3140 Coney Island Ave
Brooklyn, New York
NYSDEC BCP# C224157

PERIODIC REVIEW REPORT

December 17, 2015 through March 18, 2017



SUBMITTED TO:

NYSDEC - Region 2
1 Hunter's Point Plaza
47-40 21st Street
Long Island City, New York 11101

PREPARED FOR:

3140 Coney Island Realty, LLC
3061 Brighton 6th Street
Brooklyn, NY 11235

PREPARED BY:

P.W. Grosser Consulting , Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: (631) 589-6353
Fax: (631) 589-8705
Jennifer Lewis, Senior Project Manager
Email: JenniferL@pwgrosser.com

PWGC Project Number: CIR1601

JUNE 2017

PWGC
Strategic Environmental Engineering Solutions

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

1.1 Site Location and Description 1

2.0 O&M PLAN COMPLIANCE 1

3.0 GROUNDWATER MONITORING AND SAMPLING 2

3.1 Groundwater Monitoring 2
3.2 Groundwater Sampling 3
3.2.1 Sampling Protocol 3
3.2.2 Analytical Results 4

4.0 SOIL VAPOR EXTRATION SYSTEM MONITORING AND SAMPLING 4

4.1 Vacuum Monitoring Points 5
4.2 SVE System Inspection and Sampling 5
4.2.1 Sampling Protocol 6
4.2.2 Analytical Results 6

5.0 DATA USABILITY SUMMARY 7

6.0 ADDITIONAL ECS AND ICS 7

6.1 Composite Cover System 7
6.2 In-Situ Chemical Oxidant Injections 7
6.3 Institutional Controls 8

7.0 CONCLUSIONS 8

8.0 REFERENCES 10

FIGURES

Figure 1 Vicinity Map
Figure 2 Monitoring Well Network
Figure 3 Historic Groundwater Sample Locations

TABLES

Table 1 Monitoring Well Field Data – March 2016 through March 2017
Table 2A Groundwater Analytical Results – March 2016
Table 2B Groundwater Analytical Results – June 2016
Table 2C Groundwater Analytical Results – September 2016
Table 2D Groundwater Analytical Results – December 2016
Table 2E Groundwater Analytical Results – March 2017
Table 3 Historic Groundwater Concentrations
Table 4 SVE Analytical Results – Since System Start-Up
Table 5 Contaminant Mass Removal Calculations – Since System Start-Up

CHARTS

Chart 1 GW – TVOCs (MW-14 and MW-16 only)
Chart 2 GW – TVOCs (All other wells)
Chart 3 SVE – Influent VOCs

APPENDICES

Appendix A	Annual Site Inspection Forms
Appendix B	Laboratory Analytical Results – March 2016 through March 2017
Appendix C	Well Sampling Logs – March 2016 through March 2017
Appendix D	Monthly System Performance Logs – January 2016 through March 2017
Appendix E	AERSCREEN Evaluation
Appendix F	Data Usability Summary Report – March 2016 through March 2017

PWGC
Strategic Environmental Engineering Solutions

CERTIFICATION

For each institutional or engineering control identified for the Site, I certify that the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with Site Management Plan for this control;
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

I certify that information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Paul Boyce, of 630 Johnson Avenue, Bohemia, NY 11716, am certifying as the Owner's Designated Site Representative for the Site.

PAUL K. BOYCE, P.E.
Name

074604
PE License Number

Paul Boyce
Signature

06.30.2017
Date



1.0 INTRODUCTION

P.W. Grosser Consulting Engineer and Hydrogeologist, PC (PWGC) has prepared the following annual Periodic Review Report on behalf of the property owner, 3140 Coney Island Realty, LLC, to document the implementation of the Site Management Plan (SMP) at 3140 Coney Island Avenue in Brooklyn, New York (the Site). The Site was remediated under the oversight of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) #C224157. This report was prepared in accordance with the Site Management Plan dated November 2015 and NYSDEC DER-10 Section 6.3. This report covers Site activities from December 17, 2015 through March 18, 2017.

1.1 Site Location and Description

The Site is a 0.1-acre property located at 3140 Coney Island Avenue in Brooklyn, New York (see **Figure 1**) on the west side of Coney Island Avenue, bound by residential apartment buildings to the north and south and a single family residential house and vacant lot to the west. The Site is in the Brighton Beach section of Kings County and is identified as Block 8678 and Lot 64 on the New York City Tax Map. The Site construction has been completed, with the exception of interior partitioning for future tenants of the first floor, and the building is utilized as a six-story medical office building with limited on-site parking. The Site was most recently utilized as a drycleaner between approximately 1950 and 2007.

For a detailed description of historic environmental site activities, please refer to the Final Engineering Report dated December 2015.

2.0 O&M PLAN COMPLIANCE

In accordance with the November 2015 SMP and DER-10 Section 6.3, an annual evaluation of site conditions has been conducted. The current operation and maintenance (O&M) plan for the site consists of the following activities:

Monitoring Program	Frequency
Composite Cover System	Annual
Groundwater Monitoring and Sampling	Quarterly
Groundwater, Vapor, and ISCO Monitoring Well Repairs, Replacement, and Decommissioning	Annual
SVE System Influent and Effluent Sampling	Start-up: one the first day, once more the first week, then weekly for three weeks, then monthly the next two months. Routine: quarterly

Monitoring Program	Frequency
SVE System Operational Data	Start-up: twice the first week, then once a week for the first month. Routine: monthly
Vacuum Monitoring Wells	Start-up: once the first week, then once the third month. Routine: quarterly
SSDS Effluent Sampling	Start-up: once the first day, once the first week. Routine: quarterly

Start-up activities for the SVE system began in November 2015 and routine monitoring began in March 2016. To date, five rounds of quarterly SVE system sampling have been conducted, in addition to the system start-up sampling, as discussed in Section 4. Monthly monitoring of the SVE system operation data began in March 2016, as discussed in Section 4. Groundwater sampling continued on a quarterly basis with five rounds of sampling conducted during this reporting period, as discussed in Section 3. Quarterly reports have been submitted to the NYSDEC documenting the results of this O&M implementation.

The engineering controls (ECs) currently identified at the site include the composite cover system, the soil vapor extraction (SVE) system, the sub-slab depressurization system (which will be converted from the existing SVE system in the future), and the contingency in-situ chemical oxidant injection wells. During the March 1, 2017 site visit, PWGC personnel evaluated the above listed ECs which are discussed within their respective sections of this PRR. The site remedy continues to be protective of public health and the environment and is performing as designed in the Remedial Action Work Plan and Final Engineering Report. A copy of the annual site inspection report is included as **Appendix A**.

3.0 GROUNDWATER MONITORING AND SAMPLING

During the reporting period for this PRR, groundwater sampling activities were performed on the following dates: March 29, 2016, June 22, 2016, September 16, 2016, December 6, 2016, and March 1, 2017. All monitoring wells and manhole covers were inspected for integrity; no deficiencies were identified.

3.1 Groundwater Monitoring

Groundwater monitoring of the wells consisted of collecting and recording depth to water, depth to light non-aqueous phase liquid (LNAPL), LNAPL thickness, and total well depth measurements for nine groundwater monitoring wells, including the two shallowest wells in the multi-level well, at the Site. Water levels were collected using a Solinst Oil / Water Interface Probe or equivalent. During the PRR reporting period, MW-16 has periodically been dry or has contained a sheen of LNAPL. No other monitoring well during this period has

contained LNAPL. **Figure 2** displays the location of the monitoring wells, groundwater elevation data, and analytical results for this reporting period. Groundwater monitoring data is contained in **Table 1**.

Excluding the monitoring well in the basement (MW-15), MW-16 which has periodically contained LNAPL or has been dry, and the multi-level well, groundwater elevations generally did not differ greatly across the Site and at the two off-Site monitoring wells, making the preparation of groundwater contour maps improbable during this reporting period. Regional groundwater flow direction is towards the south. In addition, the groundwater table elevation lowered slightly during the fourth quarter 2016 and first quarter 2017, resulting in MW-16 temporarily becoming a dry well.

3.2 Groundwater Sampling

Quarterly groundwater samples were collected from each of the nine monitoring wells, including the two shallowest intervals of the multi-level monitoring well. During this reporting period, groundwater samples could not be collected periodically from MW-16 as there was not enough water in the well to sample or due to the presence of LNAPL. Groundwater analytical results were compared to the NYSDEC Class GA Groundwater Quality Standards (AWQS) as specified in the Technical Operation and Guidance Series (TOGS 1.1.1) guidance documents dated June 1998 and its addendum dated April 2000.

3.2.1 Sampling Protocol

Prior to sampling, each well was gauged with an electronic interface probe to measure the depth to LNAPL, the depth to water, and the depth to the bottom of the well. Wells that did not contain LNAPL were purged using either a decontaminated submersible pump or a check valve fitted with disposal polyethylene tubing under low flow conditions. During purging, the groundwater parameters pH, temperature, conductivity, oxygen reduction potential (ORP), turbidity, and dissolved oxygen were monitored every three minutes with a Horiba U52 water quality instrument. When measurements stabilized in accordance with the United States Environmental Protection Agency (USEPA) standard operating procedure EQASOP-GW001, purging was completed and the Horiba was disconnected. The groundwater sample was then collected directly from the tubing and placed in pre-cleaned laboratory-supplied glassware and packed in a cooler on ice and delivered to Alpha Analytical Laboratories (Alpha) of Westborough, Massachusetts under chain-of-custody seal. Copies of the groundwater sampling data sheets containing the field parameters recorded and purge volumes for each sampling point are attached in **Appendix B**.

In addition to the routine samples, MS/MSD samples and blind duplicate samples were collected during each sampling event. Each sample was analyzed for the presence of VOCs by EPA method 8260.

3.2.2 Analytical Results

Analytical results for the five sampling events during the PRR are summarized on **Tables 2A** through **2E**. The two off-Site monitoring wells MW-10 and MW-11 and the 35 to 40 foot interval of the multi-level well were non-detect or near non-detect during each of the five sampling events. The 15 to 20 foot interval of the multi-level well decreased to near non-detect concentrations for the last two sampling events. MW-12 also decreased to near non-detect concentrations during the last sampling event.

Concentrations in MW-13, MW-14, MW-15, and MW-16 have exceeded AWQS during each of the sampling events. The compounds exceeding AWQS primarily consisted of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC) with the highest total VOC (TVOC) concentrations consistently observed in MW-14 ranging between 3,460 µg/L in June 2016 and 885 µg/L in December 2016. MW-14 is located in the southwest section of the Site, which has historically contained the highest concentrations of chlorinated solvents; a sample collected in 2012 from the now destroyed MW-2, which was installed in the vicinity of MW-14, was nearly 400,000 µg/L for TVOCs. The highest concentrations of individual contaminants observed at the site are of DCE and VC which are the breakdown products of PCE and TCE. Not only are PCE and TCE breaking down, overall VOC concentrations have decreased significantly since the removal of the source material and chemical oxidant applications and concentrations are continuing on a decreasing trend. As shown on **Charts 1** and **2**, the hydrographs for each of the monitoring wells (starting with an October 2015 sampling event) clearly illustrates a downward trend of TVOC concentrations. For reference, groundwater samples collected prior to the Remedial Action and post-Remedial Action have been included on **Table 3**. Historic groundwater sample locations are illustrated on **Figure 3**.

Laboratory analytical reports for each of the sampling events during this PRR reporting period are included as **Appendix C**.

4.0 SOIL VAPOR EXTRATION SYSTEM MONITORING AND SAMPLING

The soil vapor extraction system has been operating within normal parameters during this reporting period with the exception of occasional system shutdowns related to on-site construction work. The SVE system has not experienced other unexpected shutdowns or non-routine maintenance related to its operation. Parameter readings collected during this reporting period were within range of their expected values. The carbon filtration system has been in-line and filtering the soil vapor prior to discharge to the atmosphere. The vacuum monitoring points were evaluated for integrity; points VM-11 and VM-12 are typically blocked by construction materials or register little vacuum. Replacement of these vacuum monitoring points will be evaluated.

PWGC performed routine soil vapor extraction (SVE) system performance monitoring which included the following activities:

- Quarterly collection of vacuum readings from the on-Site vacuum monitoring points.
- Visual inspections of the SVE components.
- Monthly collection of operational parameters from the SVE system, such as vacuum and temperature readings.
- Quarterly collection of an influent and an effluent vapor sample from the SVE system.

The SSDS has not been evaluated as part of this PRR as the system is still operating as a SVE system and has not yet been converted to a SSDS.

4.1 Vacuum Monitoring Points

The vacuum readings have been collected on a minimum of a quarterly basis; copies of the system performance logs during the PRR reporting period are included as **Appendix D**. Negative pressure was recorded in each monitoring point, typically at a minimum of -0.03 inches of water column, indicating that the SVE system is sufficiently creating a vacuum beneath the site. Occasionally, PWGC has adjusted the vacuum on the six SVE legs by adjusting the valve openings to maximize the vacuum readings across the site. Periodically, vacuum readings were not obtained from the vacuum monitoring points VM-10 and VM-11 due to obstructions on the well points and VM-6 due to a stuck well cap which was eventually removed and replaced. Copies of the system performance logs for this PRR reporting period are included as **Appendix D**.

4.2 SVE System Inspection and Sampling

SVE system inspections and collection of system operational parameters were conducted on a monthly basis. PWGC inspected the components of the SVE system for optimal performance, including inspecting the moisture separator and the filter. SVE system gauge readings were collected and are included on the system performance logs in **Appendix D**. As of March 1, 2017, the SVE system has operated for a total of 10,890 hours (approximately 454 days of its total 477 days since system start-up).

Quarterly sampling of the SVE system was conducted on the following dates: March 29, 2016, June 22, 2016, September 16, 2016, December 6, 2016, and March 1, 2017. Following logging of the system parameters, the influent (pre-treatment) and effluent (post-treatment) samples were collected from the SVE system.

4.2.1 Sampling Protocol

Samples were collected using laboratory cleaned 2.7-liter SUMMA vacuum canisters and were collected as grab samples. Canisters were transported under proper chain of custody procedures to Alpha for analysis by EPA method TO-15 for VOCs.

4.2.2 Analytical Results

As shown on **Table 4**, the influent samples have regularly contained detectable concentrations of Chloroform, DCE, PCE, TCE, and Freon 12. Vinyl chloride has not been detected during this reporting period. PCE concentrations ranged from a high of 5,530 µg/m^3 following system start-up on November 10, 2015 to a low of 250 µg/m^3 on June 22, 2016. As shown on **Chart 3**, influent TVOC concentrations have decreased significantly since system start-up.

The effluent samples have regularly contained compounds that were not detected in the influent stream or were detected at higher concentrations in the effluent stream than in the influent stream and are likely associated with the filter in the treatment drum. During the 3rd quarter 2016, the treatment drum was replaced due to breakthrough of TCE beginning to occur in the effluent stream.

Laboratory analytical reports for all sampling events during this PRR reporting period are included as **Appendix C**.

A total of 5.9241 pounds of TVOCs have been successfully removed from the subsurface since system start-up. Mass contaminant removal calculations are included on **Table 5.** The average flow rate for the mass contaminant removal calculation is based upon the pressure differential across the Rotron blower in accordance with Rotron's 60 Hz Blower Performance curve.

Based upon the decreasing influent VOC concentrations, PWGC evaluated the requirement of a carbon filtration system. PWGC utilized AERSCREEN air-screening software to estimate the ambient air concentration of PCE and compared the results to the NYSDEC DAR-1 Guidelines for the Evaluation and Control of Ambient Air Contaminants Under NYSDEC Part 212. Based upon the highest influent analytical data (November 10, 2015) obtained and the most recent influent analytical data (March 1, 2017), both the short-term and long-term ambient air concentrations for PCE, TCE, and DCE were well within the DAR-1 ambient air limitations; therefore, PWGC is recommending to discontinue the use of a carbon filtration system, to eliminate the influent sampling of the SVE system, and to decrease the effluent sampling of the SVE system to an annual basis. A formal letter request with the AERSCREEN calculations is included as **Appendix E**.

5.0 DATA USABILITY SUMMARY

Analytical data packages obtained from Alpha for each sampling event were sent to Laboratory Data Consultants, Inc (LDC) of Carlsbad, CA to undergo a systematic data validation to provide assurance that the data was adequate for its intended use. All data was deemed acceptable by the data validator, incorporating data qualifiers as appropriate. Validation consisted of an evaluation of the following criteria:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (CG/MS) Tunes
- Initial and counting Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantization Limits and Data Assessment
- Sample Quantization and Compound Identification

A copy of LDC's data usability summary reports during this reporting period is included as **Appendix F**. **Tables 2A** through **2E** were updated, as appropriate, based upon the data validator's review.

6.0 ADDITIONAL ECs AND ICs

6.1 Composite Cover System

The composite cover system, which consists of the concrete slab at grade and the concrete foundation for the basement, was intact with no observable cracks, holes, or patchwork in the concrete. The concrete slab covers the entirety of the site.

6.2 In-Situ Chemical Oxidant Injections

As a pre-emptive measure, well sleeves for in-situ chemical oxidant injections were installed as part of the Remedial Action. Based upon current groundwater concentrations, chemical oxidant injections were not warranted during this PRR. The sleeves however are still present and viable for installation of future chemical injections, if required.

6.3 Institutional Controls

The following institutional controls (ICs) have been adhered to during this reporting period:

- Compliance with the Environmental Easement and the SMP by the property owner;
- Engineering Controls were operated and maintained as specified in the SMP;
- Engineering Controls were inspected at a frequency and in a manner defined in the SMP;
- Groundwater and soil vapor monitoring was performed as defined in this SMP;
- Data and information pertinent to Site Management of the site was reported at the frequency and in a manner defined in the SMP;
- Site Restrictions
    - The property has been used for restricted residential or lower level uses (commercial use during this reporting period) while the long-term Engineering and Institutional Controls included in the SMP are employed.
    - The property has not been used for a higher level of use, such as unrestricted;
    - All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
    - The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
    - Vegetable gardens and farming on the property are prohibited;
    - The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the site are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

7.0 CONCLUSIONS

This Periodic Review Report documents activities performed from December 17, 2015 through March 18, 2017 in accordance with the Site Management Plan and NYSDEC DER-10 Section 6.3.

During this reporting period, groundwater samples were collected on a quarterly basis for a total of five sampling events. Analytical results revealed that the two off-site monitoring wells, MW-10 and MW-11 and three of the on-site monitoring wells, MW-12, ML Well (15-20'), and ML Well (35-40') have achieved non-detect or near non-detect concentrations of TVOCs. TVOC concentrations in MW-13, MW-14, MW-15, and MW-16 have continued to undergo significant decreases during this reporting period indicating that the removal of the source material and the chemical oxidant injections are continuing to be effective at reducing the groundwater contamination. LNAPL has been periodically identified in MW-16 and removed when present in the well.

The influent and effluent ports of the SVE system have also been sampled on a quarterly basis for a total of five sampling events. The highest concentration of TVOCs in the influent samples was observed at system start-up. TVOC concentrations have decreased significantly since then with the exception of a temporary increase that occurred when the system was sampled following a brief shut-down in August 2016 related to on-site construction activities. Effluent TVOC concentrations have largely consisted of compounds not detected in the influent stream or were detected at higher concentrations in the effluent stream than in the influent stream, indicating that these compounds were likely associated with the contents of the treatment drum.

Operational parameters have been collected on a monthly basis from the system. As of March 1, 2017, the system has been operating for 10,890 hours and during that time, a total of 5.9241 pounds of TVOCs have been successfully removed from the subsurface. PCE and TCE concentrations have continued to decrease in the SVE system influent sample. An evaluation of the influent PCE concentrations has indicated that carbon filtration for the SVE system is no longer required.

At this time, PWGC offers the following recommendations for the site:

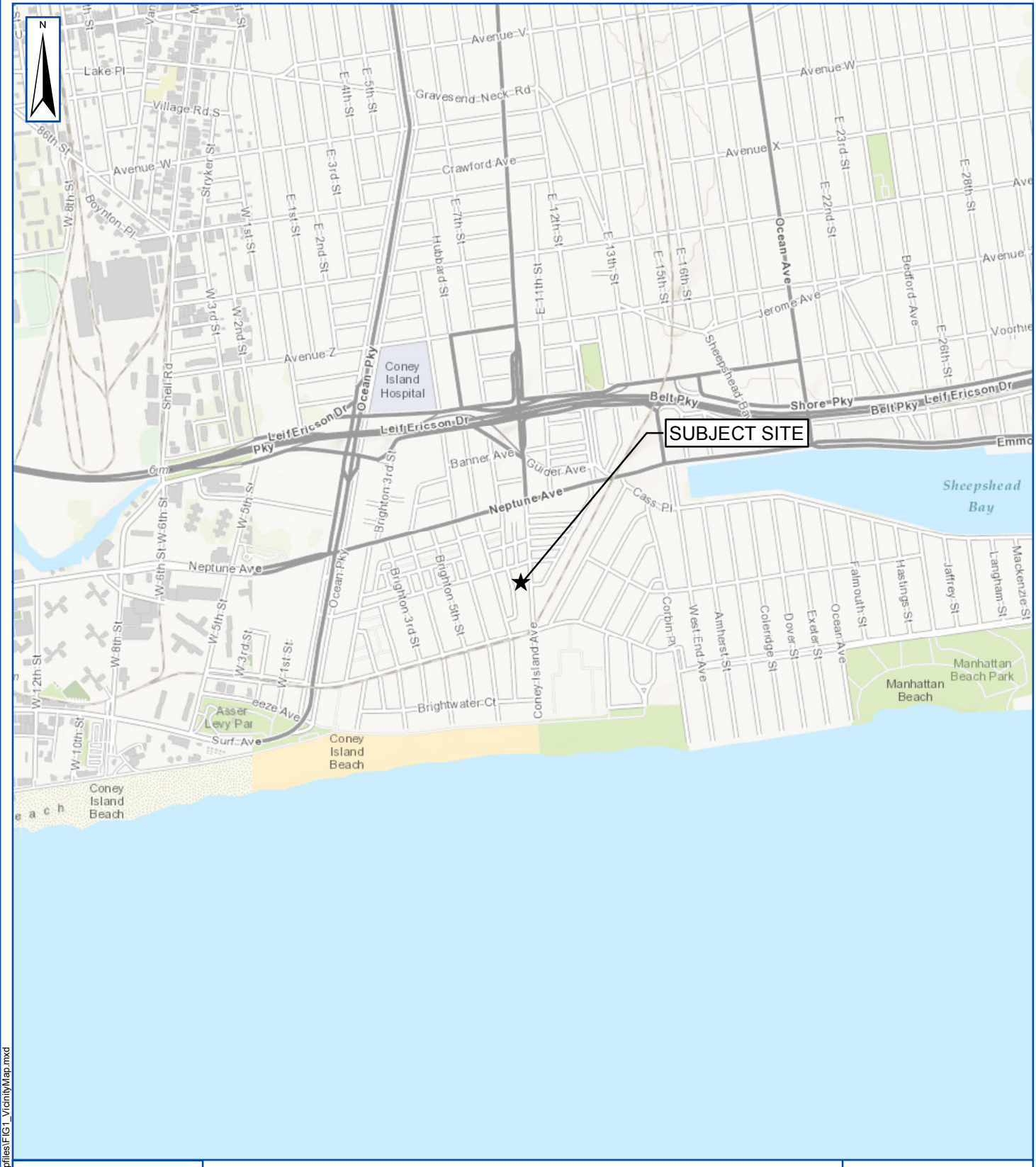
- Continue implementation of the NYSDEC approved SMP.
- Remove the carbon filtration system from the SVE system and allow for direct discharge to the atmosphere.
- Perform SVE system maintenance, as necessary, for continued, uninterrupted operation of the system.
- Continue monthly monitoring of the SVE system.
- Continue monthly monitoring of MW-16 for the presence of LNAPL.
- Continue quarterly groundwater sampling and vacuum point monitoring. The next quarterly event will occur in June 2017.

- Reduce sampling of the SVE influent and effluent sampling ports to an annual basis with the next sampling event occurring in March 2018.
- Prepare the Quarterly Status Report for the 2nd Quarter 2017 and submit it to the NYSDEC in July 2017.
- Prepare the next annual Periodic Review Report and submit it to the NYSDEC in April 2018.

8.0 REFERENCES

- NYSDEC, Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values; June 1998 and addendum April 2000.
- P.W. Grosser Consulting Engineer & Hydrogeologist, PC, Site Management Plan BCP #C224157, November 2015.
- P.W. Grosser Consulting Engineer & Hydrogeologist, PC, Final Engineering Report BCP #C224157, December 2015.

FIGURES



SUBJECT SITE VICINITY

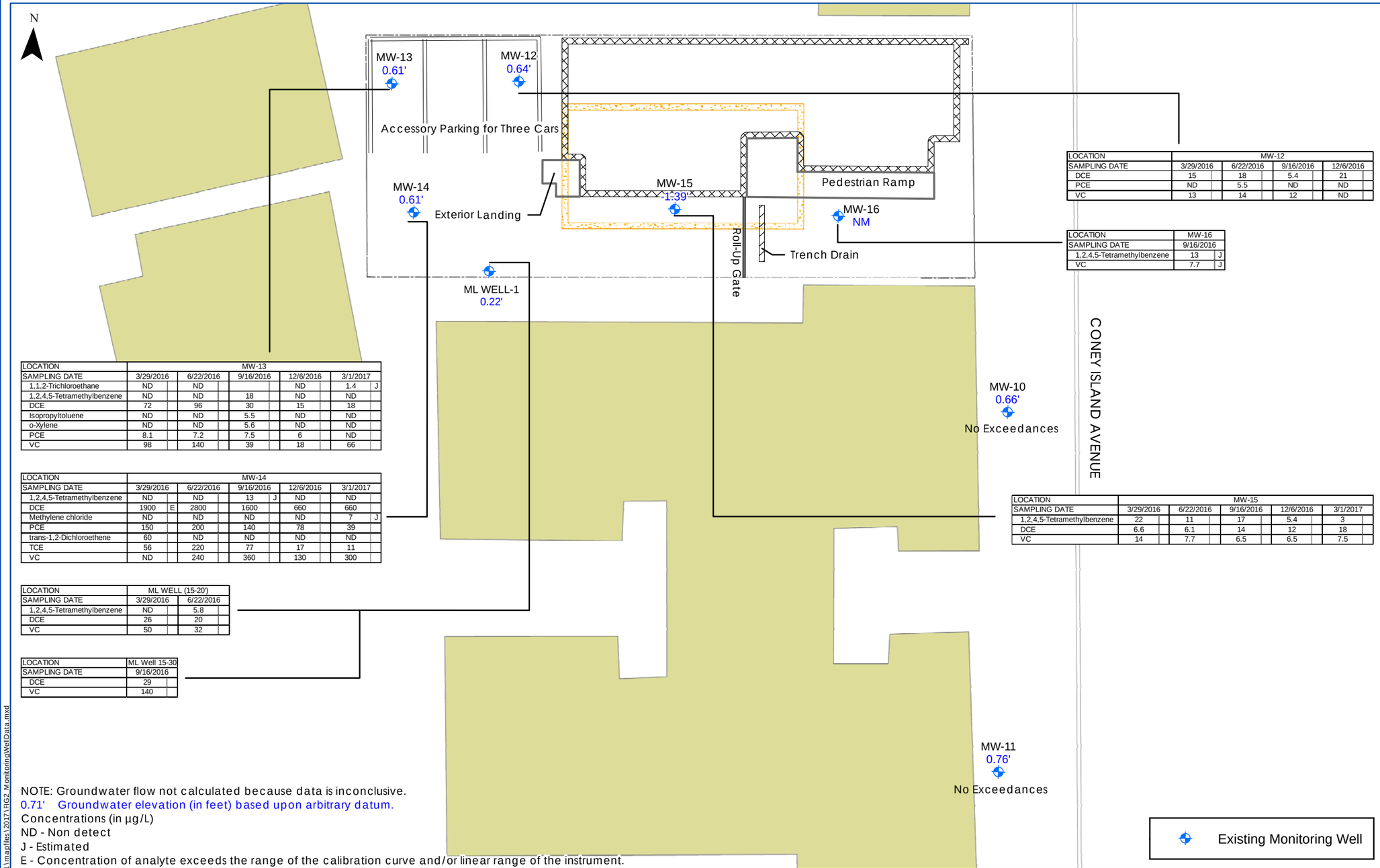
3104 Coney Island Avenue
Brooklyn, NY

0 ¼ ½ ¾ 1 Miles

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	CIR1201
Date:	4/25/2016
Designed by:	JLL
Drawn by:	JCG
Approved by:	JLL
Figure No:	1

Document Path: G:\Projects\A-D\CIR1601\mapfiles\FIG1_VicinityMap.mxd



LOCATION	MW-12									
SAMPLING DATE	3/29/2016		6/22/2016		9/16/2016		12/6/2016			
DCE	15		18		5.4		21			
PCE	ND		5.5		ND		ND			
VC	13		14		12		ND			

LOCATION	MW-16	
SAMPLING DATE	9/16/2016	
1,2,4,5-Tetramethylbenzene	13	J
VC	7.7	J

LOCATION	MW-13									
SAMPLING DATE	3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017	
1,1,2-Trichloroethane	ND		ND				ND		1.4	J
1,2,4,5-Tetramethylbenzene	ND		ND		18		ND		ND	
DCE	72		96		30		15		18	
Isopropyltoluene	ND		ND		5.5		ND		ND	
o-Xylene	ND		ND		5.6		ND		ND	
PCE	8.1		7.2		7.5		6		ND	
VC	98		140		39		18		66	

LOCATION	MW-14											
SAMPLING DATE	3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017			
1,2,4,5-Tetramethylbenzene	ND		ND		13	J	ND		ND			
DCE	1900	E	2800		1600		660		660			
Methylene chloride	ND		ND		ND		ND		7	J		
PCE	150		200		140		78		39			
trans-1,2-Dichloroethene	60		ND		ND		ND		ND			
TCE	56		220		77		17		11			
VC	ND		240		360		130		300			

LOCATION	MW-15									
SAMPLING DATE	3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017	
1,2,4,5-Tetramethylbenzene	22		11		17		5.4		3	
DCE	6.6		6.1		14		12		18	
VC	14		7.7		6.5		6.5		7.5	

LOCATION	ML WELL (15-20')		
SAMPLING DATE	3/29/2016		6/22/2016
1,2,4,5-Tetramethylbenzene	ND		5.8
DCE	26		20
VC	50		32

LOCATION	ML Well 15-30
SAMPLING DATE	9/16/2016
DCE	29
VC	140

NOTE: Groundwater flow not calculated because data is inconclusive.
0.71' Groundwater elevation (in feet) based upon arbitrary datum.
Concentrations (in µg/L)
ND - Non detect
J - Estimated
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Existing Monitoring Well

First Floor Exterior Wall
Cellar Footprint
Property Boundary
Adjacent Buildings

MONITORING WELL NETWORK

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

0 20 40 60 80 Feet

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING ENGINEER AND HYDROGEOLOGIST, P.C.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING AND RELATED DOCUMENTS IS A VIOLATION OF SEC. 7209 OF THE N.Y.S. EDUCATION LAW

DRAWING PREPARED FOR:

3140 CONEY ISLAND REALTY, LLC
3061 BRIGHTON 6TH STREET
BROOKLYN, NEW YORK 11235
&
NEW YORK STATE
DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 2
47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

REVISION	DATE	INITIAL	COMMENTS

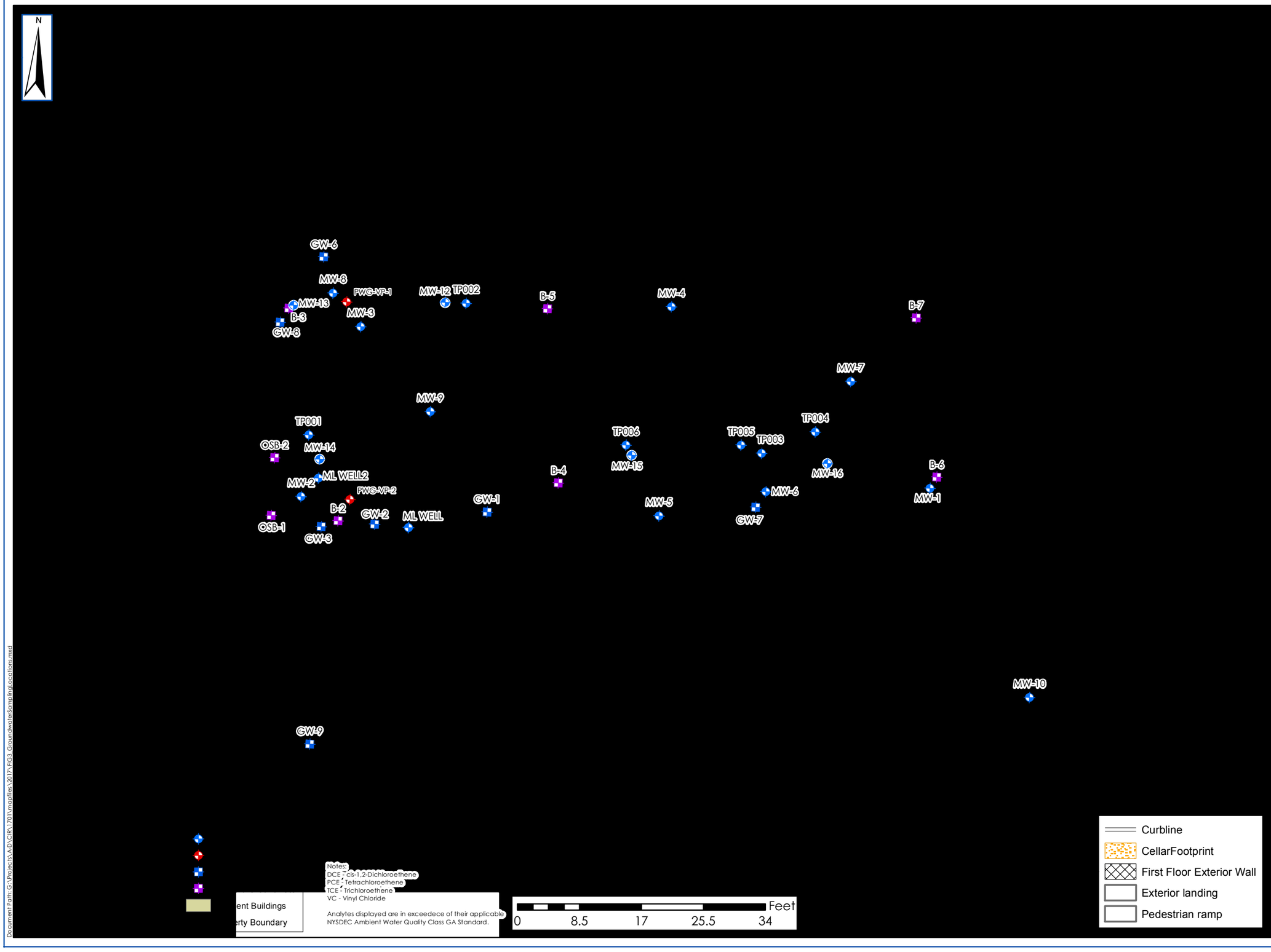
DRAWING INFORMATION:

Project:	CIR1701	Designed by:	BB
Date:	4/27/2017	Drawn by:	TS
Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

2

Document Path: G:\Projects\A-D\CIR1701\mapfiles\2017\FIG2_MonitoringWellData.mxd



Document Path: G:\Projects\A-D\CIR\1701\mapfiles\2017\RG3 GroundwaterSampleLocations.mxd

SHALLOW GROUNDWATER SAMPLE LOCATIONS

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING AND RELATED DOCUMENTS IS A VIOLATION OF SEC. 7209 OF THE N.Y.S. EDUCATION LAW

DRAWING PREPARED FOR:

3140 CONEY ISLAND REALTY, LLC
172 JAFFREY STREET
BROOKLYN, NEW YORK 11235
&
NEW YORK STATE
DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 2
47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	CIR1201	Designed by:	JLL
Date:	6/29/2017	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

3

SHEET:

TABLES

Table 1

Monitoring Well Field Data
3140 Coney Island Avenue, Brooklyn, New York

Well ID	Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Groundwater Elevation
March 29, 2016						
MW-10	9.60	14.38	NP	8.85	0.00	0.75
MW-11	9.73	15.30	NP	9.01	0.00	0.72
MW-12	9.65	NM	NP	9.19	0.00	0.46
MW-13	9.89	13.48	NP	9.18	0.00	0.71
MW-14	9.85	12.61	NP	9.16	0.00	0.69
MW-15	2.49	4.53	NP	3.88	0.00	-1.39
MW-16	10.25	10.79	9.59	9.60	0.01	0.65
ML WELL (15-20')	10.52	20.00	NP	9.30	0.00	NM
ML WELL (35-40')	NM	40.00	NP	9.35	0.00	NM
June 22, 2016						
MW-10	9.60	14.61	NP	8.83	0.00	0.77
MW-11	9.73	15.29	NP	9.00	0.00	0.73
MW-12	9.65	13.11	NP	8.92	0.00	0.73
MW-13	9.89	13.51	NP	9.20	0.00	0.69
MW-14	9.85	12.62	NP	9.16	0.00	0.69
MW-15	2.49	5.03	NP	3.80	0.00	-1.31
MW-16	10.25	11.20	9.51	INC	INC	INC
ML WELL (15-20')	10.52	20.00	NP	9.24	0.00	NM
ML WELL (35-40')	NM	40.00	NP	10.03	0.00	NM
September 16, 2016						
MW-10	9.60	14.61	NP	8.71	0.00	0.89
MW-11	9.73	15.29	NP	8.90	0.00	0.83
MW-12	9.65	13.11	NP	8.84	0.00	0.81
MW-13	9.89	13.51	NP	9.18	0.00	0.71
MW-14	9.85	12.62	NP	9.15	0.00	0.70
MW-15	2.49	5.03	NP	3.45	0.00	-0.96
MW-16	10.25	11.20	Sheen	9.55	0.01	0.70
ML WELL (15-20')	10.52	20.00	NP	9.27	0.00	NM
ML WELL (35-40')	NM	40.00	NP	10.38	0.00	NM
December 6, 2016						
MW-10	9.60	14.61	NP	8.71	0.00	0.89
MW-11	9.73	15.29	NP	8.96	0.00	0.77
MW-12	9.65	13.11	NP	9.00	0.00	0.65
MW-13	9.89	13.51	NP	9.26	0.00	0.63
MW-14	9.85	12.62	NP	9.20	0.00	0.65
MW-15	2.49	5.03	NP	3.80	0.00	-1.31
MW-16	10.25	11.20	NM	NM	NM	NM
ML WELL (15-20')	10.52	20.00	NP	10.35	0.00	0.17
ML WELL (35-40')	NM	40.00	NP	9.18	0.00	NM
March 1, 2017						
MW-10	9.60	14.61	NP	8.94	0.00	0.66
MW-11	9.73	15.29	NP	8.97	0.00	0.76
MW-12	9.65	13.11	NP	9.01	0.00	0.64
MW-13	9.89	13.51	NP	9.28	0.00	0.61
MW-14	9.85	12.62	NP	9.24	0.00	0.61
MW-15	2.49	4.63	NP	3.88	0.00	-1.39
MW-16	10.25	9.68	NM	9.68	NM	NM
ML WELL (15-20')	10.52	20.00	NP	10.30	0.00	0.22
ML WELL (35-40')	NM	40.00	NP	10.42	0.00	NM

Notes:
All measurements in feet
LNAPL - Light non-aqueous phase liquid
Reference elevation is based upon an arbitrary datum
NM - Not Measured
NP - No LNAPL
INC - Inconclusive

Table 2A

March 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-10 3/29/2016 L1609110-01	MW-11 3/29/2016 L1609110-02	MW-12 3/29/2016 L1609110-03	MW-13 3/29/2016 L1609110-04	MW-14 3/29/2016 L1609110-05	MW-15 3/29/2016 L1609110-06
Volatile Organic Compounds in µg/L							
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,1-Trichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	5	0.14 U	0.14 U	0.14 U	0.14 U	0.17 J	0.14 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1-Dichloroethene	5	0.14 U	0.14 U	0.14 U	0.14 U	1.6	0.14 U
1,1-Dichloropropene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichloropropane	0.04	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	NS	0.65 U	0.65 U	0.65 U	1.3 J	0.65 U	22
1,2,4-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	3.9	0.7 U	0.7 U
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
1,2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dichloroethane	0.6	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane	1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dioxane	NS	41 U	41 U	41 U	41 U	41 U	41 U
2,2-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
2-Butanone	50	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	50	1.5 U	1.5 U	1.5 U	1.9 J	1.5 U	1.5 U
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzene	1	0.16 U	0.16 U	0.16 U	0.51	0.16 U	0.16 U
Bromobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromochloromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromoform	50	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroform	7	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloromethane	NS	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
cis-1,2-Dichloroethene	5	0.7 U	0.7 U	15	72	1,900 E	6.6
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Dibromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Ethylbenzene	5	0.7 U	0.7 U	0.7 U	1.7 J	0.7 U	0.7 U
Hexachlorobutadiene	0.5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Isopropylbenzene	5	0.7 U	0.7 U	0.7 U	1.8 J	0.7 U	0.81 J
Methyl tert butyl ether	10	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Methylene chloride	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
n-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.87 J
n-Propylbenzene	5	0.7 U	0.7 U	0.7 U	0.76 J	0.7 U	0.7 U
Naphthalene	10	0.7 U	0.7 U	0.7 U	0.82 J	0.7 U	0.7 U
o-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
o-Xylene	5	0.7 U	0.7 U	0.7 U	3.7	0.7 U	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	2.8	0.7 U	0.7 U
4-Ethyltoluene	NS	0.7 U	0.7 U	0.7 U	1.1 J	0.7 U	0.7 U
p-Isopropyltoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p/m-Xylene	5	0.7 U	0.7 U	0.7 U	1.2 J	0.7 U	0.7 U
sec-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.99 J	0.7 U	1.3 J
Styrene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
tert-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.95 J
Tetrachloroethene	5	0.47 J	0.18 U	0.37 J	8.1	150	0.78
Toluene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	5	0.7 U	0.7 U	0.7 U	2.3 J	60	2.4 J
trans-1,3-Dichloropropene	0.4	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,4-Dichloro-2-butene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Trichloroethene	5	0.46 J	0.18 U	0.64	2.2	56	0.67
Trichlorofluoromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Vinyl acetate	NS	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	0.6 J	0.07 U	13	98	0.07 U	14
Total VOCs:		1.53	0	29.01	205.08	2167.77	50.38

Notes:
(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
NS - No Standard
NA - Not Available
DUPE001 is a blind duplicate of sample MW-13
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2A

March 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-16 3/29/2016 NA	ML (15-20') 3/29/2016 L1609110-07	ML (35-40') 3/29/2016 L1609110-09	DUPE001 3/29/2016 L1609110-10	Field Blank 3/29/2016 L1609110-11	Trip Blank 3/29/2016 L1609110-05
Volatile Organic Compounds in µg/L							
1,1,1,2-Tetrachloroethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,1-Trichloroethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	5	NA	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,1,2-Trichloroethane	1	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1-Dichloroethene	5	NA	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,1-Dichloropropene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichlorobenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichloropropane	0.04	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	NS	NA	1.6 J	0.65 U	1.5 J	0.65 U	0.65 U
1,2,4-Trichlorobenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4-Trimethylbenzene	5	NA	0.7 U	0.7 U	3.2	0.7 U	0.7 U
1,2-Dibromo-3-chloropropane	0.04	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dibromoethane	0.0006	NA	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
1,2-Dichlorobenzene	3	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dichloroethane	0.6	NA	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane	1	NA	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trimethylbenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichlorobenzene	3	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichloropropane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dichlorobenzene	3	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dioxane	NS	NA	41 U	41 U	41 U	41 U	41 U
2,2-Dichloropropane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
2-Butanone	50	NA	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	NA	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	NS	NA	1 U	1 U	1 U	1 U	1 U
Acetone	50	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acrylonitrile	5	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzene	1	NA	0.16 U	0.16 U	0.46 J	0.16 U	0.16 U
Bromobenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromochloromethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromodichloromethane	50	NA	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromoform	50	NA	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Bromomethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Carbon disulfide	60	NA	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	NA	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroform	7	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloromethane	NS	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
cis-1,2-Dichloroethene	5	NA	26	0.74 J	58	0.7 U	0.7 U
cis-1,3-Dichloropropene	0.4	NA	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Dibromochloromethane	50	NA	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Dibromomethane	5	NA	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	NA	1 U	1 U	1 U	1 U	1 U
Ethyl ether	NS	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Ethylbenzene	5	NA	0.7 U	0.7 U	1.6 J	0.7 U	0.7 U
Hexachlorobutadiene	0.5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Isopropylbenzene	5	NA	0.7 U	0.7 U	1.8 J	0.7 U	0.7 U
Methyl tert butyl ether	10	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Methylene chloride	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
n-Butylbenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
n-Propylbenzene	5	NA	0.7 U	0.7 U	0.77 J	0.7 U	0.7 U
Naphthalene	10	NA	0.87 J	0.7 U	0.7 U	0.7 U	0.7 U
o-Chlorotoluene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
o-Xylene	5	NA	0.7 U	0.7 U	3.2	0.7 U	0.7 U
p-Chlorotoluene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Diethylbenzene	NS	NA	5	0.7 U	3.5	0.7 U	0.7 U
4-Ethyltoluene	NS	NA	0.7 U	0.7 U	1.1 J	0.7 U	0.7 U
p-Isopropyltoluene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p/m-Xylene	5	NA	0.7 U	0.7 U	1 J	0.7 U	0.7 U
sec-Butylbenzene	5	NA	0.7 U	0.7 U	1 J	0.7 U	0.7 U
Styrene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
tert-Butylbenzene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Tetrachloroethene	5	NA	1.2	2.3	9.3	0.18 U	0.18 U
Toluene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	5	NA	1.3 J	0.7 U	2.1 J	0.7 U	0.7 U
trans-1,3-Dichloropropene	0.4	NA	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,4-Dichloro-2-butene	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Trichloroethene	5	NA	0.56	0.21 J	2.1	0.18 U	0.18 U
Trichlorofluoromethane	5	NA	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Vinyl acetate	NS	NA	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	NA	50	0.07 U	74	0.07 U	0.07 U
Total VOCs:		NA	86.53	3.25	164.63	0	0

Notes:
(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/19
NS - No Standard
NA - Not Available
DUPE001 is a blind duplicate of sample MW-13
J - Data indicates the presence of a compound that meets the identifica
U - The analyte was analyzed for, but was not detected above the report
E - Concentration of analyte exceeds the range of the calibration curve a
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2B

June 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-10 6/22/2016 L1619370-01	MW-11 6/22/2016 L1619370-02	MW-12 6/22/2016 L1619370-03	MW-13 6/22/2016 L1619370-04	MW-14 6/22/2016 L1619370-05	MW-15 6/22/2016 L1619370-06	MW-16 6/22/2016 NA
Volatile Organic Compounds in µg/L								
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	75 U	1.5 U	NA
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	1.7 J	100 U	11	NA
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	1.3 J	120 U	2.5 U	NA
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	100 U	2 U	NA
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
1,2-Dichloroethene, Total	NS	2.5 U	2.5 U	18	99	2,800	7.8 J	NA
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	50 U	1 U	NA
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,3-Dichloropropene, Total	NS	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
1,4-Dioxane	NS	250 U	250 U	250 U	250 U	12,000 U	250 U	NA
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
2-Butanone	50	5 U	5 U	5 U	5 U	250 U	5 U	NA
2-Hexanone	50	5 U	5 U	5 U	5 U	250 U	5 U	NA
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	250 U	5 U	NA
Acetone	50	5 U	5 U	5 U	5 U	250 U	5 U	NA
Acrylonitrile	5	5 U	5 U	5 U	5 U	250 U	5 U	NA
Benzene	1	0.5 U	0.5 U	0.5 U	0.78	25 U	0.5 U	NA
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
Bromoform	50	2 U	2 U	2 U	2 U	100 U	2 U	NA
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Carbon disulfide	60	5 U	5 U	5 U	5 U	250 U	5 U	NA
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Chloromethane	NS	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	18	96	2,800	6.1	NA
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
Dibromomethane	5	5 U	5 U	5 U	5 U	250 U	5 U	NA
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	250 U	5 U	NA
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	1.6 J	120 U	2.5 U	NA
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	1.2 J	120 U	2.5 U	NA
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Naphthalene	10	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
o-Xylene	5	2.5 U	2.5 U	2.5 U	4.4	120 U	2.5 U	NA
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
p-Diethylbenzene	NS	2 U	2 U	2 U	2 U	100 U	2 U	NA
p-Ethyltoluene	NS	2 U	2 U	2 U	2 U	100 U	2 U	NA
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	1 J	120 U	2.5 U	NA
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Tetrachloroethene	5	0.59	0.42 J	5.5	7.2	200	1.2	NA
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	3.2	120 U	1.7 J	NA
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	NA
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Trichloroethene	5	0.19 J	0.5 U	1.6	3.1	220	1.6	NA
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	120 U	2.5 U	NA
Vinyl acetate	NS	5 U	5 U	5 U	5 U	250 U	5 U	NA
Vinyl chloride	2	0.3 J	1 U	14	140	240	7.7	NA
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	5.4 J	120 U	2.5 U	NA
Total VOCs		1.08	0.42	39.1	261.48	3460	29.3	NA

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
NS - No Standard
NA - Not Available
DUPE001 is a blind duplicate of sample MW-13
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2B

June 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	ML (15-20') 6/22/2016 L1619370-07		ML (35-40') 6/22/2016 L1619370-08		DUPE001 6/22/2016 L1619370-09		Field Blank 6/22/2016 L1619370-10		Trip Blank 6/22/2016 L1619370-11	
Volatile Organic Compounds in µg/L											
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	5.8		2	U	1.7	J	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	1.3	J	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	NS	21	J	2.5	U	99		2.5	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	NS	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	NS	250	UJ	250	U	250	U	250	U	250	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	UJ	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	5	UJ	5	U	5	U	5	U	5	U
Acetone	50	68	J	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.8		0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NS	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	20		2.5	U	96		2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	UJ	5	U	5	U	5	U	5	U
Ethyl ether	NS	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U	1.6	J	2.5	U	2.5	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U	1.3	J	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	2.5	U	2.5	U	4.4		2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NS	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	NS	2	U	2	U	2	U	2	U	2	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	1	J	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	0.49	J	0.28	J	7		0.5	U	0.5	U
Toluene	5	2.5	U	2.5	U	0.7	J	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	1.4	J	2.5	U	3.3		2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	0.43	J	0.33	J	3		0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	32	J	0.12	J	140		0.08	J	1	U
Xylenes, Total	NS	2.5	U	2.5	U	5.4	J	2.5	U	2.5	U
Total VOCs		128.12		0.73		262.1		0.08		0	

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1

NS - No Standard

NA - Not Available

DUPE001 is a blind duplicate of sample MW-13

J - Data indicates the presence of a compound that meets the identific

U - The analyte was analyzed for, but was not detected above the repor

E - Concentration of analyte exceeds the range of the calibration curve

Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2C

September 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-10 9/16/2016 L1629516-01		MW-11 9/16/2016 L1629516-02		MW-12 9/16/2016 L1629516-03		MW-13 9/16/2016 L1629516-04		MW-14 9/16/2016 L1629516-05		MW-15 9/16/2016 L1629516-06	
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,1,1-Trichloroethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,1,2,2-Tetrachloroethane	5	0.17	U	0.17	U	0.17	U	0.33	U	3.3	UJ	0.42	U
1,1,2-Trichloroethane	1	0.5	U	0.5	U	0.5	U	1	U	10	UJ	1.2	U
1,1-Dichloroethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,1-Dichloroethene	5	0.17	U	0.17	U	0.17	U	0.34	U	4.9	J	0.42	U
1,1-Dichloropropene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,2,3-Trichlorobenzene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,2,3-Trichloropropane	0.04	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,2,4,5-Tetramethylbenzene	5	1	J	0.54	U	0.71	J	18		13	J	17	
1,2,4-Trichlorobenzene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,2,4-Trimethylbenzene	5	0.7	U	0.7	U	0.7	U	2.4	J	14	UJ	1.8	U
1,2-Dibromo-3-chloropropane	0.04	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,2-Dibromoethane	0.0006	0.65	U	0.65	U	0.65	U	1.3	U	13	UJ	1.6	U
1,2-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,2-Dichloroethane	0.6	0.13	U	0.13	U	0.13	U	0.26	U	2.6	UJ	0.33	U
1,2-Dichloroethene, Total	NS	0.7	U	0.7	U	5.4		33	J	1,600	UJ	16	J
1,2-Dichloropropane	1	0.14	U	0.14	U	0.14	U	0.27	U	2.7	UJ	0.34	U
1,3,5-Trimethylbenzene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,3-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,3-Dichloropropane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,3-Dichloropropene, Total	NS	0.14	U	0.14	U	0.14	U	0.29	U	2.9	U	0.36	U
1,4-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
1,4-Dioxane	NS	61	U	61	U	61	U	120	U	1,200	UJ	150	U
2,2-Dichloropropane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
2-Butanone	50	1.9	U	1.9	U	1.9	U	3.9	U	39	UJ	4.8	U
2-Hexanone	50	1	U	1	U	1	U	2	U	20	UJ	2.5	U
4-Methyl-2-pentanone	NS	1	U	1	U	1	U	2	U	20	UJ	2.5	U
Acetone	50	1.5	U	1.5	U	1.5	U	2.9	U	29	UJ	5.8	J
Acrylonitrile	5	1.5	U	1.5	U	1.5	U	3	U	30	UJ	3.8	U
Benzene	1	0.16	U	0.16	U	0.16	J	0.7	J	3.2	UJ	0.4	U
Bromobenzene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Bromochloromethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Bromodichloromethane	50	0.19	U	0.19	U	0.19	U	0.38	U	3.8	UJ	0.48	U
Bromoform	50	0.65	U	0.65	U	0.65	U	1.3	U	13	UJ	1.6	U
Bromomethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Carbon disulfide	60	1	U	1	U	1	U	2	U	20	UJ	2.5	U
Carbon tetrachloride	5	0.13	U	0.13	U	0.13	U	0.27	U	2.7	UJ	0.34	U
Chlorobenzene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Chloroethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	U	1.8	U
Chloroform	7	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Chloromethane	NS	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
cis-1,2-Dichloroethene	5	0.7	U	0.7	U	5.4		30		1,600	J	14	
cis-1,3-Dichloropropene	0.4	0.14	U	0.14	U	0.14	U	0.29	U	2.9	UJ	0.36	U
Dibromochloromethane	50	0.15	U	0.15	U	0.15	U	0.3	U	3	UJ	0.37	U
Dibromomethane	5	1	U	1	U	1	U	2	U	20	UJ	2.5	U
Dichlorodifluoromethane	5	1	U	1	U	1	U	2	U	20	UJ	2.5	U
Ethyl ether	NS	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Ethylbenzene	5	0.7	U	0.7	U	0.7	U	4.3	J	14	UJ	1.8	U
Hexachlorobutadiene	0.5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Isopropylbenzene	5	0.7	U	0.7	U	0.7	U	5.5		14	UJ	1.8	U
Methyl tert butyl ether	10	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Methylene chloride	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
n-Butylbenzene	5	0.7	U	0.7	U	0.7	U	3.7	J	14	UJ	1.8	U
n-Propylbenzene	5	0.7	U	0.7	U	0.7	U	2.7	J	14	UJ	1.8	U
Naphthalene	10	0.7	U	0.7	U	0.96	J	2.7	J	14	UJ	1.8	U
o-Chlorotoluene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
o-Xylene	5	0.7	U	0.7	U	0.7	U	5.6		14	UJ	1.8	U
p-Chlorotoluene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
p-Diethylbenzene	NS	0.7	U	0.7	U	0.7	U	4.6		14	UJ	1.8	U
p-Ethyltoluene	NS	0.7	U	0.7	U	0.7	U	3.8	J	14	UJ	1.8	U
p-Isopropyltoluene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
p/m-Xylene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
sec-Butylbenzene	5	0.7	U	0.7	U	0.7	U	3.9	J	14	UJ	1.8	U
Styrene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
tert-Butylbenzene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Tetrachloroethene	5	0.18	U	0.18	U	0.41	J	7.5		140	J	1.6	
Toluene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
trans-1,2-Dichloroethene	5	0.7	U	0.7	U	0.7	U	2.6	J	14	UJ	2.1	J
trans-1,3-Dichloropropene	0.4	0.16	U	0.16	U	0.16	U	0.33	U	3.3	UJ	0.41	U
trans-1,4-Dichloro-2-butene	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Trichloroethene	5	0.18	U	0.18	U	0.47	J	3		77	J	2.8	
Trichlorofluoromethane	5	0.7	U	0.7	U	0.7	U	1.4	U	14	UJ	1.8	U
Vinyl acetate	NS	1	U	1	U	1	U	2	U	20	UJ	2.5	U
Vinyl chloride	2	0.17	J	0.07	U	12		39		360	J	6.5	
Xylenes, Total	NS	0.7	U	0.7	U	0.7	U	5.6		14	U	1.8	U
Total VOCs		1.17		0		20.11		140		2194.9		49.8	

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
NS - No Standard
NA - Not Available
DUPE001 is a blind duplicate of sample ML(15-20')
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2C

September 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-16 9/16/2016 L1629516-12		ML (15-20') 9/16/2016 L1629516-07		ML (35-40') 9/16/2016 L1629516-08		DUPE-A 9/16/2016 L1629516-09		Field Blank 9/16/2016 L1629516-10		Trip Blank 9/16/2016 L1629516-11	
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,1-Trichloroethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,2,2-Tetrachloroethane	5	1.7	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
1,1,2-Trichloroethane	1	5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethene	5	1.7	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
1,1-Dichloropropene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichlorobenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichloropropane	0.04	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4,5-Tetramethylbenzene	5	13	J	4.4		0.66	J	4.2		0.54	U	0.54	U
1,2,4-Trichlorobenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trimethylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromoethane	0.0006	6.5	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
1,2-Dichlorobenzene	3	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethane	0.6	1.3	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
1,2-Dichloroethene, Total	NS	7	U	31	J	0.7	U	27	J	0.7	U	0.7	U
1,2-Dichloropropane	1	1.4	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
1,3,5-Trimethylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichlorobenzene	3	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichloropropane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichloropropene, Total	NS	1.4	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
1,4-Dichlorobenzene	3	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dioxane	NS	610	U	61	U	61	U	61	U	61	U	61	U
2,2-Dichloropropane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
2-Butanone	50	19	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
2-Hexanone	50	10	U	1	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	NS	10	U	1	U	1	U	1	U	1	U	1	U
Acetone	50	15	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Acrylonitrile	5	15	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Benzene	1	1.6	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bromobenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromochloromethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromodichloromethane	50	1.9	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Bromoform	50	6.5	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Bromomethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Carbon disulfide	60	10	U	1	U	1	U	1.2	J	1	U	1	U
Carbon tetrachloride	5	1.3	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Chlorobenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroform	7	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloromethane	NS	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
cis-1,2-Dichloroethene	5	7	U	29		0.7	U	25		0.7	U	0.7	U
cis-1,3-Dichloropropene	0.4	1.4	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Dibromochloromethane	50	1.5	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Dibromomethane	5	10	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	10	U	1	U	1	U	1	U	1	U	1	U
Ethyl ether	NS	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Ethylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Hexachlorobutadiene	0.5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Isopropylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Methyl tert butyl ether	10	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Methylene chloride	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Butylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Propylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Naphthalene	10	7	U	1.5	J	1	J	0.7	U	0.7	U	0.7	U
o-Chlorotoluene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Xylene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Chlorotoluene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Diethylbenzene	NS	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Ethyltoluene	NS	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Isopropyltoluene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
p/m-Xylene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
sec-Butylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Styrene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
tert-Butylbenzene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Tetrachloroethene	5	1.8	U	0.3	J	0.18	J	0.18	U	0.18	U	0.18	U
Toluene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,2-Dichloroethene	5	7	U	2.1	J	0.7	U	2.3	J	0.7	U	0.7	U
trans-1,3-Dichloropropene	0.4	1.6	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
trans-1,4-Dichloro-2-butene	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Trichloroethene	5	1.8	U	0.32	J	0.25	J	0.42	J	0.18	U	0.18	U
Trichlorofluoromethane	5	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Vinyl acetate	NS	10	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	7.7	J	140		1.2		180		0.07	U	0.07	U
Xylenes, Total	NS	7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Total VOCs		20.7		177.62		3.29		213.12		0		0	

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/19

NS - No Standard

NA - Not Available

DUPE001 is a blind duplicate of sample ML(15-20')

J - Data indicates the presence of a compound that meets the identifica

U - The analyte was analyzed for, but was not detected above the report

E - Concentration of analyte exceeds the range of the calibration curve a

Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2D

December 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-10 L1639729-02 12/6/2016		MW-11 L1639729-09 12/6/2016		MW-12 L1639729-03 12/6/2016		MW-13 L1639729-04 12/6/2016		MW-14 L1639729-05 12/6/2016	
Volatile Organic Compounds in µg/L											
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,1,2,2-Tetrachloroethane	5	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	5	UJ
1,1,2-Trichloroethane	1	1.5	UJ	1.5	UJ	1.5	UJ	1.5	UJ	15	UJ
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,3-Trichlorobenzene	5	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	4.4		20	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2-Dibromo-3-chloropropane	0.04	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	20	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,2-Dichloroethene, Total	NS	2.5	U	2.5	U	21		17	J	660	
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	10	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,3-Dichloropropene, Total	NS	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,4-Dioxane	NS	250	UJ	250	UJ	250	UJ	250	UJ	2,500	UJ
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
2-Butanone	50	5	U	5	U	5	U	5	U	50	U
2-Hexanone	50	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
4-Methyl-2-pentanone	NS	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
Acetone	50	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
Acrylonitrile	5	5	U	5	U	5	U	5	U	50	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.76		5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Bromoform	50	2	U	2	U	2	U	2	U	20	U
Bromomethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	50	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Chloroform	7	2.5	U	2.5	U	1.7	J	2.5	U	25	U
Chloromethane	NS	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	21		15		660	
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	50	U
Dichlorodifluoromethane	5	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
Ethyl ether	NS	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	1.9	J	25	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	1.5	J	25	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Naphthalene	10	1.3	J	2.5	UJ	2.5	UJ	1.7	J	25	UJ
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.2	J	25	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
p-Diethylbenzene	NS	2	U	2	U	2	U	1.2	J	20	U
p-Ethyltoluene	NS	2	U	2	U	2	U	2	U	20	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	1.1	J	25	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Tetrachloroethene	5	0.5	U	0.39	J	2.1		6		78	
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	1.7	J	25	U
trans-1,3-Dichloropropene	0.4	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	5	UJ
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Trichloroethene	5	0.59		0.5	U	1.6		2.9		17	
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	50	U
Vinyl chloride	2	0.48	J	1	U	1.6		18		130	
Xylenes, Total	NS	2.5	U	2.5	U	2.5	U	2.2	J	25	U
Total VOCs		2.37		0.39		28		58.36		885	

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
NS - No Standard
NA - Not Available
DUPE is a blind duplicate of sample MW-10
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than M
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sam
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2D

December 2016
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-15 L1639729-08 12/6/2016		MW-16 12/6/2016	ML (15-20') L1639729-06 12/6/2016		ML (35-40') L1639729-07 12/6/2016		DUPE L1639729-01 12/6/2016	
Volatile Organic Compounds in µg/L										
1,1,1,2-Tetrachloroethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	1	UJ	NA	0.5	UJ	0.5	UJ	0.5	UJ
1,1,2-Trichloroethane	1	3	UJ	NA	1.5	UJ	1.5	UJ	1.5	UJ
1,1-Dichloroethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	1	U	NA	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	5	UJ	NA	2.5	UJ	2.5	UJ	2.5	UJ
1,2,3-Trichloropropane	0.04	5	U	NA	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	5.4		NA	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	5	UJ	NA	2.5	UJ	2.5	UJ	2.5	UJ
1,2-Dibromoethane	0.0006	4	U	NA	2	U	2	U	2	U
1,2-Dichlorobenzene	3	5	U	NA	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	1	U	NA	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	NS	14	J	NA	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	2	U	NA	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	5	U	NA	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	5	U	NA	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	NS	1	U	NA	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	5	U	NA	2.5	U	2.5	U	2.5	U
1,4-Dioxane	NS	500	UJ	NA	250	UJ	250	UJ	250	UJ
2,2-Dichloropropane	5	5	U	NA	2.5	U	2.5	U	2.5	U
2-Butanone	50	10	U	NA	5	U	5	U	5	U
2-Hexanone	50	10	UJ	NA	5	UJ	5	UJ	5	UJ
4-Methyl-2-pentanone	NS	10	UJ	NA	5	UJ	5	UJ	5	UJ
Acetone	50	4.8	J	NA	5	UJ	5	UJ	5	UJ
Acrylonitrile	5	10	U	NA	5	U	5	U	5	U
Benzene	1	1	U	NA	0.5	U	0.5	U	0.5	U
Bromobenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	1	U	NA	0.5	U	0.5	U	0.5	U
Bromoform	50	4	U	NA	2	U	2	U	2	U
Bromomethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	5.2	J	NA	5	U	5	U	5	U
Carbon tetrachloride	5	1	U	NA	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Chloroethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
Chloroform	7	5	U	NA	2.5	U	2.5	U	2.5	U
Chloromethane	NS	5	UJ	NA	2.5	UJ	2.5	UJ	2.5	UJ
cis-1,2-Dichloroethene	5	12		NA	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	1	U	NA	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	1	U	NA	0.5	U	0.5	U	0.5	U
Dibromomethane	5	10	U	NA	5	U	5	U	5	U
Dichlorodifluoromethane	5	10	UJ	NA	5	UJ	5	UJ	5	UJ
Ethyl ether	NS	5	UJ	NA	2.5	UJ	2.5	UJ	2.5	UJ
Ethylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	5	U	NA	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	5	U	NA	2.5	U	2.5	U	2.5	U
Methylene chloride	5	5	U	NA	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Naphthalene	10	5.7	J	NA	2.5	UJ	2.5	UJ	1.4	J
o-Chlorotoluene	5	5	U	NA	2.5	U	2.5	U	2.5	U
o-Xylene	5	5	U	NA	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	5	U	NA	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NS	4	U	NA	2	U	2	U	2	U
p-Ethyltoluene	NS	4	U	NA	2	U	2	U	2	U
p-Isopropyltoluene	5	5	U	NA	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	5	U	NA	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Styrene	5	5	U	NA	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	0.76	J	NA	0.5	U	0.5	U	0.5	U
Toluene	5	5	U	NA	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	1.5	J	NA	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	1	UJ	NA	0.5	UJ	0.5	UJ	0.5	UJ
trans-1,4-Dichloro-2-butene	5	5	U	NA	2.5	U	2.5	U	2.5	U
Trichloroethene	5	2		NA	0.22	J	0.5	U	0.56	
Trichlorofluoromethane	5	5	U	NA	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	10	U	NA	5	U	5	U	5	U
Vinyl chloride	2	6.5		NA	1	U	1	U	0.47	J
Xylenes, Total	NS	5	U	NA	2.5	U	2.5	U	2.5	U
Total VOCs		43.86		NA	0.22		0		2.43	

(1) NYSDEC Ambient Water Quality Standards and Guidance V

NS - No Standard

NA - Not Available

DUPE is a blind duplicate of sample MW-10

J - Data indicates the presence of a compound that meets thMDL.

U - The analyte was analyzed for, but was not detected abovple quantitation limit.

E - Concentration of analyte exceeds the range of the calibra

Highlighted values indicate exceedance of the NYSDEC AWQ

Table 2E

March 2017
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-10 L1706520-02 3/1/2017		MW-11 L1706520-01 3/1/2017		MW-12 L1706520-03 3/1/2017		MW-13 L1706520-04 3/1/2017		MW-14 L1706520-05 3/1/2017	
Volatile Organic Compounds in µg/L											
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.4	J	15	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	UJ	2	U	2.2	J	20	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2-Dibromo-3-chloropropane	0.04	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	20	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,2-Dichloroethene, Total	NS	2.5	U	2.5	U	1.1	J	20	J	660	
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	10	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,3-Dichloropropene, Total	NS	0.5	U	0.5	U	0.5	U	0.5	U	5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	25	U
1,4-Dioxane	NS	250	UJ	250	UJ	250	UJ	250	UJ	2,500	UJ
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
2-Butanone	50	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
2-Hexanone	50	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
4-Methyl-2-pentanone	NS	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
Acetone	50	5	U	5	U	5	U	5	U	50	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	50	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.96		5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Bromoform	50	2	U	2	U	2	U	2	U	20	U
Bromomethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Carbon disulfide	60	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Chloroethane	5	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Chloromethane	NS	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	1.1	J	18		660	
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	50	U
Dichlorodifluoromethane	5	5	UJ	5	UJ	5	UJ	5	UJ	50	UJ
Ethyl ether	NS	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2	J	25	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	1.2	J	25	U
Methyl tert butyl ether	10	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	25	UJ
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	7	J
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	U	25	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
o-Xylene	5	2.5	U	2.5	U	2.5	U	1.4	J	25	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
p-Diethylbenzene	NS	2	U	2	U	2	U	2	U	20	U
p-Ethyltoluene	NS	2	U	2	U	2	U	2	U	20	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Tetrachloroethene	5	0.5	U	0.5	U	2.3		3.5		39	
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2	J	25	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Trichloroethene	5	0.39	J	0.5	U	0.57		2.4		11	
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	25	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	50	U
Vinyl chloride	2	0.78	J	1	UJ	1.8	J	66	J	300	J
Xylenes, Total	NS	2.5	U	2.5	U	2.5	U	1.4	J	25	U
Total VOCs		1.17		0		5.77		101.06		1,017	

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
NS - No Standard
NA - Not Available
DUPE is a blind duplicate of sample MW-14
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than M
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sam
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 2E

March 2017
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-15 L1706520-08 3/1/2017		MW-16 - 3/1/2017	ML (15-20') L1706520-06 3/1/2017		ML (35-40') L1706520-07 3/1/2017		DUPE L1639729-01 3/1/2017	
Volatile Organic Compounds in µg/L										
1,1,1,2-Tetrachloroethane	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,1,1-Trichloroethane	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,1,2,2-Tetrachloroethane	5	0.5	U	NA	0.5	U	0.5	U	5	U
1,1,2-Trichloroethane	1	1.5	U	NA	1.5	U	1.5	U	15	U
1,1-Dichloroethane	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,1-Dichloroethene	5	0.5	U	NA	0.5	U	0.5	U	1.8	J
1,1-Dichloropropene	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,2,3-Trichlorobenzene	5	2.5	U	NA	2.5	U	2.5	UJ	25	U
1,2,3-Trichloropropane	0.04	2.5	U	NA	2.5	U	2.5	U	25	U
1,2,4,5-Tetramethylbenzene	5	3	J	NA	2	U	2	U	20	U
1,2,4-Trichlorobenzene	5	2.5	U	NA	2.5	U	2.5	UJ	25	U
1,2,4-Trimethylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,2-Dibromo-3-chloropropane	0.04	2.5	UJ	NA	2.5	UJ	2.5	UJ	25	UJ
1,2-Dibromoethane	0.0006	2	U	NA	2	U	2	U	20	U
1,2-Dichlorobenzene	3	2.5	U	NA	2.5	U	2.5	U	25	U
1,2-Dichloroethane	0.6	0.5	U	NA	0.5	U	0.5	U	5	U
1,2-Dichloroethene, Total	NS	20	J	NA	2.5	U	2.5	U	900	
1,2-Dichloropropane	1	1	U	NA	1	U	1	U	10	U
1,3,5-Trimethylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,3-Dichlorobenzene	3	2.5	U	NA	2.5	U	2.5	U	25	U
1,3-Dichloropropane	5	2.5	U	NA	2.5	U	2.5	U	25	U
1,3-Dichloropropene, Total	NS	0.5	U	NA	0.5	U	0.5	U	5	U
1,4-Dichlorobenzene	3	2.5	U	NA	2.5	U	2.5	U	25	U
1,4-Dioxane	NS	250	UJ	NA	250	UJ	250	UJ	2,500	UJ
2,2-Dichloropropane	5	2.5	U	NA	2.5	U	2.5	U	25	U
2-Butanone	50	5	UJ	NA	5	UJ	5	UJ	50	UJ
2-Hexanone	50	5	UJ	NA	5	UJ	5	UJ	50	UJ
4-Methyl-2-pentanone	NS	5	UJ	NA	5	UJ	5	UJ	50	UJ
Acetone	50	3.3	J	NA	5	U	5	U	50	U
Acrylonitrile	5	5	U	NA	5	U	5	U	50	U
Benzene	1	0.5	U	NA	0.5	U	0.5	U	5	U
Bromobenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Bromochloromethane	5	2.5	U	NA	2.5	U	2.5	U	25	U
Bromodichloromethane	50	0.5	U	NA	0.5	U	0.5	U	5	U
Bromoform	50	2	U	NA	2	U	2	U	20	U
Bromomethane	5	2.5	U	NA	2.5	U	2.5	U	25	U
Carbon disulfide	60	5	UJ	NA	5	UJ	5	UJ	50	UJ
Carbon tetrachloride	5	0.5	U	NA	0.5	U	0.5	U	5	U
Chlorobenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Chloroethane	5	2.5	UJ	NA	2.5	UJ	2.5	UJ	25	UJ
Chloroform	7	2.5	U	NA	2.5	U	2.5	U	25	U
Chloromethane	NS	2.5	UJ	NA	2.5	UJ	2.5	UJ	25	UJ
cis-1,2-Dichloroethene	5	18	J	NA	2.5	U	2.5	U	900	
cis-1,3-Dichloropropene	0.4	0.5	U	NA	0.5	U	0.5	U	5	U
Dibromochloromethane	50	0.5	U	NA	0.5	U	0.5	U	5	U
Dibromomethane	5	5	U	NA	5	U	5	U	50	U
Dichlorodifluoromethane	5	5	UJ	NA	5	UJ	5	UJ	50	UJ
Ethyl ether	NS	2.5	U	NA	2.5	U	2.5	U	25	U
Ethylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Hexachlorobutadiene	0.5	2.5	U	NA	2.5	U	2.5	U	25	U
Isopropylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Methyl tert butyl ether	10	2.5	UJ	NA	2.5	UJ	2.5	UJ	25	UJ
Methylene chloride	5	2.5	U	NA	2.5	U	2.5	U	25	U
n-Butylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
n-Propylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Naphthalene	10	2.5	U	NA	2.5	U	2.5	UJ	25	U
o-Chlorotoluene	5	2.5	U	NA	2.5	U	2.5	U	25	U
o-Xylene	5	2.5	U	NA	2.5	U	2.5	U	25	U
p-Chlorotoluene	5	2.5	U	NA	2.5	U	2.5	U	25	U
p-Diethylbenzene	NS	2	U	NA	2	U	2	U	20	U
p-Ethyltoluene	NS	2	U	NA	2	U	2	U	20	U
p-Isopropyltoluene	5	2.5	U	NA	2.5	U	2.5	U	25	U
p/m-Xylene	5	2.5	U	NA	2.5	U	2.5	U	25	U
sec-Butylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Styrene	5	2.5	U	NA	2.5	U	2.5	U	25	U
tert-Butylbenzene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Tetrachloroethene	5	0.96	J	NA	0.5	U	0.26	J	38	
Toluene	5	2.5	U	NA	2.5	U	2.5	U	25	U
trans-1,2-Dichloroethene	5	2.2	J	NA	2.5	U	2.5	U	25	U
trans-1,3-Dichloropropene	0.4	0.5	U	NA	0.5	U	0.5	U	5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	NA	2.5	U	2.5	U	25	U
Trichloroethene	5	3.5	J	NA	0.21	J	0.29	J	11	
Trichlorofluoromethane	5	2.5	U	NA	2.5	U	2.5	U	25	U
Vinyl acetate	NS	5	U	NA	5	U	5	U	50	U
Vinyl chloride	2	7.5	J	NA	0.23	J	1	U	390	J
Xylenes, Total	NS	2.5	U	NA	2.5	U	2.5	U	25	U
Total VOCs		38.46		NA	0.44		0.55		1,341	

(1) NYSDEC Ambient Water Quality Standards and Guidance V
NS - No Standard
NA - Not Available
DUPE is a blind duplicate of sample MW-14
J - Data indicates the presence of a compound that meets th MDL.
U - The analyte was analyzed for, but was not detected above ple quantitation limit.
E - Concentration of analyte exceeds the range of the calibra
Highlighted values indicate exceedance of the NYSDEC AWQ

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC[1]	B-2	B-3	B-4	B-5	B-6	B-7	GW-1			
Depth:	Ambient Water	9-13'	9-13'	9-13'	9-13'	9-13'	9-13'	10-14'	21-25'	33-37'	48-52'
Sampling Date:	Quality Standards	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	1/13/2010	1/13/2010	1/13/2010	1/13/2010
Laboratory ID:		-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L											
1,1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	1	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,1-Dichloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,1-Dichloroethene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND
1,1-Dichloropropene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	NA	NA	NA	NA	NA	NA	700	0.96 J	ND	ND
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	16	63	36	25 U	5 U	5 U	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2-Dibromoethane	0.0006	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2-Dichloroethane	0.6	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,2-Dichloropropane	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	6	21	9	25 U	5 U	5 U	ND	ND	ND	ND
1,3-Dichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,3-Dichloropropane	3	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,4-Dichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
1,4-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	80	ND	ND	ND
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	5 U	NA U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
2-Butanone	5	10 U	10 U	10 U	50 U	10 U	10 U	NA	NA	NA	NA
2-Hexanone	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
4-Ethyltoluene	50	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Acetone	50	50 U	50 U	50 U	250 U	50 U	50 U	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	1.9	6.37	1.03	3.5 U	0.7 U	0.7 U	ND	ND	ND	ND
Bromobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Bromochloromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Bromodichloromethane	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Bromoform	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Bromomethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Carbon disulfide	60	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Carbon tetrachloride	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Chlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Chloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Chloroform	7	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Chloromethane	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	12,800	670	114	568	33	17	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Dibromochloromethane	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Dibromomethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Dichlorodifluoromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	5	15	5 U	25 U	5 U	5 U	16 J	ND	ND	ND
Hexachlorobutadiene	0.5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Isopropylbenzene	5	5 U	11	5 U	25 U	5 U	5 U	11 J	ND	ND	ND
Methyl tert butyl ether	10	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	0.72 J
Methylene chloride	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
n-Butylbenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	24	ND	ND	ND
n-Propylbenzene	5	5 U	16	5 U	25 U	5 U	5 U	25	ND	ND	ND
Naphthalene	10	6	36	21	25 U	5 U	5 U	21	ND	ND	ND
o-Chlorotoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
o-Xylene	5	5 U	7	5 U	25 U	5 U	5 U	ND	ND	ND	ND
p-Chlorotoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND
p/m-Xylene	5	10 U	29	10 U	50 U	10 U	10 U	ND	ND	ND	ND
sec-Butylbenzene	5	5 U	6	5 U	25 U	5 U	5 U	23	ND	ND	ND
Styrene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
tert-Butylbenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Tetrachloroethene	5	22	105	8	25 U	31	14	20	1.3	1.2	1.7
Toluene	5	5 U	8	5 U	25 U	5 U	5 U	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	25 U	5 U	5 U	16 J	ND	ND	ND
trans-1,3-Dichloropropene	0.4	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	1,700	20	5 U	25 U	7	5 U	ND	ND	ND	ND
Trichlorofluoromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Vinyl acetate	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA
Vinyl chloride	2	2,080	382	46	63	18	5 U	ND	ND	0.65 J	ND
Total VOCs	NS	16,637	1,395	235	631	89	31	936	2	2	2

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument

Highlighted values indicate exceedance of the NYSDEC AWQS

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	GW-2				GW-3				GW-4			
Depth:	Ambient Water	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'
Sampling Date:	Quality Standards	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010
Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5	1.9	ND	ND	ND	1.6	3.8	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	43	1.2	ND	2.8	7.3	1.6	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	65	0.54 J	ND	ND	2	ND	ND	0.61 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	27	ND	ND	ND	0.99 J	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Diethylbenzene	NS	29	0.6 J	ND	ND	3.8	0.66 J	ND	0.68 J	ND	ND	ND	ND
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	50	14	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	0.98 J	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	470	1.3	0.68 J	ND	940	1,200	2.8	4.2	ND	ND	ND	1.6
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	5.7	ND	ND	ND	0.75 J	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND	11	11	21	350
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	5.8	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	13	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	2.2 C	ND	ND	ND	0.67 J	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	17	ND	ND	ND	0.67 J	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	7.6	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	20,000	86	53	18	72	220 C	8.3	35	1.9	1.4	1.4	2.7
Toluene	5	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	11	ND	ND	ND	5.2	8.8	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	1,600	4.4	2.2	ND	120	330	0.77 J	1.4	ND	ND	ND	ND
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	160	ND	ND	ND	290	280	ND	ND	ND	ND	ND	ND
Total VOCs	NS	22,485	94	56	21	1,452	2,045	12	42	13	12	22	354

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	GW-5				GW-6				GW-7			
Depth:	Ambient Water	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'
Sampling Date:	Quality Standards	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010
Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	9.3	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	ND	ND	ND	ND	16	3.8	ND	0.97 J	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	10	0.66 J	ND	0.68 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Diethylbenzene	NS	ND	ND	ND	ND	8.8	1.5	ND	0.6 J	ND	ND	ND	ND
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	50	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	5.1	260	2.4	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	ND	ND	ND	ND	0.74 J	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	ND	ND	ND	0.91 J	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	70	ND	ND	ND	ND	ND	ND	0.83 J
o-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ND	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	1.2	0.85 J	ND	ND	ND	ND	ND	ND
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	0.91 J	ND	ND	19	11	5.8	14	0.84 JC	ND	0.84 JC	0.92 J
Toluene	5	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	1.7	2.1	ND	0.59 J	ND	ND	ND	ND
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	ND	ND	ND	ND	3.7	350	8.5	ND	ND	ND	ND	ND
Total VOCs	NS	26	1	0	0	149	639	17	19	1	0	1	2

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidan

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meet

U - The analyte was analyzed for, but was not detected ab

E - Concentration of analyte exceeds the range of the cali

Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	GW-8				GW-9				GW-10			
Depth:	Ambient Water	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'
Sampling Date:	Quality Standards	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010
Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	29	1.1	ND	0.74 J	8.8	ND	ND	ND	3.4	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	42	ND	ND	ND	9.1	ND	0.6 J	ND	1.6	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	17	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Diethylbenzene	NS	23	ND	ND	ND	1.2	ND	ND	ND	0.56 J	ND	ND	ND
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	50	7.7	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	160	1.9	2	2	3.8	ND	0.68 J	ND	2	ND	ND	ND
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	1.8	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	2.7	ND	ND	ND	0.75 J	ND	ND	ND	0.94 J	ND	ND	ND
n-Propylbenzene	5	4.4	ND	ND	ND	0.9 J	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	9.3	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	6.4	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	2.8	ND	ND	ND	0.9 J	ND	ND	ND	ND	ND	ND	ND
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	7.5	0.88 J	0.63 JC	1.3	2.9	0.64 J	1.3	0.97 J	ND	ND	ND	ND
Toluene	5	0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	4.3	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	9.2	ND	ND	ND	2.3	ND	ND	ND	3.2	ND	ND	ND
Total VOCs	NS	339	4	3	4	39	1	3	1	12	1	0	0

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	GW-11				OSB-1				OSB-2			
Depth:	Ambient Water	10-14'	21-25'	33-37'	48-52'	10-12'	23-25'	35-37'	50-52'	10-12'	23-25'	35-37'	50-52'
Sampling Date:	Quality Standards	1/15/2010	1/15/2010	1/15/2010	1/15/2010	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011
Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	1.1	ND	ND	ND	4.6	0.25 J	0.4 J	1.1 J	ND	2.3 J	2.2 J	2.5
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	1.4 J	0.37 J	0.63 J	.2 J	ND	1.6 J	ND	6.8
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	0.92 J	ND	0.89 J	ND	2.8
1,3-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Diethylbenzene	NS	ND	ND	ND	ND	22	ND	0.15 J	0.44 J	ND	1 J	2 J	0.91 J
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J
4-Methyl-2-pentanone	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	3.2	5.2	1	0.99	27,000	72	300	65
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	0.62 J	1.1	ND	ND	ND	ND	0.57 J
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	0.58
n-Propylbenzene	5	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	0.61
Naphthalene	10	0.8 J	ND	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	0.96 J
o-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	1.3 C	ND	1	0.8	ND	ND	ND	6.5	7.7	14
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	ND	0.66	1.4	2.4	ND	1.1	ND	ND
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	ND	ND	ND	ND	15	5.5	ND	ND	8,300	24	10	ND
Total VOCs	NS	2	0	2	0	67	13	5	8	35,300	109	322	96

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	PWG-VP-01																					
Depth:	Ambient Water Quality Standards	10-12'		20-22'		30-32'		40-42'		50-52'		60-62'		70-72'		80-82'		90-92'		100-102'	
Sampling Date:		7/10/2012		7/10/2012		7/10/2012		7/10/2012		7/10/2012		7/10/2012		7/10/2012		7/10/2012		7/10/2012		7/10/2012	
Laboratory ID:		L1212340-14		L1212340-15		L1212340-16		L1212340-17		L1212340-18		L1212340-19		L1212340-20		L1212340-21		L1212340-22		L1212340-23	
Volatile Organic Compounds in µg/L																					
1,1,1,2-Tetrachloroethane	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	6	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	NS	4.5	J	0.12	J	0.32	J	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	0.11	J	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	8	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	2	U	0.5	U	0.62		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	NS	4	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	1	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	3	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	0.97	J	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dioxane	3	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
2,2-Dichloropropane	NS	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	5	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Ethyltoluene	50	0.47	J	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone	NS	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	20	U	1.3	J	1.92	J	2.03	J	5	U	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	1.8	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	8	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	10	U	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J
Carbon disulfide	60	1.81	J	0.52	J	0.36	J	0.42	J	0.41	J	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	10	U	2.5	U	1.9	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NS	10	U	2.5	J	2.5	J	2.5	J	2.5	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	1,100		0.7	J	6.6		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.11	J	0.19	J
cis-1,3-Dichloropropene	0.4	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl ether	NS	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	0.17	J	0.1	J	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	10	U	2.5	U	2.5	U	0.81	J	0.47	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	10	U	0.35	J	2.5	U	2.5	U	2.5	U	1	J	0.31	J	0.19	J	2.5	U	2.5	U
o-Chlorotoluene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	1.11	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
p-Ethyltoluene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
p-Isopropyltoluene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	0.12	J	0.16	J	0.13	J	0.11	J	0.1	J
sec-Butylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	4.4		0.55		0.5	U	0.5	U	0.5	U	0.56		0.17	J	0.12	J	0.8		1.3	
Toluene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.14	J	0.14	J	0.16	J	0.19	J
trans-1,2-Dichloroethene	5	4.8	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	1.3	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	10	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	580		1.5		300		0.52	J	1	U	1	U	1	U	1	U	1	U	1	U
Total VOCs	NS	1,701		10		317		9		6		4		3		3		4		4	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	PWG-VP-02																			
Depth:	Ambient Water	10-12'		20-22'		30-32'		40-42'		50-52'		60-62'		70-72'		80-82'		90-92'		100-102'	
Sampling Date:	Quality Standards	7/6/2012		7/9/2012		7/9/2012		7/9/2012		7/9/2012		7/9/2012		7/9/2012		7/9/2012		7/9/2012		7/9/2012	
Laboratory ID:		L1212340-01		L1212340-04		L1212340-06		L1212340-07		L1212340-08		L1212340-09		L1212340-10		L1212340-11		L1212340-12		L1212340-13	
Volatile Organic Compounds in µg/L																					
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	3	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2,4,5-Tetramethylbenzene	NS	2.5		2	U	0.15	J	2	U	2	U	0.12	J	0.19	J	0.33	J	0.17	J	1.15	J
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2,4-Trimethylbenzene	5	0.8	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	4	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
1,2-Dichloropropane	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	2	U
1,3,5-Trimethylbenzene	1	0.73	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,3-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,3-Dichloropropane	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,4-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
1,4-Diethylbenzene	NS	0.84	J	2	U	0.26	J	2	U	2	U	0.12	J	2	U	0.31	J	0.18	J	1.26	J
1,4-Dioxane	3	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
2,2-Dichloropropane	NS	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
2-Butanone	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
4-Ethyltoluene	50	0.39	J	2	U	0.12	J	2	U	2	U	2	U	2	U	2	U	2	U	4	U
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Acetone	50	5	U	5	U	1.59	J	5	U	5	U	5	U	5	U	1.55	J	1.89	J	10	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	4	U
Bromomethane	5	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	5	J
Carbon disulfide	60	0.87	J	0.38	J	0.35	J	5	U	0.3	J	5	U	5	U	5	U	5	U	10	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Chloromethane	NS	2.5	U	2.5	U	2.5	J	2.5	U	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	5	U
cis-1,2-Dichloroethene	5	74	J	2.5	U	2.6		2.5	U	0.34	J	0.42	J	0.45	J	1.4	J	0.99	J	7.7	
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Ethyl ether	NS	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Ethylbenzene	5	0.34	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	1.8	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.92	J
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Naphthalene	10	2.5	U	2.5	U	0.47	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
o-Xylene	5	0.52	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
p-Diethylbenzene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
p-Ethyltoluene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
p/m-Xylene	5	0.53	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
sec-Butylbenzene	5	0.31		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Tetrachloroethene	5	84		0.53		100		16	J	36	J	21		15		62	J	41		230	
Toluene	5	0.34	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
trans-1,2-Dichloroethene	5	8.1	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	2.5	J	5	J
Trichloroethene	5	6.2		0.5	U	8.7		0.92		1.6		1.1		1		3.1		2.4		15	
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	10	U
Vinyl chloride	2	610		0.42	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U	2	U
Total VOCs	NS	793		4		122		24		46		30		24		76		54		266	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC[1]	TP-001	TP-002	TP-003	TP-004	TP-005	TP-006	MLWell2					
Depth:	Ambient Water							15-20'	35-40'	55-60'	75-80'	95-100'	115-120'
Sampling Date:	Quality Standards	L1423615-04	L1423615-05	L1424055-01	L1424055-02	L1510117-01	L1510117-02	9/30/2013	9/30/2013	9/30/2013	9/30/2013	9/30/2013	9/30/2013
Laboratory ID:		10/7/2014	10/9/2014	10/9/2014	10/9/2014	5/11/2015	5/11/2015	L1319520-12	L1319520-13	L1319520-14	L1319520-15	L1319520-16	L1319520-17
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	3 U	2.5 U
1,1,1-Trichloroethane	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	7 U	0.36 U	0.14 U	36 U	0.14 U	0.14 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	25 U	1.2 U	0.5 U	120 U	0.5 U	0.5 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	7 U	0.44 J	0.64	47 J	0.15 J	0.14 U	5 U	2.1	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	NS	32 U	1.6 U	2.4	160 U	0.65 U	12	20 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5
1,2-Dibromo-3-chloropropane	0.04	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	32 U	1.6 U	0.65 U	160 U	0.65 U	0.65 U	20 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	7 U	0.33 U	0.13 U	33 U	0.79	0.13 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	NS	7 U	0.33 U	0.13 U	33 U	0.13 U	0.13 U	10 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	1	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	3	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	20 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	5	97 U	4.8 U	1.9 U	480 U	1.9 U	1.9 U	50 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	50	NA	NA	NA	NA	NA	NA	20 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	73 U	3.6 U	2.6 J	360 U	4.6 J	2.8 J	50 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	75 U	3.8 U	1.5 U	380 U	1.5 U	1.5 U	50 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	8 U	0.4 U	0.71	40 U	0.38 J	0.16 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	10 U	0.48 U	0.19 U	48 U	0.19 U	0.19 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	32 U	1.6 U	0.65 U	160 U	0.65 U	0.65 U	20 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	50 U	2.5 U	1 U	250 U	6.1	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	7 U	0.34 U	0.13 U	34 U	0.13 U	0.13 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	35 U	1.8 U	1.4 J	180 U	0.87 J	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	3,900	140	140	16,000	71	37	820	73	2.5 U	2.1 J	15	6
cis-1,3-Dichloropropene	0.4	7 U	0.36 U	0.14 U	36 U	0.14 U	0.14 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	7 U	0.37 U	0.15 U	37 U	0.15 U	0.15 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Ethyl ether	NS	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	2.8	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	35 U	1.8 U	0.7 U	180 U	1.2 J	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	35 U	1.8 U	29	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	35 U	1.8 U	0.96 J	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	35 U	1.8 U	0.82 J	180 U	0.7 U	1.2 J	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	35 U	1.8 U	1.3 J	180 U	0.7 U	0.94 J	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	9 U	36	0.29 J	73 J	12	4.5	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	16 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	35 U	1.8 U	0.7 U	180 U	1.5 J	1.6 J	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	8 U	0.41 U	0.16 U	41 U	0.16 U	0.16 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	0.7 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	3	0.5 U	0.5 U	0.18 U	0.18 U	0.47 J	5 U	0.5 U	0.5 U	0.5 U	0.32 J	0.25 J
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	0.7 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	1 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	140	0.08 J	1 U	0.17 J	0.07 U	12	420	52	1 U	0.77 J	1.4	1 U
Total VOCs	NS	4,043	177	180	16,120	99	75	1,256	127	0	3	17	9

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC[1] Ambient Water Quality Standards	MW-1	MW-2	MW-3	MW-4		MW-5		MW-6	MW-7		MW-8	MW-9
Depth:													
Sampling Date:		7/19/2012	7/19/2012	7/19/2012	7/19/2012	9/30/2013	7/19/2012	9/30/2013	7/19/2012	7/19/2012	9/30/2013	9/30/2013	9/30/2013
Laboratory ID:		L1212940-01	L1212940-02	L1212940-03	L1212940-04	L1319520-01	L1212940-05	L1319520-02	L1212940-06	L1212940-07	L1319520-03	L1319520-04	L1319520-05
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	75 U	1,500 U	30 U	3.8 U	6 U	1.5 U	1.5 U	1.5 U	150 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	0.97 J	2.5 U	2.5 U
1,1-Dichloroethene	5	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	NS	100 U	2,000 U	40 U	5 U	8 U	8.3	2	2.8	200 U	2 U	2 U	12
1,2,4-Trichlorobenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	120 U	1,400 J	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	100 U	2,000 U	40 U	5 U	8 U	2 U	2 U	2 U	200 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	NS	50 U	1,000 U	20 U	2.5 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	1	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	3	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	100 U	2,000 U	40 U	5 U	8 U	1.3 J	2 U	2 U	200 U	2 U	2 U	1.5 J
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
2-Butanone	5	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
2-Hexanone	50	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
4-Ethyltoluene	50	100 U	2,000 U	40 U	5 U	8 U	2 U	2 U	2 U	200 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
Acetone	50	250 U	5,000 U	100 U	12 U	20 U	5 U	3.3 J	2.1	500 U	5 U	5 U	5 U
Acrylonitrile	5	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
Benzene	1	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.34	50 U	0.5 U	0.5 U	0.56
Bromobenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
Bromoform	50	100 U	2,000 U	40 U	5 U	8 U	2 U	2 U	2 U	200 U	2 U	2 U	2 U
Bromomethane	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
Carbon tetrachloride	5	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Chloroform	7	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2,700	25,000	870	74	210	23	20	3.9	5,200	67	1.8 J	100
cis-1,3-Dichloropropene	0.4	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	250 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
Ethyl ether	NS	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	0.79	250 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	0.8 J	2.5 U
Methyl tert butyl ether	10	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	120 U	2,500 U	50 U	2.3 J	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	0.71 J
Naphthalene	10	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	7.3
o-Chlorotoluene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	0.75 J
Styrene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	700	340,000 E	410	120	54	3.8	7	1.9	1,400	54	0.5 U	20
Toluene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	120 U	2,500 U	50 U	6.2 U	10 U	2.5 U	2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	25 U	500 U	10 U	1.2 U	2 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	0.7 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	0.56	0.19 J	0.5 U	1.6	5	3.1	6.4	220	1.6	17	0.5 U	0.5 U
Trichlorofluoromethane	5	0.7 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	1 U	5 U	5 U	5 U	20 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	50	0.3 J	1 U	14	31	140	5.2	240	7.7	16	14	58
Total VOCs	NS	3,451	366,400	1,280	212	300	180	44	472	6,609	155	16	202

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		MW-10										MW-11									
Depth:	NYSDEC[1] Ambient Water Quality Standards																				
Sampling Date:		L1423615-02		L1524907-01		3/29/2016		9/16/2016		L1639729-02		L1706520-02		L1423615-03		L1524907-02		3/29/2016		9/16/2016	
Laboratory ID:		10/7/2014		10/2/2015		L1609110-01		L1629516-01		12/6/2016		3/1/2017		10/9/2014		10/2/2015		L1609110-02		L1629516-02	
Volatile Organic Compounds in µg/L																					
1,1,1,2-Tetrachloroethane	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,1-Trichloroethane	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1,2,2-Tetrachloroethane	5	0.1	U	0.14	U	0.14	U	0.17	U	0.5	UJ	0.5	U	0.14	U	0.14	U	0.14	U	0.17	U
1,1,2-Trichloroethane	1	0.5	U	0.5	U	0.5	U	0.5	U	1.5	UJ	1.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,1-Dichloroethene	5	0.1	U	0.14	U	0.14	U	0.17	U	0.5	U	0.5	U	0.14	U	0.14	U	0.14	U	0.17	U
1,1-Dichloropropene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichlorobenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	UJ	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,3-Trichloropropane	0.04	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4,5-Tetramethylbenzene	NS	0.7	U	0.65	U	0.65	U	1	J	2	U	2	U	0.65	U	0.65	U	0.65	U	0.54	U
1,2,4-Trichlorobenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2,4-Trimethylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	0.7	U	0.7	U	0.7	U	0.7	U	2.5	UJ	2.5	UJ	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dibromoethane	0.0006	0.7	U	0.65	U	0.65	U	0.65	U	2	U	2	U	0.65	U	0.65	U	0.65	U	0.65	U
1,2-Dichlorobenzene	3	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,2-Dichloroethane	0.6	0.1	U	0.13	U	0.13	U	0.13	U	0.5	U	0.5	U	0.13	U	0.13	U	0.13	U	0.13	U
1,2-Dichloropropane	NS	0.1	U	0.13	U	0.13	U	0.14	U	1	U	1	U	0.13	U	0.13	U	0.13	U	0.14	U
1,3,5-Trimethylbenzene	1	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichlorobenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,3-Dichloropropane	3	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Dichlorobenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
1,4-Diethylbenzene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dioxane	3	NA		NA		41	U	61	U	250	UJ	250	UJ	NA		NA		41	U	61	U
2,2-Dichloropropane	NS	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
2-Butanone	5	1.9	U	1.9	U	1.9	U	1.9	U	5	U	5	UJ	1.9	U	1.9	U	1.9	U	1.9	U
2-Hexanone	50	1.0	U	1	U	1	U	1	U	5	UJ	5	UJ	1	U	1	U	1	U	1	U
4-Ethyltoluene	50	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
4-Methyl-2-pentanone	NS	1.0	U	1	U	1	U	1	U	5	UJ	5	UJ	1	U	1	U	1	U	1	U
Acetone	50	1.5	U	1.5	U	1.5	U	1.5	U	5	UJ	5	U	1.5	U	1.5	U	1.5	U	1.5	U
Acrylonitrile	5	1.5	U	1.5	U	1.5	U	1.5	U	5	U	5	U	1.5	U	1.5	U	1.5	U	1.5	U
Benzene	1	0.2	U	0.16	U	0.16	U	0.16	U	0.5	U	0.5	U	0.16	U	0.16	U	0.16	U	0.16	U
Bromobenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromochloromethane	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Bromodichloromethane	50	0.2	U	0.19	U	0.19	U	0.19	U	0.5	U	0.5	U	0.19	U	0.19	U	0.19	U	0.19	U
Bromoform	50	0.7	U	0.65	U	0.65	U	0.65	U	2	U	2	U	0.65	U	0.65	U	0.65	U	0.65	U
Bromomethane	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Carbon disulfide	60	1.0	U	1	U	1	U	1	U	5	U	5	UJ	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	0.1	U	0.13	U	0.13	U	0.13	U	0.5	U	0.5	U	0.13	U	0.13	U	0.13	U	0.13	U
Chlorobenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloroethane	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	UJ	0.7	U	0.7	U	0.7	U	0.7	U
Chloroform	7	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Chloromethane	NS	0.7	U	0.7	U	0.7	U	0.7	U	2.5	UJ	2.5	UJ	0.7	U	0.7	U	0.7	U	0.7	U
cis-1,2-Dichloroethene	5	0.7	U	1	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	1	U	0.7	U	0.7	U
cis-1,3-Dichloropropene	0.4	0.1	U	0.14	U	0.14	U	0.14	U	0.5	U	0.5	U	0.14	U	0.14	U	0.14	U	0.14	U
Dibromochloromethane	50	0.2	U	0.15	U	0.15	U	0.15	U	0.5	U	0.5	U	0.15	U	0.15	U	0.15	U	0.15	U
Dibromomethane	5	1.0	U	1	U	1	U	1	U	5	U	5	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	1.0	U	1	U	1	U	1	U	5	UJ	5	UJ	1	U	1	U	1	U	1	U
Ethyl ether	NS	0.7	U	0.7	U	0.7	U	0.7	U	2.5	UJ	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Ethylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Hexachlorobutadiene	0.5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Isopropylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Methyl tert butyl ether	10	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	UJ	0.7	U	0.7	U	0.7	U	0.7	U
Methylene chloride	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Butylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
n-Propylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Naphthalene	10	0.7	U	0.7	U	0.7	U	0.7	U	1.3	J	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Chlorotoluene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
o-Xylene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Chlorotoluene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Diethylbenzene	NS	0.7	U	0.7	U	0.7	U	0.7	U	2	U	2	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Ethyltoluene	NS	0.7	U	0.7	U	0.7	U	0.7	U	2	U	2	U	0.7	U	0.7	U	0.7	U	0.7	U
p-Isopropyltoluene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
p/m-Xylene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
sec-Butylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Styrene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
tert-Butylbenzene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
Tetrachloroethene	5	0.2	U	0.18	U	0.47	J	0.18	U	0.5	U	0.5	U	0.18	U	0.18	U	0.18	U	0.18	U
Toluene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,2-Dichloroethene	5	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	0.7	U
trans-1,3-Dichloropropene	0.4	0.2	U	0.16	U	0.16	U	0.16	U	0.5	UJ	0.5	U	0.16	U	0.16	U	0.16	U	0.16	U
trans-1,4-Dichloro-2-butene	5	2.5	UJ	14	UJ	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	1.8	U	0.7	U	0.7	U
Trichloroethene	5	0.43	J	77	J	0.46	J	0.18	U	0.59		0.39	J	0.33	J	2.8		0.18	U	0.18	U
Trichlorofluoromethane	5	2.5	U	14	UJ	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	1.8	U	0.7	U	0.7	U
Vinyl acetate	NS	5	U	20	UJ	1	U	1	U	5	U	5	U	5	U	2.5	U	1	U	1	U
Vinyl chloride	2	32	J	360	J	NA		0.17	J	0.48	J	0.78	J	0.12	J	6.5		NA		0.07	U
Total VOCs	NS	32		437		1		1		2		1		0		9		0		0	

Client Sample ID:		MW-11					
Depth:	NYSDEC[1] Ambient Water Quality Standards						
Sampling Date:		L1639729-09		L1706520-01			
Laboratory ID:		12/6/2016		3/1/2017			
Volatile Organic Compounds in µg/L							
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U		
1,1,1-Trichloroethane	5	2.5	U	2.5	U		
1,1,2,2-Tetrachloroethane	5	0.5	UJ	0.5	U		
1,1,2-Trichloroethane	1	1.5	UJ	1.5	U		
1,1-Dichloroethane	5	2.5	U	2.5	U		
1,1-Dichloroethene	5	0.5	U	0.5	U		
1,1-Dichloropropene	5	2.5	U	2.5	U		
1,2,3-Trichlorobenzene	5	2.5	UJ	2.5	U		
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U		
1,2,4,5-Tetramethylbenzene	NS	2	U	2	UJ		
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U		
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U		
1,2-Dibromo-3-chloropropane	0.04	2.5	UJ	2.5	UJ		
1,2-Dibromoethane	0.0006	2	U	2	U		
1,2-Dichlorobenzene	3	2.5	U	2.5	U		
1,2-Dichloroethane	0.6	0.5	U	0.5	U		
1,2-Dichloropropane	NS	1	U	1	U		
1,3,5-Trimethylbenzene	1	2.5	U	2.5	U		
1,3-Dichlorobenzene	5	2.5	U	2.5	U		
1,3-Dichloropropane	3	2.5	U	2.5	U		
1,4-Dichlorobenzene	5	2.5	U	2.5	U		
1,4-Diethylbenzene	NS	NA		NA			
1,4-Dioxane	3	250	UJ	250	UJ		
2,2-Dichloropropane	NS	2.5	U	2.5	U		
2-Butanone	5	5	U	5	UJ		
2-Hexanone	50	5	UJ	5	UJ		
4-Ethyltoluene	50	NA		NA			
4-Methyl-2-pentanone	NS	5	UJ	5	UJ		
Acetone	50	5	UJ	5	U		
Acrylonitrile	5	5	U	5	U		
Benzene	1	0.5	U	0.5	U		
Bromobenzene	5	2.5	U	2.5	U		
Bromochloromethane	5	2.5	U	2.5	U		
Bromodichloromethane	50	0.5	U	0.5	U		
Bromoform	50	2	U	2	U		
Bromomethane	5	2.5	U	2.5	U		
Carbon disulfide	60	5	U	5	UJ		
Carbon tetrachloride	5	0.5	U	0.5	U		
Chlorobenzene	5	2.5	U	2.5	U		
Chloroethane	5	2.5	U	2.5	UJ		
Chloroform	7	2.5	U	2.5	U		
Chloromethane	NS	2.5	UJ	2.5	UJ		
cis-1,2-Dichloroethene	5	2.5	U	2.5	U		
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U		
Dibromochloromethane	50	0.5	U	0.5	U		
Dibromomethane	5	5	U	5	U		
Dichlorodifluoromethane	5	5	U	5	UJ		
Ethyl ether	NS	2.5	UJ	2.5	U		
Ethylbenzene	5	2.5	U	2.5	U		
Hexachlorobutadiene	0.5	2.5	U	2.5	U		
Isopropylbenzene	5	2.5	U	2.5	U		
Methyl tert butyl ether	10	2.5	U	2.5	UJ		
Methylene chloride	5	2.5	U	2.5	U		
n-Butylbenzene	5	2.5	U	2.5	U		
n-Propylbenzene	5	2.5	U	2.5	U		
Naphthalene	10	2.5	UJ	2.5	U		
o-Chlorotoluene	5	2.5	U	2.5	U		
o-Xylene	5	2.5	U	2.5	U		
p-Chlorotoluene	5	2.5	U	2.5	U		
p-Diethylbenzene	NS	2	U	2	U		
p-Ethyltoluene	NS	2	U	2	U		
p-Isopropyltoluene	5	2.5	U	2.5	U		
p/m-Xylene	5	2.5	U	2.5	U		
sec-Butylbenzene	5	2.5	U	2.5	U		
Styrene	5	2.5	U	2.5	U		
tert-Butylbenzene	5	2.5	U	2.5	U		
Tetrachloroethene	5	0.39	J	0.5	U		
Toluene	5	2.5	U	2.5	U		
trans-1,2-Dichloroethene	5	2.5	U	2.5	U		
trans-1,3-Dichloropropene	0.4	0.5	UJ	0.5	U		
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U		
Trichloroethene	5	0.5	U	0.5	U		
Trichlorofluoromethane	5	2.5	U	2.5	U		
Vinyl acetate	NS	5	U	5	U		
Vinyl chloride	2	1	U	1	UJ		
Total VOCs	NS	0		0			

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC (1)	MW-12								MW-13					
Depth:	Ambient Water														
Sampling Date:	Quality Standards	L1524907-03	3/29/2016	9/16/2016	L1639729-03	L1706520-03		L1524907-04	3/29/2016	9/16/2016	L1639729-04	L1706520-04	
Laboratory ID:		10/2/2015	L1609110-03	L1629516-03	12/6/2016	3/1/2017		10/2/2015	L1609110-04	L1629516-04	12/6/2016	3/1/2017	
Volatile Organic Compounds in µg/L													
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,1,1-Trichloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,1,2,2-Tetrachloroethane	5	0.14 U	0.14 U	0.17 U	0.5 UJ	0.5 U		0.36 U	0.14 U	0.33 U	0.5 UJ	0.5 U	
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	1.5 UJ	1.5 U		1.2 U	0.5 U	1 U	1.5 UJ	1.4 J	
1,1-Dichloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,1-Dichloroethene	5	0.14 U	0.14 U	0.17 U	0.5 U	0.5 U		0.36 U	0.14 U	0.34 U	0.5 U	0.5 U	
1,1-Dichloropropene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,2,3-Trichlorobenzene	5	0.7 UJ	0.7 U	0.7 U	2.5 UJ	2.5 U		1.8 U	0.7 U	1.4 U	2.5 UJ	2.5 U	
1,2,3-Trichloropropane	0.04	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,2,4,5-Tetramethylbenzene	NS	0.92 J	0.65 U	0.71 J	2 U	2 U		1.6 U	1.3 J	18	4.4	2.2 J	
1,2,4-Trichlorobenzene	5	0.7 UJ	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,2,4-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	3.9	2.4 J	2.5 U	2.5 U	
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 U	0.7 U	2.5 UJ	2.5 UJ		1.8 U	0.7 U	1.4 U	2.5 UJ	2.5 UJ	
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	2 U	2 U		1.6 U	0.65 U	1.3 U	2 U	2 U	
1,2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,2-Dichloroethane	0.6	0.13 U	0.13 U	0.13 U	0.5 U	0.5 U		0.33 U	0.13 U	0.26 U	0.5 U	0.5 U	
1,2-Dichloropropane	NS	0.13 U	0.13 U	0.14 U	1 U	1 U		0.33 U	0.13 U	0.27 U	1 U	1 U	
1,3,5-Trimethylbenzene	1	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,3-Dichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,3-Dichloropropane	3	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,4-Dichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
1,4-Diethylbenzene	NS	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	
1,4-Dioxane	3	NA	41 U	61 U	250 UJ	250 UJ		NA	41 U	120 U	250 UJ	250 UJ	
2,2-Dichloropropane	NS	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
2-Butanone	5	1.9 U	1.9 U	1.9 U	5 U	5 UJ		4.8 U	1.9 U	3.9 U	5 U	5 UJ	
2-Hexanone	50	1 U	1 U	1 U	5 UJ	5 UJ		2.5 U	1 U	2 U	5 UJ	5 UJ	
4-Ethyltoluene	50	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	5 UJ	5 UJ		2.5 U	1 U	2 U	5 UJ	5 UJ	
Acetone	50	1.5 U	1.5 U	1.5 U	5 UJ	5 U		6.6 J	1.9 J	2.9 U	5 UJ	5 U	
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	5 U	5 U		3.8 U	1.5 U	3 U	5 U	5 U	
Benzene	1	0.16 U	0.16 U	0.16 J	0.5 U	0.5 U		0.4 U	0.51	0.7 J	0.76	0.96	
Bromobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Bromochloromethane	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.5 U	0.5 U		0.48 U	0.19 U	0.38 U	0.5 U	0.5 U	
Bromoform	50	0.65 U	0.65 U	0.65 U	2 U	2 U		1.6 U	0.65 U	1.3 U	2 U	2 U	
Bromomethane	5	0.7 UJ	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Carbon disulfide	60	1 U	1 U	1 U	5 U	5 UJ		2.5 U	1 U	2 U	5 U	5 UJ	
Carbon tetrachloride	5	0.13 U	0.13 U	0.13 U	0.5 U	0.5 U		0.34 U	0.13 U	0.27 U	0.5 U	0.5 U	
Chlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Chloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 UJ		1.8 U	0.7 U	1.4 U	2.5 U	2.5 UJ	
Chloroform	7	0.7 U	0.7 U	0.7 U	1.7 J	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Chloromethane	NS	0.7 U	0.7 U	0.7 U	2.5 UJ	2.5 UJ		1.8 U	0.7 U	1.4 U	2.5 UJ	2.5 UJ	
cis-1,2-Dichloroethene	5	31	15	5.4	21	1.1 J		150	72	30	15	18	
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.5 U	0.5 U		0.36 U	0.14 U	0.29 U	0.5 U	0.5 U	
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.5 U	0.5 U		0.37 U	0.15 U	0.3 U	0.5 U	0.5 U	
Dibromomethane	5	1 U	1 U	1 U	5 U	5 U		2.5 U	1 U	2 U	5 U	5 U	
Dichlorodifluoromethane	5	1 U	1 U	1 U	5 UJ	5 UJ		2.5 U	1 U	2 U	5 UJ	5 UJ	
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	2.5 UJ	2.5 U		1.8 U	0.7 U	1.4 U	2.5 UJ	2.5 U	
Ethylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	1.7 J	4.3 J	1.9 J	2 J	
Hexachlorobutadiene	0.5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Isopropylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	1.8 J	5.5	1.5 J	1.2 J	
Methyl tert butyl ether	10	0.7 U	0.7 U	0.7 U	2.5 U	2.5 UJ		1.8 U	0.7 U	1.4 U	2.5 U	2.5 UJ	
Methylene chloride	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
n-Butylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	3.7 J	2.5 U	2.5 U	
n-Propylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.76 J	2.7 J	2.5 U	2.5 U	
Naphthalene	10	0.7 UJ	0.7 U	0.96 J	2.5 UJ	2.5 U		1.8 U	0.82 J	2.7 J	1.7 J	2.5 U	
o-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
o-Xylene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	3.7	5.6	2.2 J	1.4 J	
p-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
p-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	2 U	2 U		1.8 U	2.8	4.6	1.2 J	2 U	
p-Ethyltoluene	NS	0.7 U	0.7 U	0.7 U	2 U	2 U		1.8 U	1.1 J	3.8 J	2 U	2 U	
p-Isopropyltoluene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
p/m-Xylene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	1.2 J	1.4 U	2.5 U	2.5 U	
sec-Butylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.99 J	3.9 J	1.1 J	2.5 U	
Styrene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
tert-Butylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
Tetrachloroethene	5	10	0.37 J	0.41 J	2.1	2.3		86	8.1	7.5	6	3.5	
Toluene	5	0.7 U	0.7 U	0.7 U	2.5 U	2.5 U		1.8 U	0.7 U	1.4 U	2.5 U	2.5 U	
trans-1,2-Dichloroethene	5	1.1 J	0.7 U	0.7 U	2.5 U	2.5 U		2.8 J	2.3 J	2.6 J	1.7 J	2 J	
trans-1,3-Dichloropropene	0.4	0.16 U	0.16 U	0.16 U	0.5 UJ	0.5 U		0.41 U	0.16 U	0.33 U	0.5 UJ	0.5 U	
trans-1,4-Dichloro-2-butene	5	7 U	0.7 U	0.7 U	2.5 U	2.5 U		0.7 U	0.7 U	1.4 U	2.5 U	2.5 U	
Trichloroethene	5	1.8 U	0.64	0.47 J	1.6	0.57		0.32 J	2.2	3	2.9	2.4	
Trichlorofluoromethane	5	7 U	0.7 U	0.7 U	2.5 U	2.5 U		0.7 U	0.7 U	1.4 U	2.5 U	2.5 U	
Vinyl acetate	NS	10 U	1 U	1 U	5 U	5 U		1 U	1 U	2 U	5 U	5 U	
Vinyl chloride	2	7.7 J	NA	12	1.6	1.8 J		140	NA	39	18	66 J	
Total VOCs	NS	51	16	20	28	6		386	107	140	58	101	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC[1]	MW-14										MW-15									
Depth:	Ambient Water																				
Sampling Date:	Quality Standards	L1524907-05		3/29/2016		6/22/2016		9/16/2016		L1639729-05		L1706520-05		L1524907-06		3/29/2016		6/22/2016		9/16/2016		L1639729-08		L1706520-08	
Laboratory ID:		10/2/2015		L1609110-05		L1619370-05		L1629516-05		12/6/2016		3/1/2017		10/2/2015		L1609110-06		L1619370-06		L1629516-06		12/6/2016		3/1/2017	
Volatile Organic Compounds in µg/L																									
1,1,1,2-Tetrachloroethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,1,1-Trichloroethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	3.6	U	0.17	J	25	U	3.3	UJ	5	UJ	5	U	0.36	U	0.14	U	0.5	U	0.42	U	1	UJ	0.5	U
1,1,2-Trichloroethane	1	12	U	0.5	U	75	U	10	UJ	15	UJ	15	U	5.6		0.5	U	1.5	U	1.2	U	3	UJ	1.5	U
1,1-Dichloroethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,1-Dichloroethene	5	3.6	U	1.6		25	U	4.9	J	5	U	5	U	0.36	U	0.14	U	0.5	U	0.42	U	1	U	0.5	U
1,1-Dichloropropene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,2,3-Trichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	UJ	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	UJ	2.5	U
1,2,3-Trichloropropane	0.04	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,2,4,5-Tetramethylbenzene	NS	16	U	0.65	U	100	U	13	J	20	U	20	U	29		22		11		17		5.4		3	J
1,2,4-Trichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,2,4-Trimethylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	18	U	0.7	U	120	U	14	UJ	25	UJ	25	UJ	1.8	U	0.7	U	2.5	U	1.8	U	5	UJ	2.5	UJ
1,2-Dibromoethane	0.0006	16	U	0.65	U	100	U	13	UJ	20	U	20	U	1.6	U	0.65	U	2	U	1.6	U	4	U	2	U
1,2-Dichlorobenzene	3	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,2-Dichloroethane	0.6	3.3	U	0.13	U	25	U	2.6	UJ	5	U	5	U	0.33	U	0.13	U	0.5	U	0.33	U	1	U	0.5	U
1,2-Dichloropropane	NS	3.3	U	0.13	U	2,800		2.7	UJ	10	U	10	U	0.33	U	0.13	U	7.8	J	0.34	U	2	U	1	U
1,3,5-Trimethylbenzene	1	18	U	0.7	U	50	U	14	UJ	25	U	25	U	1.8	U	0.7	U	1	U	1.8	U	5	U	2.5	U
1,3-Dichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,3-Dichloropropane	3	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,4-Dichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
1,4-Diethylbenzene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dioxane	3	NA		41	U	25	U	1,200	UJ	2,500	UJ	2,500	UJ	NA		41	U	0.5	U	150	U	500	UJ	250	UJ
2,2-Dichloropropane	NS	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
2-Butanone	5	48	U	1.9	U	NA		39	UJ	50	U	50	UJ	4.8	U	1.9	U	NA		4.8	U	10	U	5	UJ
2-Hexanone	50	25	U	1	U	12,000	U	20	UJ	50	UJ	50	UJ	2.5	U	1	U	250	U	2.5	U	10	UJ	5	UJ
4-Ethyltoluene	50	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
4-Methyl-2-pentanone	NS	25	U	1	U	120	U	20	UJ	50	UJ	50	UJ	2.5	U	1	U	2.5	U	2.5	U	10	UJ	5	UJ
Acetone	50	64	J	1.5	U	250	U	29	UJ	50	UJ	50	U	13		1.5	U	5	U	5.8	J	4.8	J	3.3	J
Acrylonitrile	5	38	U	1.5	U	250	U	30	UJ	50	U	50	U	3.8	U	1.5	U	5	U	3.8	U	10	U	5	U
Benzene	1	4	U	0.16	U	NA		3.2	UJ	5	U	5	U	0.4	U	0.16	U	NA		0.4	U	1	U	0.5	U
Bromobenzene	5	18	U	0.7	U	250	U	14	UJ	25	U	25	U	1.8	U	0.7	U	5	U	1.8	U	5	U	2.5	U
Bromochloromethane	5	18	U	0.7	U	250	U	14	UJ	25	U	25	U	1.8	U	0.7	U	5	U	1.8	U	5	U	2.5	U
Bromodichloromethane	50	4.8	U	0.19	U	250	U	3.8	UJ	5	U	5	U	0.48	U	0.19	U	5	U	0.48	U	1	U	0.5	U
Bromoform	50	16	U	0.65	U	25	U	13	UJ	20	U	20	U	1.6	U	0.65	U	0.5	U	1.6	U	4	U	2	U
Bromomethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
Carbon disulfide	60	25	U	1	U	120	U	20	UJ	50	U	50	UJ	2.5	U	1	U	2.5	U	2.5	U	5.2	J	5	UJ
Carbon tetrachloride	5	3.4	U	0.13	U	25	U	2.7	UJ	5	U	5	U	0.34	U	0.13	U	0.5	U	0.34	U	1	U	0.5	U
Chlorobenzene	5	18	U	0.7	U	100	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2	U	1.8	U	5	U	2.5	U
Chloroethane	5	18	U	0.7	U	120	U	14	U	25	U	25	UJ	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	UJ
Chloroform	7	18	U	0.7	U	250	U	14	UJ	25	U	25	U	1.8	U	0.7	U	5	U	1.8	U	5	U	2.5	U
Chloromethane	NS	18	U	0.7	U	25	U	14	UJ	25	UJ	25	UJ	1.8	U	0.7	U	0.5	U	1.8	U	5	UJ	2.5	UJ
cis-1,2-Dichloroethene	5	1,800		1,900	E	120	U	1,600	J	660		660		56		6.6		2.5	U	14		12		18	J
cis-1,3-Dichloropropene	0.4	3.6	U	0.14	U	120	U	2.9	UJ	5	U	5	U	0.36	U	0.14	U	2.5	U	0.36	U	1	U	0.5	U
Dibromochloromethane	50	3.7	U	0.15	U	120	U	3	UJ	5	U	5	U	0.37	U	0.15	U	2.5	U	0.37	U	1	U	0.5	U
Dibromomethane	5	25	U	1	U	120	U	20	UJ	50	U	50	U	2.5	U	1	U	2.5	U	2.5	U	10	U	5	U
Dichlorodifluoromethane	5	25	U	1	U	2,800		20	UJ	50	UJ	50	UJ	2.5	U	1	U	6.1		2.5	U	10	UJ	5	UJ
Ethyl ether	NS	18	U	0.7	U	25	U	14	UJ	25	UJ	25	U	1.8	U	0.7	U	0.5	U	1.8	U	5	UJ	2.5	U
Ethylbenzene	5	18	U	0.7	U	25	U	14	UJ	25	U	25	U	1.8	U	0.7	U	0.5	U	1.8	U	5	U	2.5	U
Hexachlorobutadiene	0.5	18	U	0.7	U	250	U	14	UJ	25	U	25	U	1.8	U	0.7	U	5	U	1.8	U	5	U	2.5	U
Isopropylbenzene	5	18	U	0.7	U	250	U	14	UJ	25	U	25	U	1.8	U	0.81	J	5	U	1.8	U	5	U	2.5	U
Methyl tert butyl ether	10	18	U	0.7	U	120	U	14	UJ	25	U	25	UJ	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	UJ
Methylene chloride	5	18	U	0.7	U	120	U	14	UJ	25	U	7	J	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
n-Butylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.87	J	2.5	U	1.8	U	5	U	2.5	U
n-Propylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
Naphthalene	10	18	U	0.7	U	120	U	14	UJ	25	UJ	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5.7	J	2.5	U
o-Chlorotoluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
o-Xylene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
p-Chlorotoluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
p-Diethylbenzene	NS	18	U	0.7	U	120	U	14	UJ	20	U	20	U	2.3	J	0.7	U	2.5	U	1.8	U	4	U	2	U
p-Ethyltoluene	NS	18	U	0.7	U	120	U	14	UJ	20	U	20	U	1.8	U	0.7	U	2.5	U	1.8	U	4	U	2	U
p-Isopropyltoluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
p/m-Xylene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
sec-Butylbenzene	5	18	U	0.7	U	100	U	14	UJ	25	U	25	U	1.8	U	1.3	J	2	U	1.8	U	5	U	2.5	U
Styrene	5	18	U	0.7	U	100	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2	U	1.8	U	5	U	2.5	U
tert-Butylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.95	J	2.5	U	1.8	U	5	U	2.5	U
Tetrachloroethene	5	760		150		120	U	140	J	78		39		7.4		0.78		2.5	U	1.6		0.76	J	0.96	J
Toluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U
trans-1,2-Dichloroethene	5	18	U	60		120	U	14	UJ	25	U	25	U	2.8	J	2.4	J	2.5	U	2.1	J	1.5	J	2.2	J
trans-1,3-Dichloropropene	0.4	4.1	U	0.16	U	120	U	3.3	UJ	5	UJ	5	U	0.41	U	0.16	U	2.5	U	0.41	U	1	UJ	0.5	U
trans-1,4-Dichloro-2-butene	5	0.7	U	0.7	U	200		14	UJ	25	U	25	U	0.7	U	0.7	U	1.2		1.8	U	5	U	2.5	U
Trichloroethene	5	0.25	J	56		120	U	77	J	17		11		0.42	J	0.67		2.5	U	2.8		2		3.5	J
Trichlorofluoromethane	5	0.7	U	0.7	U	120	U	14	UJ	25	U	25	U	0.7	U	0.7	U	1.7	J	1.8	U	5	U	2.5	U
Vinyl acetate	NS	1	U	1	U	25	U	20	UJ	50	U	50	U	1	U	1	U	0.5	U	2.5	U	10	U	5	U
Vinyl chloride	2	1.2		NA		NA		360	J	130		300	J	180		NA		2.5	U	6.5		6.5		7.5	J
Total VOCs	NS	2,625		2,168		5,800		2,195		885		1,017		297		36		28		50		44		38	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC A

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC (1)	MW-16											
Depth:	Ambient Water												
Sampling Date:	Quality Standards	10/2/2015		3/29/2016	6/22/2016	9/16/2016		12/6/2016	3/1/2017
Laboratory ID:		L1524907-07		-	-	L1629516-12		-	-
Volatile Organic Compounds in µg/L									
1,1,1,2-Tetrachloroethane	5	14	U	NA	NA	7	U	NA	NA
1,1,1-Trichloroethane	5	14	U	NA	NA	7	U	NA	NA
1,1,2,2-Tetrachloroethane	5	2.9	U	NA	NA	1.7	U	NA	NA
1,1,2-Trichloroethane	1	10	U	NA	NA	5	U	NA	NA
1,1-Dichloroethane	5	14	U	NA	NA	7	U	NA	NA
1,1-Dichloroethene	5	2.8	U	NA	NA	1.7	U	NA	NA
1,1-Dichloropropene	5	14	U	NA	NA	7	U	NA	NA
1,2,3-Trichlorobenzene	5	14	U	NA	NA	7	U	NA	NA
1,2,3-Trichloropropane	0.04	14	U	NA	NA	7	U	NA	NA
1,2,4,5-Tetramethylbenzene	NS	17	J	NA	NA	13	J	NA	NA
1,2,4-Trichlorobenzene	5	14	U	NA	NA	7	U	NA	NA
1,2,4-Trimethylbenzene	5	14	U	NA	NA	7	U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	14	U	NA	NA	7	U	NA	NA
1,2-Dibromoethane	0.0006	13	U	NA	NA	6.5	U	NA	NA
1,2-Dichlorobenzene	3	14	U	NA	NA	7	U	NA	NA
1,2-Dichloroethane	0.6	2.6	U	NA	NA	1.3	U	NA	NA
1,2-Dichloropropane	NS	2.7	U	NA	NA	1.4	U	NA	NA
1,3,5-Trimethylbenzene	1	14	U	NA	NA	7	U	NA	NA
1,3-Dichlorobenzene	5	14	U	NA	NA	7	U	NA	NA
1,3-Dichloropropane	3	14	U	NA	NA	7	U	NA	NA
1,4-Dichlorobenzene	5	14	U	NA	NA	7	U	NA	NA
1,4-Diethylbenzene	NS	NA		NA	NA	NA		NA	NA
1,4-Dioxane	3	NA		NA	NA	610	U	NA	NA
2,2-Dichloropropane	NS	14	U	NA	NA	7	U	NA	NA
2-Butanone	5	39	U	NA	NA	19	U	NA	NA
2-Hexanone	50	20	U	NA	NA	10	U	NA	NA
4-Ethyltoluene	50	NA		NA	NA	NA		NA	NA
4-Methyl-2-pentanone	NS	20	U	NA	NA	10	U	NA	NA
Acetone	50	56	J	NA	NA	15	U	NA	NA
Acrylonitrile	5	30	U	NA	NA	15	U	NA	NA
Benzene	1	3.2	U	NA	NA	1.6	U	NA	NA
Bromobenzene	5	14	U	NA	NA	7	U	NA	NA
Bromochloromethane	5	14	U	NA	NA	7	U	NA	NA
Bromodichloromethane	50	3.8	U	NA	NA	1.9	U	NA	NA
Bromoform	50	13	U	NA	NA	6.5	U	NA	NA
Bromomethane	5	14	U	NA	NA	7	U	NA	NA
Carbon disulfide	60	20	U	NA	NA	10	U	NA	NA
Carbon tetrachloride	5	2.7	U	NA	NA	1.3	U	NA	NA
Chlorobenzene	5	14	U	NA	NA	7	U	NA	NA
Chloroethane	5	14	U	NA	NA	7	U	NA	NA
Chloroform	7	14	U	NA	NA	7	U	NA	NA
Chloromethane	NS	14	U	NA	NA	7	U	NA	NA
cis-1,2-Dichloroethene	5	740		NA	NA	7	U	NA	NA
cis-1,3-Dichloropropene	0.4	2.9	U	NA	NA	1.4	U	NA	NA
Dibromochloromethane	50	3	U	NA	NA	1.5	U	NA	NA
Dibromomethane	5	20	U	NA	NA	10	U	NA	NA
Dichlorodifluoromethane	5	20	U	NA	NA	10	U	NA	NA
Ethyl ether	NS	14	U	NA	NA	7	U	NA	NA
Ethylbenzene	5	14	U	NA	NA	7	U	NA	NA
Hexachlorobutadiene	0.5	14	U	NA	NA	7	U	NA	NA
Isopropylbenzene	5	14	U	NA	NA	7	U	NA	NA
Methyl tert butyl ether	10	14	U	NA	NA	7	U	NA	NA
Methylene chloride	5	14	U	NA	NA	7	U	NA	NA
n-Butylbenzene	5	14	U	NA	NA	7	U	NA	NA
n-Propylbenzene	5	14	U	NA	NA	7	U	NA	NA
Naphthalene	10	14	U	NA	NA	7	U	NA	NA
o-Chlorotoluene	5	14	U	NA	NA	7	U	NA	NA
o-Xylene	5	14	U	NA	NA	7	U	NA	NA
p-Chlorotoluene	5	14	U	NA	NA	7	U	NA	NA
p-Diethylbenzene	NS	14	U	NA	NA	7	U	NA	NA
p-Ethyltoluene	NS	14	U	NA	NA	7	U	NA	NA
p-Isopropyltoluene	5	14	U	NA	NA	7	U	NA	NA
p/m-Xylene	5	14	U	NA	NA	7	U	NA	NA
sec-Butylbenzene	5	14	U	NA	NA	7	U	NA	NA
Styrene	5	14	U	NA	NA	7	U	NA	NA
tert-Butylbenzene	5	14	U	NA	NA	7	U	NA	NA
Tetrachloroethene	5	3.7	J	NA	NA	1.8	U	NA	NA
Toluene	5	14	U	NA	NA	7	U	NA	NA
trans-1,2-Dichloroethene	5	14	U	NA	NA	7	U	NA	NA
trans-1,3-Dichloropropene	0.4	3.3	U	NA	NA	1.6	U	NA	NA
trans-1,4-Dichloro-2-butene	5	0.7	U	NA	NA	7	U	NA	NA
Trichloroethene	5	0.18	U	NA	NA	1.8	U	NA	NA
Trichlorofluoromethane	5	0.7	U	NA	NA	7	U	NA	NA
Vinyl acetate	NS	1	U	NA	NA	10	U	NA	NA
Vinyl chloride	2	0.07	U	NA	NA	7.7	J	NA	NA
Total VOCs	NS	817		NC	NC	21		NC	NC

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC AV

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC[1]										MLWell1											
Depth:											15-20'											
Sampling Date:	Ambient Water Quality Standards	10/17/2012		1/30/2013		9/30/2013		L1423615-01		L1510117-03		L1524907-09		3/29/2016		6/22/2016		9/16/2016		L1639729-06		L1706520-06	
Laboratory ID:		L1218814-01		L1301890-01		L1319520-06		10/7/2014		5/11/2015		10/2/2015		L1609110-07		L1619370-07		L1629516-07		12/6/2016		3/1/2017	
Volatile Organic Compounds in µg/L																							
1,1,1,2-Tetrachloroethane	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	2	U	1.2	U	0.14	U	0.14	U	0.14	U	0.14	U	0.5	U	0.17	U	0.5	UJ	0.5	U
1,1,2-Trichloroethane	1	1.5	U	6	U	3.8	U	0.5	U	0.5	U	0.5	U	0.5	U	1.5	U	0.5	U	1.5	UJ	1.5	U
1,1-Dichloroethane	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	2	U	1.2	U	0.34	J	0.22	J	0.14	U	0.14	U	0.5	U	0.17	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	NS	20		9.5		6.2		3.8		1.6	J	3.1		1.6	J	5.8		4.4		2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	0.9	J	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	UJ
1,2-Dibromoethane	0.0006	2	U	8	U	5	U	0.65	U	0.65	U	0.65	U	0.65	U	2	U	0.65	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	2	U	1.2	U	0.13	U	0.13	U	0.13	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U
1,2-Dichloropropane	NS	1	U	4	U	2.5	U	0.13	U	0.13	U	0.13	U	0.13	U	21	J	0.14	U	1	U	1	U
1,3,5-Trimethylbenzene	1	5.5		10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	1	U	0.7	U	2.5	U	2.5	U
1,3-Dichlorobenzene	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,3-Dichloropropane	3	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,4-Dichlorobenzene	5	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	13		5.6	J	3.5	J	NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dioxane	3	NA		NA		NA		NA		NA		NA		41	U	0.5	U	61	U	250	UJ	250	UJ
2,2-Dichloropropane	NS	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
2-Butanone	5	250	U	500	U	12	U	1.9	U	1.9	U	1.9	U	1.9	U	NA		1.9	U	5	U	5	UJ
2-Hexanone	50	250	U	500	U	12	U	1	U	1	U	1	U	1	U	250	UJ	1	U	5	UJ	5	UJ
4-Ethyltoluene	50	100	U	200	U	5	U	NA		NA		NA		NA		NA		NA		NA		NA	
4-Methyl-2-pentanone	NS	250	U	500	U	12	U	1	U	1	U	1	U	1	U	2.5	U	1	U	5	UJ	5	UJ
Acetone	50	250	U	500	U	92		1.5	U	1.5	U	1.6	J	1.5	U	5	U	1.5	U	5	UJ	5	U
Acrylonitrile	5	250	U	500	U	12	U	1.5	U	1.5	U	1.5	U	1.5	U	5	UJ	1.5	U	5	U	5	U
Benzene	1	25	U	50	U	1.2	U	0.16	U	0.16	U	0.16	U	0.16	U	NA		0.16	U	0.5	U	0.5	U
Bromobenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	5	UJ	0.7	U	2.5	U	2.5	U
Bromochloromethane	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	68	J	0.7	U	2.5	U	2.5	U
Bromodichloromethane	50	25	U	50	U	1.2	U	0.19	U	0.19	U	0.19	U	0.19	U	5	U	0.19	U	0.5	U	0.5	U
Bromoform	50	100	U	200	U	5	U	0.65	U	0.65	U	0.65	U	0.65	U	0.5	U	0.65	U	2	U	2	U
Bromomethane	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
Carbon disulfide	60	250	U	500	U	12	U	1	U	1	U	1	U	1	U	2.5	U	1	U	5	U	5	UJ
Carbon tetrachloride	5	25	U	50	U	1.2	U	0.13	U	0.13	U	0.13	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U
Chlorobenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2	U	0.7	U	2.5	U	2.5	U
Chloroethane	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	UJ	0.7	U	2.5	U	2.5	UJ
Chloroform	7	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U
Chloromethane	NS	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	0.5	U	0.7	U	2.5	UJ	2.5	UJ
cis-1,2-Dichloroethene	5	2,700		5,200		160		140		100		32		26		2.5	U	29		2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	25	U	50	U	1.2	U	0.14	U	0.14	U	0.14	U	0.14	U	2.5	U	0.14	U	0.5	U	0.5	U
Dibromochloromethane	50	25	U	50	U	1.2	U	0.15	U	0.15	U	0.15	U	0.15	U	2.5	U	0.15	U	0.5	U	0.5	U
Dibromomethane	5	250	U	500	U	12	U	1	U	1	U	1	U	1	U	2.5	UJ	1	U	5	U	5	U
Dichlorodifluoromethane	5	250	U	500	U	12	U	1	U	1	U	1	U	1	U	20		1	U	5	UJ	5	UJ
Ethyl ether	NS	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	0.5	U	0.7	U	2.5	UJ	2.5	U
Ethylbenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	0.5	U	0.7	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U
Isopropylbenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	5	UJ	0.7	U	2.5	U	2.5	U
Methyl tert butyl ether	10	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	UJ
Methylene chloride	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
n-Butylbenzene	5	120	U	250	U	6.2	U	0.77	J	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
n-Propylbenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
Naphthalene	10	120	U	250	U	6.2	U	0.83	J	0.7	U	1.4	J	0.87	J	2.5	U	1.5	J	2.5	UJ	2.5	U
o-Chlorotoluene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
o-Xylene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
p-Chlorotoluene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	5		3.4		0.7	U	5		2.5	U	0.7	U	2	U	2	U
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2	U	2	U
p-Isopropyltoluene	5	120	U	250	U	1.9	J	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
p/m-Xylene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
sec-Butylbenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2	U	0.7	U	2.5	U	2.5	U
Styrene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2	U	0.7	U	2.5	U	2.5	U
tert-Butylbenzene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
Tetrachloroethene	5	700		1,400		33		2.5		2.2		1		1.2		2.5	U	0.3	J	0.5	U	0.5	U
Toluene	5	120	U	250	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	120	U	250	U	5.3	J	2.8		1.3	J	2.3	J	1.3	J	2.5	U	2.1	J	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	25	U	50	U	1.2	U	0.16	U	0.16	U	0.16	U	0.16	U	2.5	U	0.16	U	0.5	UJ	0.5	U
trans-1,4-Dichloro-2-butene	5	120	U	250	U	6.2	U	NA		1.4	U	0.7	U	0.7	U	0.49	J	0.7	U	2.5	U	2.5	U
Trichloroethene	5	1,100		1,500		10		NA		3		0.18	U	0.56		2.5	U	0.32	J	0.22	J	0.21	J
Trichlorofluoromethane	5	120	U	250	U	6.2	U	NA		1.4	U	0.7	U	0.7	U	1.4	J	0.7	U	2.5	U	2.5	U
Vinyl acetate	NS	250	U	500	U	12	U	NA		2	U	1	U	1	U	0.5	U	1	U	5	U	5	U
Vinyl chloride	2	480		1,200		2.5	U	NA		39		0.07	U	NA		NA		140		1	U	0.23	J
Total VOCs	NS	5,019		9,315		312		156		151		41		37		117		178		0		0	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC AV

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC[1]	MLWell1																					
Depth:		35-40'																55-60'					
Sampling Date:	Ambient Water Quality Standards	10/17/2012		1/30/2013		9/30/2013		3/29/2016		6/22/2016		9/16/2016		L1639729-07		L1706520-07		10/17/2012		1/30/2013		9/30/2013	
Laboratory ID:		L1218814-02		L1301890-02		L1319520-07		L1609110-09		L1619370-08		L1629516-08		12/6/2016		3/1/2017		L1218814-03		L1301890-03		L1319520-08	
Volatile Organic Compounds in µg/L																							
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.14	U	0.5	U	0.17	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	0.5	U	1.5	U	0.5	U	1.5	UJ	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.14	U	0.5	U	0.17	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	NS	0.7	J	0.75	J	2	U	0.65	U	2	U	0.66	J	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	0.65	U	2	U	0.65	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	NS	1	U	1	U	1	U	0.13	U	2.5	U	0.14	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	1	2.5	U	2.5	U	2.5	U	0.7	U	1	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	3	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	0.18	J	2	U	2	U	NA		NA		NA		NA		NA		2	U	2	U	2	U
1,4-Dioxane	3	NA		NA		NA		41	U	0.5	U	61	U	250	UJ	250	UJ	NA		NA		NA	
2,2-Dichloropropane	NS	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
2-Butanone	5	5,000	U	5	U	5	U	1.9	U	NA		1.9	U	5	U	5	UJ	100	U	5	U	5	U
2-Hexanone	50	5,000	U	5	U	5	U	1	U	250	U	1	U	5	UJ	5	UJ	100	U	5	U	5	U
4-Ethyltoluene	50	2,000	U	2	U	2	U	NA		NA		NA		NA		NA		40	U	2	U	2	U
4-Methyl-2-pentanone	NS	5,000	U	5	U	5	U	1	U	2.5	U	1	U	5	UJ	5	UJ	100	U	5	U	5	U
Acetone	50	5,000	U	5		5	U	1.5	U	5	U	1.5	U	5	UJ	5	U	100	U	1.6	J	5	U
Acrylonitrile	5	5,000	U	5	U	5	U	1.5	U	5	U	1.5	U	5	U	5	U	100	U	5	U	5	U
Benzene	1	500	U	0.5	U	0.5	U	0.16	U	NA		0.16	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Bromobenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Bromochloromethane	5	2,500	U	2.5	U	2.5	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Bromodichloromethane	50	500	U	0.5	U	0.5	U	0.19	U	5	U	0.19	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Bromoform	50	2,000	U	2	U	2	U	0.65	U	0.5	U	0.65	U	2	U	2	U	40	U	2	U	2	U
Bromomethane	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Carbon disulfide	60	5,000	U	5	U	5	U	1	U	2.5	U	1	U	5	U	5	UJ	100	U	5	U	5	U
Carbon tetrachloride	5	500	U	0.5	U	0.5	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Chlorobenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	2	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Chloroethane	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	UJ	50	U	2.5	U	2.5	U
Chloroform	7	2,500	U	2.5	U	2.5	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Chloromethane	NS	2,500	U	2.5	U	2.5	U	0.7	U	0.5	U	0.7	U	2.5	UJ	2.5	UJ	50	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	25,000		3.8		2.5	U	0.74	J	2.5	U	0.7	U	2.5	U	2.5	U	870		2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	500	U	0.5	U	0.5	U	0.14	U	2.5	U	0.14	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Dibromochloromethane	50	500	U	0.5	U	0.5	U	0.15	U	2.5	U	0.15	U	0.5	U	0.5	U	10	U	0.5	U	0.5	U
Dibromomethane	5	5,000	U	5	U	5	U	1	U	2.5	U	1	U	5	U	5	U	100	U	5	U	5	U
Dichlorodifluoromethane	5	5,000	U	5	U	5	U	1	U	2.5	U	1	U	5	UJ	5	UJ	100	U	5	U	5	U
Ethyl ether	NS	2,500	U	2.5	U	2.5	U	0.7	U	0.5	U	0.7	U	2.5	UJ	2.5	U	50	U	2.5	U	2.5	U
Ethylbenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	0.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	2,500	U	2.5	U	2.5	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Isopropylbenzene	5	2,500	U	0.71	J	2.5	U	0.7	U	5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	UJ	50	U	2.5	U	2.5	U
Methylene chloride	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
n-Butylbenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
n-Propylbenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Naphthalene	10	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	1	J	2.5	UJ	2.5	UJ	50	U	2.5	U	2.5	U
o-Chlorotoluene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
o-Xylene	5	2,500	U	1	J	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
p-Chlorotoluene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
p-Diethylbenzene	NS	NA		NA		NA		0.7	U	2.5	U	0.7	U	2	U	2	U	NA		NA		NA	
p-Ethyltoluene	NS	NA		NA		NA		0.7	U	2.5	U	0.7	U	2	U	2	U	NA		NA		NA	
p-Isopropyltoluene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
p/m-Xylene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
sec-Butylbenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	2	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Styrene	5	2,500	U	2.5	U	2.5	U	0.7	U	2	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
tert-Butylbenzene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Tetrachloroethene	5	340,000	E	2.5	U	0.5	U	2.3		2.5	U	0.18	J	0.5	U	0.26	J	410		2.5	U	0.5	U
Toluene	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2,500	U	1.2	J	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	500	U	0.5	U	0.5	U	0.16	U	2.5	U	0.16	U	0.5	UJ	0.5	U	10	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	2,500	U	2.5	U	2.5	U	0.7	U	0.28	J	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Trichloroethene	5	26,000		0.5	U	0.5	U	0.21	J	2.5	U	0.25	J	0.5	U	0.29	J	100		0.5	U	0.5	U
Trichlorofluoromethane	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	50	U	2.5	U	2.5	U
Vinyl acetate	NS	5,000	U	5	U	5	U	1	U	0.5	U	1	U	5	U	5	U	100	U	5	U	5	U
Vinyl chloride	2	1,000	U	13		1	U	NA		NA		1.2		1	U	1	U	290		1	U	1	U
Total VOCs	NS	391,001		25		0		3		0		3		0		1		1,670		2		0	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidan
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meet
U - The analyte was analyzed for, but was not detected ab
E - Concentration of analyte exceeds the range of the cali
Highlighted values indicate exceedance of the NYSDEC AV

Table 3

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:								MLWell1									
Depth:	NYSDEC (1)		75-80'					95-100'				115-120'					
Sampling Date:	Ambient Water	10/17/2012		1/30/2013		9/30/2013		10/17/2012		9/30/2013		1/30/2013		10/17/2012		1/30/2013		9/30/2013	
Laboratory ID:	Quality Standards	L1218814-04		L1301890-04		L1319520-09		L1218814-05		L1319520-10		L1301890-05		L1218814-06		L1301890-06		L1319520-11	
Volatile Organic Compounds in µg/L																			
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	3	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	NS	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	1	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dioxane	3	NA		NA		NA		NA		NA		NA		NA		NA		NA	
2,2-Dichloropropane	NS	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	5	12	U	25		5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Ethyltoluene	50	5	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone	NS	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	12	U	68		5	U	5	U	5	U	4.3	J	2.1		9		5	U
Acrylonitrile	5	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	1.2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.34		0.5	U	0.5	U
Bromobenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	1.2	U	0.33	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	5	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	1.2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NS	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	74		2.5	U	2.5	U	23		2.5	U	2.5	U	3.9		2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	1.2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	1.2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl ether	NS	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.79		2.5	U	2.5	U
Hexachlorobutadiene	0.5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	2.3	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA	
p-Ethyltoluene	NS	NA		NA		NA		NA		NA		NA		NA		NA		NA	
p-Isopropyltoluene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	120		2.5	U	0.5	U	3.8		0.5	U	0.71	J	1.9		15		2.5	
Toluene	5	6.2	U	2.4	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.93	J
trans-1,2-Dichloroethene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	1.2	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	6.3		0.5	U	0.5	U	6.2		0.5	U	0.5	U	0.95		0.5	U	0.5	U
Trichlorofluoromethane	5	6.2	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	12	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	15		1	U	1	U	13		1	U	1	U	2		1	U	1	U
Total VOCs	NS	218		96		0		46		0		5		12		24		3	

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidan

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that mee

U - The analyte was analyzed for, but was not detected ab

E - Concentration of analyte exceeds the range of the cali

Highlighted values indicate exceedance of the NYSDEC A

Table 4

SVE System Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Sample Date:	NYSDOH	11/10/2015		11/24/2015		12/2/2015		12/9/2015		12/17/2015		3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017	
Sample Type:	Air Guideline	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Laboratory ID	Values [1]	L1529463-01	L1529463-02	L1531039-01	L1531039-02	L1531648-01	L1531648-02	L1532455-01	L1532455-02	L1533640-01	L1533640-02	L1609182-01	L1609182-02	L1619419-01	L1619419-02	L1629526-01	L1629526-02	L1639639-01	L1639639-02	L1706431-01	L1706431-02
VOCs by TO-15 in µg/m^3																					
1,1,1-Trichloroethane	100 [2]	<10.9	<1.09	<10.9	<1.09	<1.09	<1.09	<3.64	<1.09	<3.64	<1.09	<2.42	<2.26	<1.09	<1.09	<3.64	<1.09	<2.18	<1.09	<1.09	<1.09
1,1,2,2-Tetrachloroethane	NS	<13.7	<1.37	<13.7	<1.37	<1.37	<1.37	<4.58	<1.37	<4.58	<1.37	<3.04	<2.84	<1.37	<1.37	<4.58	<1.37	<2.75	<1.37	<1.37	<1.37
1,1,2- Trichloroethane	NS	<10.9	<1.09	<10.9	<1.09	<1.09	<1.09	<3.64	<1.09	<3.64	<1.09	<2.42	<2.26	<1.09	<1.09	<3.64	<1.09	<2.18	<1.09	<1.09	<1.09
1,1 Dichloroethane	100 [2]	<8.09	<0.809	<8.09	<0.809	<0.809	<0.809	<2.70	<0.809	<2.70	<0.809	<1.79	<1.68	<0.809	<0.809	<2.70	<0.809	<1.62	<0.809	<0.809	<0.809
1,1 Dichloroethene	NS	<7.93	<0.793	<7.93	<0.793	<0.793	<0.793	<2.64	<0.793	<2.64	<0.793	<1.76	<1.64	<0.793	<0.793	<2.64	<0.793	<1.59	<0.793	<0.793	<0.793
1,2,4-Trichlorobenzene	NS	<14.8	<1.48	<14.8	<1.48	<1.48	<1.48	<4.95	<1.48	<4.95	<1.48	<3.29	<3.07	<1.48	<1.48	<4.95	<1.48	<2.97	<1.48	<1.48	<1.48
1,2,4-Trimethylbenzene	NS	<9.83	<0.983	<9.83	<0.983	<0.983	<0.983	<3.28	<0.983	<3.28	<0.983	<2.18	<2.04	<0.983	<0.983	<3.28	<0.983	<1.97	<0.983	<0.983	<0.983
1,2 Dibromoethane	NS	<15.4	<1.54	<15.4	<1.54	<1.54	<1.54	<5.13	<1.54	<5.13	<1.54	<3.40	<3.18	<1.54	<1.54	<5.13	<1.54	<3.07	<1.54	<1.54	<1.54
1,2 Dichlorobenzene	NS	<12.0	<1.20	<12.0	<1.20	<1.20	<1.20	<4.01	<1.20	<4.01	<1.20	<2.66	<2.49	<1.2	<1.2	<4.01	<1.20	<2.4	<1.2	<1.2	<1.2
1,2 Dichloroethane	NS	<8.09	<0.809	<8.09	<0.809	<0.809	<0.809	<2.70	<0.809	<2.70	<0.809	<1.79	<1.68	<0.809	<0.809	<2.70	<0.809	<1.62	<0.809	<0.809	<0.809
1,2 Dichloropropane	NS	<9.24	<0.924	<9.24	<0.924	<0.924	<0.924	<3.08	<0.924	<3.08	<0.924	<2.05	<1.91	<0.924	<0.924	<3.08	<0.924	<1.85	<0.924	<0.924	<0.924
1,3,5-Trimethylbenzene	NS	<9.83	<0.983	<9.83	<0.983	<0.983	<0.983	<3.28	<0.983	<3.28	<0.983	<2.18	<2.04	<0.983	<0.983	<3.28	<0.983	<1.97	<0.983	<0.983	<0.983
1,3 Butadiene	NS	<4.42	<0.442	<4.42	<0.442	<0.442	<0.442	<1.48	<0.442	<1.48	<0.442	<0.980	<0.916	<0.442	<0.442	<1.48	<0.442	<0.885	<0.442	<0.442	<0.442
1,3 Dichlorobenzene	NS	<12.0	<1.20	<12.0	<1.20	<1.20	<1.20	<4.01	<1.20	<4.01	<1.20	<2.66	<2.49	<1.2	<1.2	<4.01	<1.20	<2.4	<1.2	<1.2	<1.2
1,4 Dichlorobenzene	NS	<12.0	<1.20	<12.0	<1.20	<1.20	<1.20	<4.01	<1.20	<4.01	<1.20	<2.66	<2.49	<1.2	<1.2	<4.01	<1.20	<2.4	<1.2	<1.2	<1.2
1,4-Dioxane	NS	<7.21	<0.721	<7.21	<0.721	<0.721	<0.721	<2.40	<0.721	<2.40	<0.721	<1.60	<1.49	<0.721	<0.721	<2.40	<0.721	<1.44	<0.721	<0.721	<0.721
2,2,4-Trimethylpentane	NS	<9.34	<0.934	<9.34	<0.934	1.02	<0.934	<3.12	<0.934	<3.12	<0.934	<2.07	<1.93	<0.934	<0.934	<3.12	<0.934	<1.87	<0.934	<0.934	<0.934
2-Butanone	NS	<14.7	<1.47	<14.7	6.49	<1.47	1.89	<4.93	2.71	<4.93	11.1	<3.27	4.54	1.83	84.3	<4.93	30.7	<2.95	8.73	<1.47	<1.47
2-Hexanone	NS	<8.20	<0.820	<8.20	<0.820	<0.820	<0.820	<2.73	<0.820	<2.73	<0.820	<1.82	<1.70	<0.82	1.84	<2.73	1.04	<1.64	<0.82	<0.82	<0.82
3-Chloropropene	NS	<6.26	<0.626	<6.26	<0.626	<0.626	<0.626	<2.09	<0.626	<2.09	<0.626	<1.39	<1.30	<0.626	<0.626	<2.09	<0.626	<1.25	<0.626	<0.626	<0.626
p-Ethyltoluene	NS	<9.83	<0.983	<9.83	<0.983	<0.983	<0.983	<3.28	<0.983	<3.28	<0.983	<2.18	<2.04	<0.983	<0.983	<3.28	<0.983	<1.97	<0.983	<0.983	<0.983
4-Methyl-2-pentanone	NS	<20.5	<2.05	<20.5	<2.05	<2.05	<2.05	<6.84	<2.05	<6.84	<2.05	<4.55	<4.22	<2.05	<2.05	<6.84	<2.05	<4.1	<2.05	<2.05	<2.05
Acetone	NS	<23.8	<2.38	<23.8	23.4	7.77	33.7	<7.91	28.5	<7.91	72.9	8.2	16.6	19.5	287	<7.91	32.5	<4.75	11	<2.38	8.69
Benzene	NS	<6.39	<0.639	<6.39	1.26	1.4	<0.639	<2.13	<0.639	<2.13	3.09	<1.42	<1.32	<0.639	22.5	<2.13	<0.639	<1.28	<0.639	<0.639	<0.639
Benzyl Chloride	NS	<10.4	<1.04	<10.4	<1.04	<1.04	<1.04	<3.45	<1.04	<3.45	<1.04	<2.29	<2.14	<1.04	<1.04	<3.45	<1.04	<2.07	<1.04	<1.04	<1.04
Bromodichloromethane	NS	<13.4	<1.34	<13.4	<1.34	<1.34	<1.34	<4.47	<1.34	<4.47	<1.34	<2.97	<2.77	<1.34	<1.34	<4.47	<1.34	<2.68	<1.34	<1.34	<1.34
Bromoform	NS	<20.7	<2.07	<20.7	<2.07	<2.07	<2.07	<6.90	<2.07	<6.90	<2.07	<4.58	<4.28	<2.07	<2.07	<6.90	<2.07	<4.14	<2.07	<2.07	<2.07
Bromomethane	NS	<7.77	<0.777	<7.77	<0.777	<0.777	<0.777	<2.59	<0.777	<2.59	<0.777	<1.72	<1.61	<0.777	<0.777	<2.59	<0.777	<1.55	<0.777	<0.777	<0.777
Carbon disulfide	NS	<6.23	<0.623	<6.23	<0.623	<0.623	<0.623	<2.08	<0.623	<2.08	<0.623	<1.38	<1.29	<0.623	<0.623	<2.08	<0.623	<1.25	<0.623	<0.623	<0.623
Carbon Tetrachloride	5 [2]	<12.6	<1.26	<12.6	<1.26	<1.26	<1.26	<4.20	<1.26	<4.20	<1.26	<2.79	<2.60	<1.26	<1.26	<4.20	<1.26	<2.52	<1.26	<1.26	<1.26
Chlorobenzene	NS	<9.21	<0.921	<9.21	<0.921	<0.921	<0.921	<3.07	<0.921	<3.07	<0.921	<2.04	<1.91	<0.921	<0.921	<3.07	<0.921	<1.84	<0.921	<0.921	<0.921
Chloroethane	NS	<5.28	<0.528	<5.28	<0.528	<0.528	<0.528	<1.76	<0.528	<1.76	<0.528	<1.17	<1.09	<0.528	1.64	<1.76	<0.528	<1.06	<0.528	<0.528	<0.528
Chloroform	NS	<9.77	<0.977	<9.77	<0.977	<0.977	<0.977	<3.26	<0.977	<3.26	<0.977	4.4	<2.02	<0.977	2.92	4.44	<0.977	2.6	<0.977	1.32	2.57
Chloromethane	NS	<4.13	0.562	<4.13	<0.413	0.94	0.531	<1.38	<0.413	<1.38	0.737	<0.915	<0.855	1.07	5.35	<1.38	<0.413	<0.826	<0.413	<0.413	<0.413
c-1,2-Dichloroethene	100 [2]	291	<0.793	333	<0.793	44.8	<0.793	130	2.66	129	8.01	57.9	53.5	16.4	76.9	113	<0.793	53.5	41.2	39.5	66.2
c-1,3Dichloropropene	NS	<9.08	<0.908	<9.08	<0.908	<0.908	<0.908	<3.03	<0.908	<3.03	<0.908	<2.01	<1.88	<0.908	<0.908	<3.03	<0.908	<1.82	<0.908	<0.908	<0.908
Cyclohexane	NS	<6.88	<0.688	<6.88	3.79	<0.688	0.75	<2.30	<0.688	<2.30	11.5	<1.52	<1.43	<0.688	88.5	<2.30	<0.688	<1.38	<0.688	<0.688	<0.688
Dibromochloromethane	NS	<17.0	<1.70	<17.0	<1.70	<1.70	<1.70	<5.68	<1.70	<5.68	<1.70	<3.77	<3.53	<1.7	<1.7	<5.68	<1.70	<3.41	<1.7	<1.7	<1.7
Dichlorodifluoromethane (Freon 12)	NS	<9.89	1.11	<9.89	2.61	2.25	2.14	<3.30	1.23	<3.30	2.25	<2.19	<2.05	2.35	2.13	<3.30	3.03	2.62	2.27	1.82	1.82
Ethanol	NS	<94.2	<9.42	<94.2	10.4	24.7	16.4	<31.5	<9.42	<31.5	11.1	<20.9	<19.4	<9.42	35	<31.5	<9.42	<18.8	<9.42	<9.42	<9.42
Ethyl Acetate	NS	<18.0	<1.80	<18.0	<1.80	1.81	<1.80	<6.02	<1.80	<6.02	<1.80	<4.00	<3.71	<1.8	<1.8	<6.02	<1.80	<3.6	<1.8	<1.8	<1.8
Ethyl Benzene	NS	<8.69	<0.869	<8.69	<0.869	<0.869	<0.869	<2.90	<0.869	<2.90	<0.869	<1.92	<1.80	<0.869	<0.869	<2.90	<0.869	<1.74	<0.869	<0.869	<0.869
Freon 113	NS	<15.3	<1.53	<15.3	<1.53	<1.53	<1.53	<5.11	<1.53	<5.11	<1.53	<3.40	<3.17	<1.53	<1.53	<5.11	<1.53	<3.07	<1.53	<1.53	<1.53
Freon 114	NS	<14.0	<1.40	<14.0	<1.40	<1.40	<1.40	<4.66	<1.40	<4.66	<1.40	<3.10	<2.89	<1.4	<1.4	<4.66	<1.40	<2.8	<1.4	<1.4	<1.4
Heptane	NS	<8.20	<0.820	<8.20	<0.820	<0.820	<0.820	<2.73	<0.820	<2.73	<0.820	<1.82	<1.70	<0.82	3.96	<2.73	<0.820	1.64	<0.82	<0.82	<0.82
Hexachlorobutadiene	NS	<21.3	<2.13	<21.3	<2.13	<2.13	<2.13	<7.11	<2.13	<7.11	<2.13	<4.73	<4.42	<2.13	<2.13	<7.11	<2.13	<4.27	<2.13	<2.13	<2.13
Isopropanol	NS	<12.3	<1.23	<12.3	<1.23	3.52	<1.23	<4.10	<1.23	<4.10	3.02	<2.73	<2.53	<1.23	2.05	<4.10	<1.23	<2.46	<1.23	<1.23	<1.23
ter.ButylMethylEther	NS	<7.21	<0.721	<7.21	<0.721	<0.721	<0.721	<2.40	<0.721	<2.40	<0.721	<1.60	<1.49	<0.721	<0.721	<2.40	<0.721	<1.44	<0.721	<0.721	<0.721
Methylene Chloride	60	<17.4	3.75	<17.4	<1.74	<1.74	<1.74	<5.80	<1.74	<5.80	2.81	<3.86	<3.58	<1.74	<1.74	<5.80	<1.74	<3.47	<1.74	10.2	<1.74
n-Hexane	NS	<7.05	<0.705	<7.05	<0.705	0.927	<0.705	<2.35	<0.705	<2.35	<0.705	<1.56	<1.46	<0.705	<0.705	<2.35	<0.705	<1.41	<0.705	<0.705	<0.705
o Xylene	NS	<8.69	<0.869	<8.69	<0.869	<0.869	<0.869	<2.90	<0.869	<2.90	<0.869	<1.92	<1.80	<0.869	<0.869	<2.90	<0.869	<1.74	<0.869	<0.869	<0.869
m + p Xylene	NS	<17.4	<1.74	<17.4	<1.74	<1.74	<1.74	<5.78	<1.74	<5.78	<1.74	<3.85	<3.60	<1.74	<1.74	<5.78	<1.74	<3.47	<1.74	<1.74	<1.74
Styrene	NS	<8.52	<0.852	<8.52	<0.852	<0.852	<0.852	<2.84	<0.852	<2.84	<0.852	<1.89	<1.76	<0.852	<0.852	<2.84	<0.852	<1.7	<0.852	<0.852	<0.852
Tertiary butyl Alcohol	NS	<15.2	<1.52	<15.2	<1.52	3.82	23	<5.06	37.9	<5.06	80.9	<3.36	47.6	<1.52	57	<5.06	12.7	<3.03	4.4	<1.52	<1.52
Tetrachloroethene	100	5,530	<1.36	4,030	<1.36	654	<1.36	1,300	<1.36	1,320	<1.36	593	<2.81	250	<1.36	1,970	<1.36	685	<1.36	394	<1.36
Tetrahydrofuran	NS	<14.7	<1.47	<14.7	<1.47	<1.47	<1.47	<4.93	<1.47	<4.93	<1.47	<3.27	<3.04	<1.47	<1.47	<4.93	<1.47	<2.95	<1.47	<1.47	<1.47
Toluene	NS	<7.54	<0.754	<7.54	5.5	2.8	1.31	<2.51	<0.754	<2.51	6.29	<1.67	<1.56	<0.754	49	<2.51	<0.754	<1.51	<0.754	<0.754	<0.754
t-1,2-Dichloroethene	NS	<7.93	<0.793	<7.93	<0.793	<0.793	<0.793	<2.64	<0.793	<2.64	<0.793	<1.76	<1.64	<0.793	1.29	<2.64	<0.793	<1.59	<0.793	<0.793	1.09
t-1,3Dichloropropene	NS	<9.08	<0.908	<9.08	<0.908	<0.908	<0.908	<3.03	<0.908	<3.03	<0.908	<2.01	<1.88	<0.908	<0.908	<3.03	<0.908	<1.82	<0.908	<0.908	<0.908
Trichloroethene	5	177	<1.07	125	<1.07	22.9	<1.07	57.5	<1.07	59.1	<1.07	30.5	<2.22	14	5.03	91.9	<1.07	25.8	<1.07	17.6	<1.07
Trichlorofluoromethane (Freon 11)	NS	<11.2	<1.12	<11.2	<1.12	1.64	1.24	<3.75	1.56	<3.75	1.88	<2.49	<2.33	1.35	1.82	<3.75	<1.12	<2.25	1.76	1.4	2.28
Vinyl Bromide	NS	<8.74	<0.874	<8.74	<0.874	<0.874	<0.874	<2.92	<0.874	<2.92	<0.874	<1.94	<1.81	<0.874	<0.874	<2.92	<0.874	<1.75	<0.874	<0.874	<0.874
Vinyl Chloride	5 [2]	<5.11	<0.511	<5.11	<0.511	<0.511	1.13	<1.71	<0.511	<1.71	<0.511	<1.13	<1.06	<0.511	<0.511	<1.71	<0.511	<1.02	<0.511	<0.511	<0.511
Total VOCs	NS	5,998	5.42	4,488	53.45	774	82.09	1,488	74.56	1,508	215.59	694	122.24	306.5	728.23	2,179.34	79.97	771.16	69.36	465.84	82.65

Notes:
< - Concentration is less than the reporting limit
Highlighted values indicate detectable concentrations

Table 5

SVE Contaminant Mass Removal
3140 Coney Island Avenue, Brooklyn, New York

Date	SVE Influent TVOCs	Average SVE Flow Rate (CFM)	Average VOC Removal Rate (lb/hr)	TVOCs Removed Over Quarter (lbs)
11/10/15	5,998	120	-	-
11/24/15	4,488	120	0.0024	0.7918
12/02/15	774	120	0.0012	0.2271
12/09/15	1,488	120	0.0005	0.0854
12/17/15	1,508	120	0.0007	0.1293
03/29/16	694	120	0.0005	1.2233
06/22/16	307	120	0.0002	0.4587
09/16/16	2,179	120	0.0006	1.1529
12/06/16	771	120	0.0007	1.2889
03/01/17	465	120	0.0003	0.5667
Total TVOCs Removed since November 10, 2015 (lbs):				**5.9241**

Notes:

The average SVE flow rate is based upon the pressure differential between VI-703 and PI-701 and the Rotron EN 6 blower curve for 60Hz.

CHARTS

Chart 1

Groundwater TVOCs

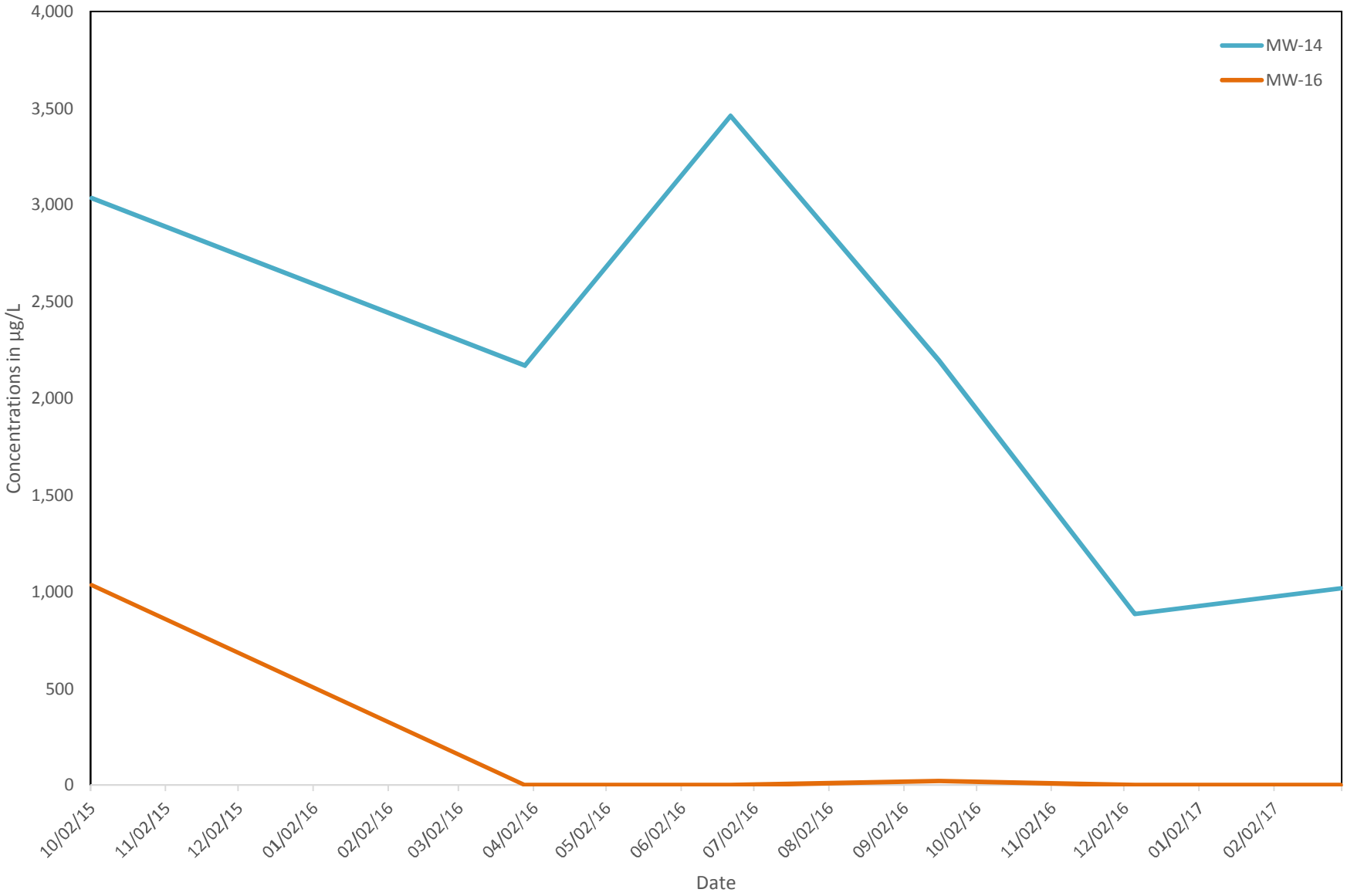


Chart 2

Groundwater TVOCs

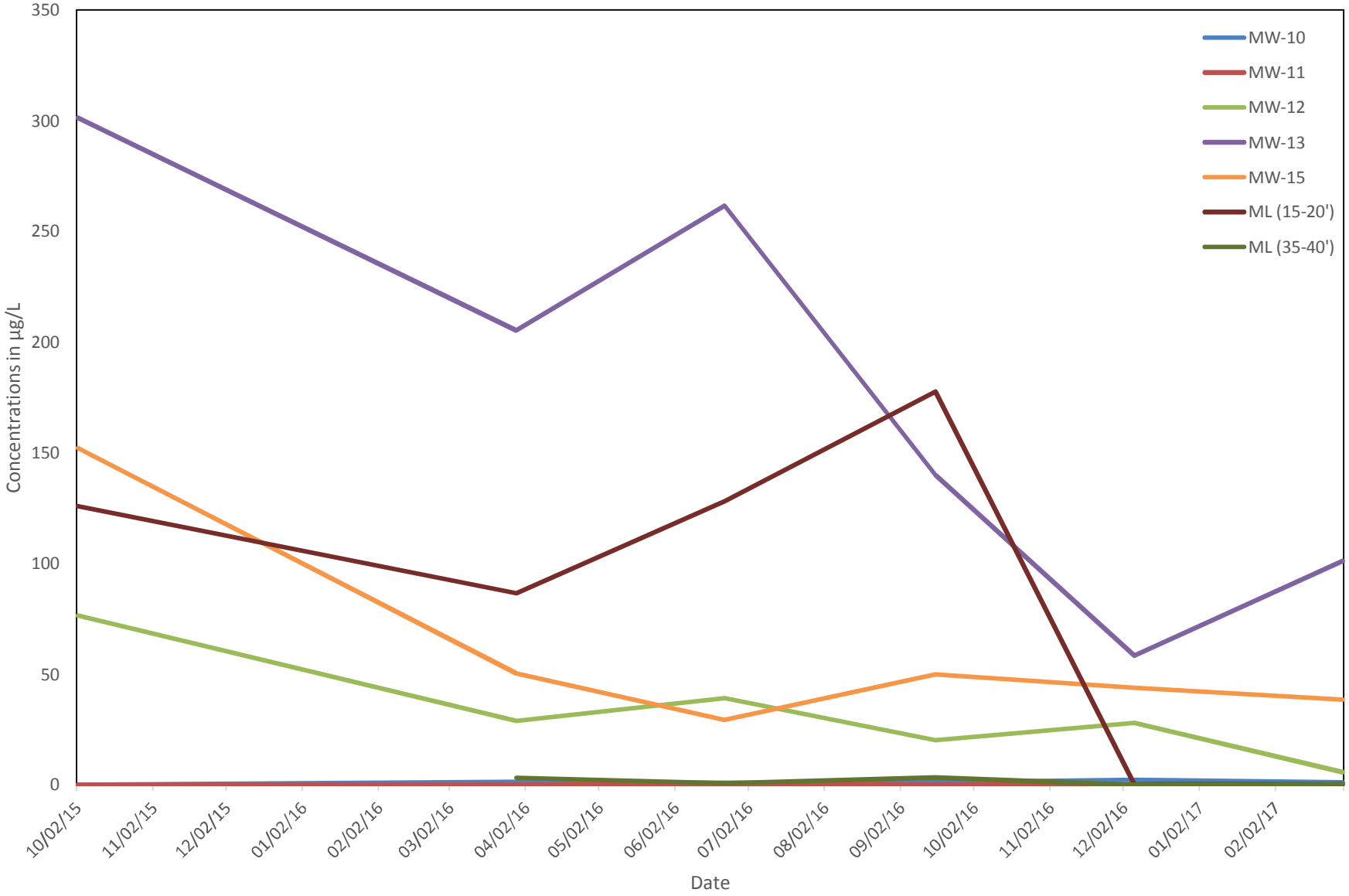
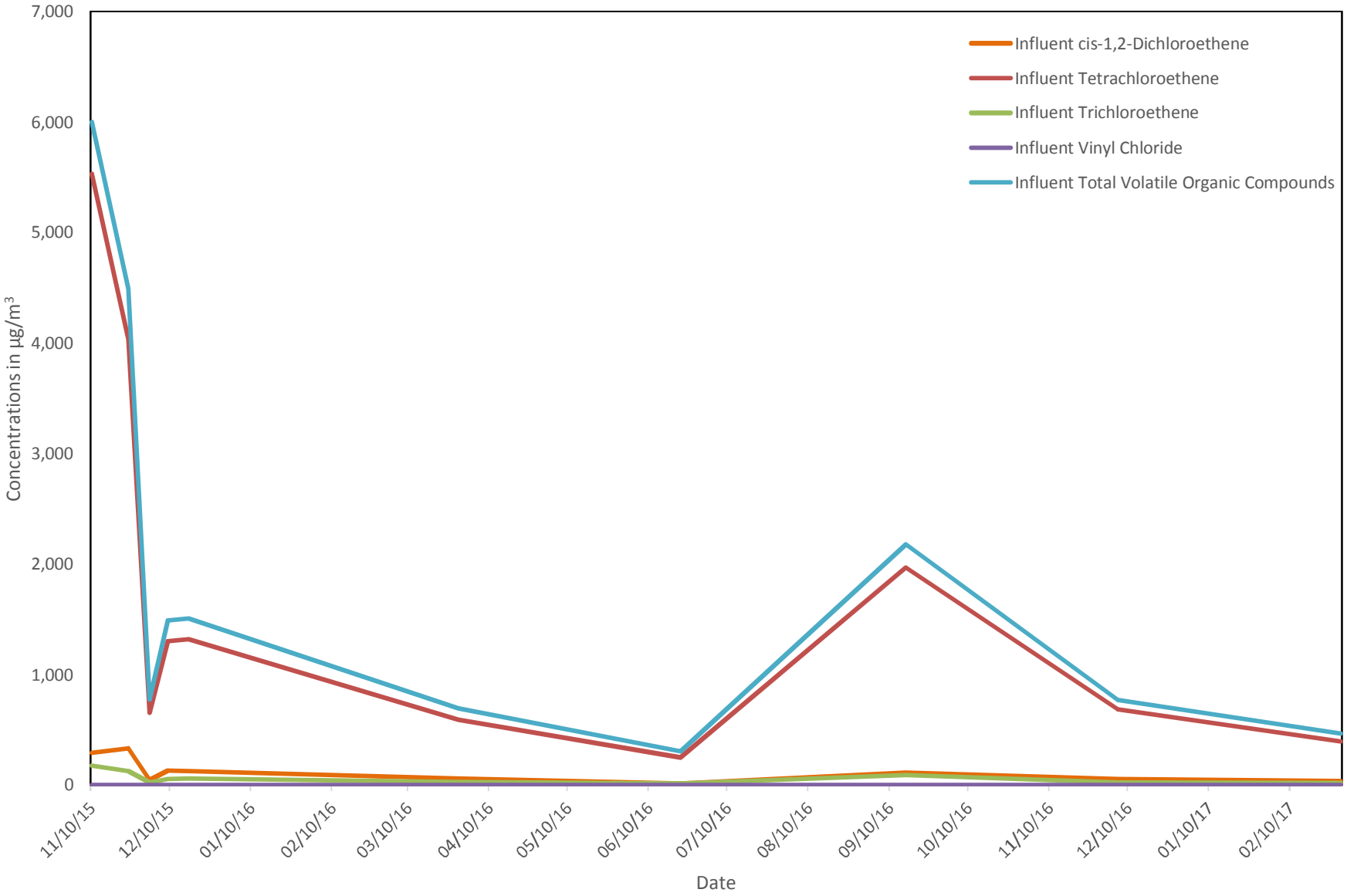


Chart 3

SVE - INFLUENT VOCs



APPENDIX A

Annual / Severe Weather Inspection Form

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell Inspection Time: 14:00

Inspection Date: 3-1-2017 Weather Conditions: 42°F, Light rain

General Site Conditions: Site appears to be in good condition with seen cracks in the concrete floor. System and monitoring points are in good working condition.

SVE System / SSDS Inspection

- Inspect and record gauge readings and instruments for appropriate operating parameters. ✓
- Inspect the moisture separator drum. ✓
- Inspect visible fasteners for integrity. ✓
- Inspect for cleanliness, remove dust and grease on motor housing, inspect air filter. ✓
- Are the indicator lights on the control panel functioning property? ✓

Cover System - Interior

- Any visible cracks or settlement in the ground floors? No ✓
- Any other visible openings (unintended) in the ground floors? No ✓

Cover System – Exterior

- Are there any signs of significant cracks, settlement, or deterioration of paved areas? No ✓
- Has any of the pavement material been removed? No ✓
- Are there any signs of intrusive activities (drilling, digging, trenching, excavating, etc?) No ✓

Monitoring Wells

- Are the flush-mounted caps, protective casings, and well plugs / caps for the groundwater, vacuum, and ISCO (if applicable) monitoring wells secured? Yes ✓

Comments:

Site and all System parts are in good condition with no damage.

Inspector's Signature: Nick Russell

APPENDIX B

ANALYTICAL REPORT

Lab Number:	L1706431
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1601
Project Number:	CIR1601
Report Date:	03/09/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1706431-01	EFFLUENT	SOIL_VAPOR	CONEY ISLAND	03/01/17 15:01	03/02/17
L1706431-02	INFLUENT	SOIL_VAPOR	CONEY ISLAND	03/01/17 15:06	03/02/17
L1706431-03	UNUSED CANISTER 1632	AIR	CONEY ISLAND		03/02/17

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Case Narrative

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

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

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

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

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

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

Project Name: CIR1601 **Lab Number:** L1706431
Project Number: CIR1601 **Report Date:** 03/09/17

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 24, 2017. The canister certification results are provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/09/17

AIR

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706431-01
Client ID: EFFLUENT
Sample Location: CONEY ISLAND
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/07/17 20:09
Analyst: RY

Date Collected: 03/01/17 15:01
Date Received: 03/02/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.66	1.00	--	8.69	2.38	--		1
Trichlorofluoromethane	0.405	0.200	--	2.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.275	0.200	--	1.09	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	16.7	0.200	--	66.2	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: CIR1601 ***Lab Number:*** L1706431

Project Number: CIR1601 ***Report Date:*** 03/09/17

SAMPLE RESULTS

Lab ID: L1706431-01 Date Collected: 03/01/17 15:01

Client ID: EFFLUENT Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.526	0.200	--	2.57	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: CIR1601 **Lab Number:** L1706431

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706431-01 Date Collected: 03/01/17 15:01

Client ID: EFFLUENT Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	129		60-140
Bromochloromethane	111		60-140
chlorobenzene-d5	120		60-140

Project Name: CIR1601
Project Number: CIR1601
Lab Number: L1706431
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706431-02
Client ID: INFLUENT
Sample Location: CONEY ISLAND
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/07/17 20:44
Analyst: RY

Date Collected: 03/01/17 15:06
Date Received: 03/02/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	2.95	0.500	--	10.2	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	9.97	0.200	--	39.5	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: CIR1601 ***Lab Number:*** L1706431

Project Number: CIR1601 ***Report Date:*** 03/09/17

SAMPLE RESULTS

Lab ID: L1706431-02 Date Collected: 03/01/17 15:06

Client ID: INFLUENT Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.270	0.200	--	1.32	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	3.28	0.200	--	17.6	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	58.1	0.200	--	394	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: CIR1601 ***Lab Number:*** L1706431

Project Number: CIR1601 ***Report Date:*** 03/09/17

SAMPLE RESULTS

Lab ID: L1706431-02 Date Collected: 03/01/17 15:06

Client ID: INFLUENT Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	128		60-140
Bromochloromethane	111		60-140
chlorobenzene-d5	116		60-140

Project Name: CIR1601 **Lab Number:** L1706431

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/07/17 13:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG983531-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CIR1601 **Lab Number:** L1706431

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/07/17 13:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG983531-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: CIR1601 **Lab Number:** L1706431

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/07/17 13:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG983531-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG983531-3								
Chlorodifluoromethane	91		-		70-130	-		
Propylene	110		-		70-130	-		
Propane	87		-		70-130	-		
Dichlorodifluoromethane	97		-		70-130	-		
Chloromethane	109		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	110		-		70-130	-		
Methanol	92		-		70-130	-		
Vinyl chloride	110		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Butane	91		-		70-130	-		
Bromomethane	105		-		70-130	-		
Chloroethane	110		-		70-130	-		
Ethyl Alcohol	95		-		70-130	-		
Dichlorofluoromethane	98		-		70-130	-		
Vinyl bromide	101		-		70-130	-		
Acrolein	96		-		70-130	-		
Acetone	113		-		70-130	-		
Acetonitrile	88		-		70-130	-		
Trichlorofluoromethane	102		-		70-130	-		
iso-Propyl Alcohol	95		-		70-130	-		
Acrylonitrile	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG983531-3								
Pentane	86		-		70-130	-		
Ethyl ether	80		-		70-130	-		
1,1-Dichloroethene	94		-		70-130	-		
tert-Butyl Alcohol	80		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	84		-		70-130	-		
Vinyl acetate	107		-		70-130	-		
2-Butanone	89		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Ethyl Acetate	102		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
2,2-Dichloropropane	78		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	103		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG983531-3								
Ethyl-Tert-Butyl-Ether	86		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
1,1-Dichloropropene	97		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	101		-		70-130	-		
Tertiary-Amyl Methyl Ether	78		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Methyl Methacrylate	**131**	Q	-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	99		-		70-130	-		
1,3-Dichloropropane	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG983531-3								
2-Hexanone	104		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
Butyl Acetate	90		-		70-130	-		
Octane	91		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	91		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	96		-		70-130	-		
Nonane (C9)	97		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	124		-		70-130	-		
n-Propylbenzene	78		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG983531-3								
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	101		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	109		-		70-130	-		
Decane (C10)	99		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
sec-Butylbenzene	99		-		70-130	-		
p-Isopropyltoluene	93		-		70-130	-		
1,2-Dichlorobenzene	103		-		70-130	-		
n-Butylbenzene	104		-		70-130	-		
1,2-Dibromo-3-chloropropane	96		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	110		-		70-130	-		
1,2,4-Trichlorobenzene	105		-		70-130	-		
Naphthalene	92		-		70-130	-		
1,2,3-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	102		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG983531-5 QC Sample: L1706455-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.300	0.373	ppbV	22		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.259	0.327	ppbV	23		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	17.0	18.2	ppbV	7		25
Trichlorofluoromethane	0.516	0.579	ppbV	12		25
iso-Propyl Alcohol	1.07	1.15	ppbV	7		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	1.81	1.99	ppbV	9		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	3.23	3.50	ppbV	8		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG983531-5 QC Sample: L1706455-01 Client ID: DUP Sample						
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	0.235	0.268	ppbV	13		25
2-Butanone	2.45	2.59	ppbV	6		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	8.03	8.80	ppbV	9		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	1.05	1.10	ppbV	5		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.359	0.386	ppbV	7		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	1.26	1.39	ppbV	10		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	6.18	6.44	ppbV	4		25
Heptane	0.622	0.638	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG983531-5 QC Sample: L1706455-01 Client ID: DUP Sample						
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	2.70	2.94	ppbV	9		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	3.86	4.18	ppbV	8		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.566	0.627	ppbV	10		25
p/m-Xylene	2.04	2.24	ppbV	9		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.646	0.702	ppbV	8		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.441	0.470	ppbV	6		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG983531-5 QC Sample: L1706455-01 Client ID: DUP Sample						
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: CIR1601 **Lab Number:** L1706431

Project Number: CIR1601 **Report Date:** 03/09/17

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1706431-01	EFFLUENT	1736	2.7L Can	02/24/17	237373	L1704418-01	Pass	-29.2	-0.4	-	-	-	-
L1706431-02	INFLUENT	353	2.7L Can	02/24/17	237373	L1704418-02	Pass	-29.2	-1.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/13/17 22:57
Analyst: MB

Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1704418

Project Number: CANISTER QC BAT **Report Date:** 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01 Date Collected: 02/10/17 16:00

Client ID: CAN 1736 SHELF 1 Date Received: 02/12/17

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	101		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/13/17 22:57
Analyst: MB

Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:

Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-01
Client ID: CAN 1736 SHELF 1
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	103		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02
Client ID: CAN 353 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/13/17 23:31
Analyst: MB

Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02
Client ID: CAN 353 SHELF 7
Sample Location:

Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1704418

Project Number: CANISTER QC BAT **Report Date:** 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02 Date Collected: 02/10/17 16:00

Client ID: CAN 353 SHELF 7 Date Received: 02/12/17

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1704418

Project Number: CANISTER QC BAT **Report Date:** 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02 Date Collected: 02/10/17 16:00

Client ID: CAN 353 SHELF 7 Date Received: 02/12/17

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02
Client ID: CAN 353 SHELF 7
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1704418

Project Number: CANISTER QC BAT **Report Date:** 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02
Client ID: CAN 353 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/13/17 23:31
Analyst: MB

Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02
Client ID: CAN 353 SHELF 7
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1704418
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1704418-02
Client ID: CAN 353 SHELF 7
Sample Location:
Date Collected: 02/10/17 16:00
Date Received: 02/12/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1705285
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02
Client ID: CAN 985 SHELF 58
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/21/17 16:50
Analyst: RY

Date Collected: 02/20/17 16:00
Date Received: 02/21/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1705285
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02
Client ID: CAN 985 SHELF 58
Sample Location:
Date Collected: 02/20/17 16:00
Date Received: 02/21/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1705285

Project Number: CANISTER QC BAT **Report Date:** 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02 Date Collected: 02/20/17 16:00

Client ID: CAN 985 SHELF 58 Date Received: 02/21/17

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1705285

Project Number: CANISTER QC BAT **Report Date:** 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02 Date Collected: 02/20/17 16:00

Client ID: CAN 985 SHELF 58 Date Received: 02/21/17

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1705285
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02
Client ID: CAN 985 SHELF 58
Sample Location:
Date Collected: 02/20/17 16:00
Date Received: 02/21/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1705285
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02
Client ID: CAN 985 SHELF 58
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/21/17 16:50
Analyst: RY

Date Collected: 02/20/17 16:00
Date Received: 02/21/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1705285
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02
Client ID: CAN 985 SHELF 58
Sample Location:
Date Collected: 02/20/17 16:00
Date Received: 02/21/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1705285
Report Date: 03/09/17

Air Canister Certification Results

Lab ID: L1705285-02
Client ID: CAN 985 SHELF 58
Sample Location:

Date Collected: 02/20/17 16:00
Date Received: 02/21/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706431
Report Date: 03/09/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1706431-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1706431-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1706431-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1706431
Project Number:	CIR1601	**Report Date:**	03/09/17

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1706431
Project Number:	CIR1601	**Report Date:**	03/09/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1706431
Project Number:	CIR1601	**Report Date:**	03/09/17

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/3/17

ALPHA Job #: L1706431

Client Information

Client: PWGC
Address: 68 Johnson Ave St. 7
Bohemia NY, 11716
Phone: 631-589-6353
Fax:
Email: JLewis@pwgroup.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CIR1601
Project Location: Coney Island
Project #: CIR1601
Project Manager: Jennifer Lewis
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
6431-01	Effluent	3/1	15:00	15:01	-29.2		~~SV~~ AA	NR		1736	-	X					
-02	Influent	3/1	15:07	15:8	-29.2	-4.0	SV	NR		353	-	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	2-1-17 7:00		
Paul Stevens AAL	3/2/17 14:47		3/2/17 1630
	3-3-17 0245		3/3/17 02:45

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L1706520
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1601
Project Number:	CIR1601
Report Date:	03/09/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1706520-01	MW-11	WATER	CONEY ISLAND	03/01/17 10:30	03/02/17
L1706520-02	MW-10	WATER	CONEY ISLAND	03/01/17 11:00	03/02/17
L1706520-03	MW-12	WATER	CONEY ISLAND	03/01/17 11:55	03/02/17
L1706520-04	MW-13	WATER	CONEY ISLAND	03/01/17 12:16	03/02/17
L1706520-05	MW-14	WATER	CONEY ISLAND	03/01/17 12:50	03/02/17
L1706520-06	MLW 15-20	WATER	CONEY ISLAND	03/01/17 13:20	03/02/17
L1706520-07	MLW 35-40	WATER	CONEY ISLAND	03/01/17 13:45	03/02/17
L1706520-08	MW-15	WATER	CONEY ISLAND	03/01/17 14:10	03/02/17
L1706520-09	DUPE	WATER	CONEY ISLAND	03/01/17 00:00	03/02/17
L1706520-10	FIELD BLANK	WATER	CONEY ISLAND	03/01/17 14:30	03/02/17
L1706520-11	TRIP BLANK	WATER	CONEY ISLAND	02/24/17 00:00	03/02/17

Project Name:	CIR1601	**Lab Number:**	L1706520
Project Number:	CIR1601	**Report Date:**	03/09/17

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name:	CIR1601	**Lab Number:**	L1706520
Project Number:	CIR1601	**Report Date:**	03/09/17

Case Narrative (continued)

Report Submission

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

Sample Receipt

L1706520-11: A Trip Blank was received in the laboratory, but not listed on the Chain of Custody. At the client's request, the Trip Blank was analyzed.

Volatile Organics

L1706520-08: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (141%); however, the sample was not re-analyzed due to coelution with obvious interferences. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

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

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 03/09/17

ORGANICS

VOLATILES

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-01
Client ID: MW-11
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 15:25
Analyst: PK

Date Collected: 03/01/17 10:30
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-01 Date Collected: 03/01/17 10:30

Client ID: MW-11 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-01 Date Collected: 03/01/17 10:30

Client ID: MW-11 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-02
Client ID: MW-10
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 15:53
Analyst: PK

Date Collected: 03/01/17 11:00
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.78	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.39	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-02 Date Collected: 03/01/17 11:00

Client ID: MW-10 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-02 Date Collected: 03/01/17 11:00

Client ID: MW-10 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	109		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-03
Client ID: MW-12
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 16:21
Analyst: PK

Date Collected: 03/01/17 11:55
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.57		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-03 Date Collected: 03/01/17 11:55

Client ID: MW-12 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.1	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.1	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-03 Date Collected: 03/01/17 11:55

Client ID: MW-12 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-04
Client ID: MW-13
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 16:49
Analyst: PK

Date Collected: 03/01/17 12:16
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	1.4	J	ug/l	1.5	0.50	1
Tetrachloroethene	3.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.96		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	2.0	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	66		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
Trichloroethene	2.4		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-04 Date Collected: 03/01/17 12:16

Client ID: MW-13 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	1.4	J	ug/l	2.5	0.70	1
Xylenes, Total	1.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	20	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.2	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-04 Date Collected: 03/01/17 12:16

Client ID: MW-13 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	2.2		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-05 D
Client ID: MW-14
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 17:44
Analyst: PK

Date Collected: 03/01/17 12:50
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	7.0	J	ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	39		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	300		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	11		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-05 D Date Collected: 03/01/17 12:50
Client ID: MW-14 Date Received: 03/02/17
Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	660		ug/l	25	7.0	10
1,2-Dichloroethene, Total	660		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-05 D
Client ID: MW-14
Sample Location: CONEY ISLAND

Date Collected: 03/01/17 12:50
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-06
Client ID: MLW 15-20
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 17:17
Analyst: PK

Date Collected: 03/01/17 13:20
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.23	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.21	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-06 Date Collected: 03/01/17 13:20

Client ID: MLW 15-20 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-06 Date Collected: 03/01/17 13:20

Client ID: MLW 15-20 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	107		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-07
Client ID: MLW 35-40
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/17 10:05
Analyst: PD

Date Collected: 03/01/17 13:45
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.26	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.29	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-07 Date Collected: 03/01/17 13:45

Client ID: MLW 35-40 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-07 Date Collected: 03/01/17 13:45

Client ID: MLW 35-40 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-08
Client ID: MW-15
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/17 10:28
Analyst: PD

Date Collected: 03/01/17 14:10
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.96		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.2	J	ug/l	2.5	0.70	1
Trichloroethene	3.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-08 Date Collected: 03/01/17 14:10

Client ID: MW-15 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	20	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-08 Date Collected: 03/01/17 14:10

Client ID: MW-15 Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	3.0		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	**141**	Q	70-130
Dibromofluoromethane	114		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-09 D
Client ID: DUPE
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 18:12
Analyst: PK

Date Collected: 03/01/17 00:00
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	38		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	390		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	1.8	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	11		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-09 D Date Collected: 03/01/17 00:00

Client ID: DUPE Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	900		ug/l	25	7.0	10
1,2-Dichloroethene, Total	900		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-09 D Date Collected: 03/01/17 00:00

Client ID: DUPE Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-10
Client ID: FIELD BLANK
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/06/17 14:58
Analyst: PK

Date Collected: 03/01/17 14:30
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-10 Date Collected: 03/01/17 14:30

Client ID: FIELD BLANK Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-10 Date Collected: 03/01/17 14:30

Client ID: FIELD BLANK Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	110		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-11
Client ID: TRIP BLANK
Sample Location: CONEY ISLAND
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/08/17 14:36
Analyst: PD

Date Collected: 02/24/17 00:00
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-11 Date Collected: 02/24/17 00:00

Client ID: TRIP BLANK Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

SAMPLE RESULTS

Lab ID: L1706520-11 Date Collected: 02/24/17 00:00

Client ID: TRIP BLANK Date Received: 03/02/17

Sample Location: CONEY ISLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/06/17 10:20
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,09-10 Batch: WG983232-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/06/17 10:20
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,09-10 Batch: WG983232-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/06/17 10:20
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,09-10 Batch: WG983232-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	104		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/08/17 11:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG983905-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/08/17 11:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG983905-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/08/17 11:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG983905-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/17 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG984208-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/17 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG984208-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CIR1601 **Lab Number:** L1706520

Project Number: CIR1601 **Report Date:** 03/09/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/17 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG984208-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 Batch: WG983232-3 WG983232-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		99		70-130	11		20
Carbon tetrachloride	110		96		63-132	14		20
1,2-Dichloropropane	100		96		70-130	4		20
Dibromochloromethane	97		90		63-130	7		20
1,1,2-Trichloroethane	100		96		70-130	4		20
Tetrachloroethene	110		96		70-130	14		20
Chlorobenzene	110		94		75-130	16		20
Trichlorofluoromethane	110		97		62-150	13		20
1,2-Dichloroethane	100		92		70-130	8		20
1,1,1-Trichloroethane	110		98		67-130	12		20
Bromodichloromethane	96		89		67-130	8		20
trans-1,3-Dichloropropene	95		88		70-130	8		20
cis-1,3-Dichloropropene	87		81		70-130	7		20
1,1-Dichloropropene	110		96		70-130	14		20
Bromoform	94		87		54-136	8		20
1,1,2,2-Tetrachloroethane	98		93		67-130	5		20
Benzene	100		94		70-130	6		20
Toluene	120		100		70-130	18		20
Ethylbenzene	110		98		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1706520

Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 Batch: WG983232-3 WG983232-4								
Chloromethane	100		94		64-130	6		20
Bromomethane	58		53		39-139	9		20
Vinyl chloride	140		120		55-140	15		20
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		96		70-130	14		20
1,2-Dichlorobenzene	100		91		70-130	9		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	100		93		70-130	7		20
Methyl tert butyl ether	78		80		63-130	3		20
p/m-Xylene	105		95		70-130	10		20
o-Xylene	100		90		70-130	11		20
cis-1,2-Dichloroethene	100		91		70-130	9		20
Dibromomethane	86		80		70-130	7		20
1,2,3-Trichloropropane	99		90		64-130	10		20
Acrylonitrile	93		88		70-130	6		20
Styrene	95		85		70-130	11		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	110		100		58-148	10		20
Carbon disulfide	**140**	Q	110		51-130	**24**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 Batch: WG983232-3 WG983232-4								
2-Butanone	74		69		63-138	7		20
Vinyl acetate	93		86		70-130	8		20
4-Methyl-2-pentanone	73		69		59-130	6		20
2-Hexanone	65		62		57-130	5		20
Bromochloromethane	92		84		70-130	9		20
2,2-Dichloropropane	99		89		63-133	11		20
1,2-Dibromoethane	92		86		70-130	7		20
1,3-Dichloropropane	98		91		70-130	7		20
1,1,1,2-Tetrachloroethane	100		96		64-130	4		20
Bromobenzene	100		93		70-130	7		20
n-Butylbenzene	97		82		53-136	17		20
sec-Butylbenzene	110		93		70-130	17		20
tert-Butylbenzene	90		78		70-130	14		20
o-Chlorotoluene	120		100		70-130	18		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	77		73		41-144	5		20
Hexachlorobutadiene	100		86		63-130	15		20
Isopropylbenzene	120		100		70-130	18		20
p-Isopropyltoluene	97		84		70-130	14		20
Naphthalene	82		74		70-130	10		20
n-Propylbenzene	120		100		69-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 Batch: WG983232-3 WG983232-4								
1,2,3-Trichlorobenzene	82		75		70-130	9		20
1,2,4-Trichlorobenzene	87		77		70-130	12		20
1,3,5-Trimethylbenzene	110		97		64-130	13		20
1,2,4-Trimethylbenzene	110		95		70-130	15		20
1,4-Dioxane	78		78		56-162	0		20
p-Diethylbenzene	98		84		70-130	15		20
p-Ethyltoluene	110		98		70-130	12		20
1,2,4,5-Tetramethylbenzene	130		120		70-130	8		20
Ethyl ether	99		91		59-134	8		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG983905-3 WG983905-4								
Methylene chloride	82		79		70-130	4		20
1,1-Dichloroethane	88		84		70-130	5		20
Chloroform	89		85		70-130	5		20
Carbon tetrachloride	74		74		63-132	0		20
1,2-Dichloropropane	89		87		70-130	2		20
Dibromochloromethane	89		88		63-130	1		20
1,1,2-Trichloroethane	90		92		70-130	2		20
Tetrachloroethene	79		74		70-130	7		20
Chlorobenzene	87		87		75-130	0		20
Trichlorofluoromethane	63		**60**	Q	62-150	5		20
1,2-Dichloroethane	89		85		70-130	5		20
1,1,1-Trichloroethane	83		80		67-130	4		20
Bromodichloromethane	94		90		67-130	4		20
trans-1,3-Dichloropropene	82		86		70-130	5		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
1,1-Dichloropropene	86		82		70-130	5		20
Bromoform	64		69		54-136	8		20
1,1,2,2-Tetrachloroethane	89		90		67-130	1		20
Benzene	90		87		70-130	3		20
Toluene	84		82		70-130	2		20
Ethylbenzene	86		84		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG983905-3 WG983905-4								
Chloromethane	81		79		64-130	3		20
Bromomethane	92		90		39-139	2		20
Vinyl chloride	79		73		55-140	8		20
Chloroethane	83		83		55-138	0		20
1,1-Dichloroethene	78		71		61-145	9		20
trans-1,2-Dichloroethene	82		78		70-130	5		20
Trichloroethene	79		80		70-130	1		20
1,2-Dichlorobenzene	93		89		70-130	4		20
1,3-Dichlorobenzene	83		79		70-130	5		20
1,4-Dichlorobenzene	86		85		70-130	1		20
Methyl tert butyl ether	90		87		63-130	3		20
p/m-Xylene	85		80		70-130	6		20
o-Xylene	75		75		70-130	0		20
cis-1,2-Dichloroethene	85		86		70-130	1		20
Dibromomethane	85		85		70-130	0		20
1,2,3-Trichloropropane	80		80		64-130	0		20
Acrylonitrile	74		82		70-130	10		20
Styrene	85		80		70-130	6		20
Dichlorodifluoromethane	62		60		36-147	3		20
Acetone	92		87		58-148	6		20
Carbon disulfide	77		73		51-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1706520

Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG983905-3 WG983905-4								
2-Butanone	110		110		63-138	0		20
Vinyl acetate	81		80		70-130	1		20
4-Methyl-2-pentanone	82		76		59-130	8		20
2-Hexanone	83		83		57-130	0		20
Bromochloromethane	82		81		70-130	1		20
2,2-Dichloropropane	81		78		63-133	4		20
1,2-Dibromoethane	92		93		70-130	1		20
1,3-Dichloropropane	90		89		70-130	1		20
1,1,1,2-Tetrachloroethane	81		80		64-130	1		20
Bromobenzene	84		82		70-130	2		20
n-Butylbenzene	89		83		53-136	7		20
sec-Butylbenzene	86		82		70-130	5		20
tert-Butylbenzene	83		82		70-130	1		20
o-Chlorotoluene	85		82		70-130	4		20
p-Chlorotoluene	84		82		70-130	2		20
1,2-Dibromo-3-chloropropane	93		96		41-144	3		20
Hexachlorobutadiene	90		84		63-130	7		20
Isopropylbenzene	87		86		70-130	1		20
p-Isopropyltoluene	84		81		70-130	4		20
Naphthalene	120		110		70-130	9		20
n-Propylbenzene	89		86		69-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG983905-3 WG983905-4								
1,2,3-Trichlorobenzene	110		100		70-130	10		20
1,2,4-Trichlorobenzene	96		95		70-130	1		20
1,3,5-Trimethylbenzene	85		82		64-130	4		20
1,2,4-Trimethylbenzene	86		83		70-130	4		20
1,4-Dioxane	74		76		56-162	3		20
p-Diethylbenzene	85		80		70-130	6		20
p-Ethyltoluene	86		84		70-130	2		20
1,2,4,5-Tetramethylbenzene	85		82		70-130	4		20
Ethyl ether	93		89		59-134	4		20
trans-1,4-Dichloro-2-butene	86		80		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG984208-3 WG984208-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	95		95		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	89		90		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	97		95		54-136	2		20
1,1,2,2-Tetrachloroethane	86		84		67-130	2		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG984208-3 WG984208-4								
Chloromethane	92		94		64-130	2		20
Bromomethane	82		86		39-139	5		20
Vinyl chloride	93		96		55-140	3		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	84		82		64-130	2		20
Acrylonitrile	91		94		70-130	3		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	87		84		58-148	4		20
Carbon disulfide	94		100		51-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG984208-3 WG984208-4								
2-Butanone	92		89		63-138	3		20
Vinyl acetate	90		90		70-130	0		20
4-Methyl-2-pentanone	61		63		59-130	3		20
2-Hexanone	64		66		57-130	3		20
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	98		98		70-130	0		20
1,3-Dichloropropane	97		96		70-130	1		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	86		88		53-136	2		20
sec-Butylbenzene	86		89		70-130	3		20
tert-Butylbenzene	88		92		70-130	4		20
o-Chlorotoluene	94		95		70-130	1		20
p-Chlorotoluene	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	79		79		41-144	0		20
Hexachlorobutadiene	110		120		63-130	9		20
Isopropylbenzene	89		92		70-130	3		20
p-Isopropyltoluene	89		91		70-130	2		20
Naphthalene	**51**	Q	**52**	Q	70-130	2		20
n-Propylbenzene	88		90		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG984208-3 WG984208-4								
1,2,3-Trichlorobenzene	**63**	Q	**64**	Q	70-130	2		20
1,2,4-Trichlorobenzene	70		72		70-130	3		20
1,3,5-Trimethylbenzene	91		92		64-130	1		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
1,4-Dioxane	76		80		56-162	5		20
p-Diethylbenzene	86		90		70-130	5		20
p-Ethyltoluene	92		93		70-130	1		20
1,2,4,5-Tetramethylbenzene	74		76		70-130	3		20
Ethyl ether	94		98		59-134	4		20
trans-1,4-Dichloro-2-butene	86		83		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		108		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	110		110		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 QC Batch ID: WG983232-6 WG983232-7 QC Sample: L1706520-05 Client ID: MW-14												
Methylene chloride	7.0J	100	100	100		110	110		70-130	10		20
1,1-Dichloroethane	ND	100	100	100		120	120		70-130	18		20
Chloroform	ND	100	100	100		110	110		70-130	10		20
Carbon tetrachloride	ND	100	100	100		110	110		63-132	10		20
1,2-Dichloropropane	ND	100	100	100		110	110		70-130	10		20
Dibromochloromethane	ND	100	93	93		100	100		63-130	7		20
1,1,2-Trichloroethane	ND	100	100	100		110	110		70-130	10		20
Tetrachloroethene	39	100	130	91		140	101		70-130	7		20
Chlorobenzene	ND	100	98	98		110	110		75-130	12		20
Trichlorofluoromethane	ND	100	100	100		110	110		62-150	10		20
1,2-Dichloroethane	ND	100	100	100		110	110		70-130	10		20
1,1,1-Trichloroethane	ND	100	100	100		110	110		67-130	10		20
Bromodichloromethane	ND	100	93	93		100	100		67-130	7		20
trans-1,3-Dichloropropene	ND	100	91	91		100	100		70-130	9		20
cis-1,3-Dichloropropene	ND	100	76	76		87	87		70-130	13		20
1,1-Dichloropropene	ND	100	100	100		110	110		70-130	10		20
Bromoform	ND	100	86	86		96	96		54-136	11		20
1,1,2,2-Tetrachloroethane	ND	100	97	97		110	110		67-130	13		20
Benzene	ND	100	98	98		110	110		70-130	12		20
Toluene	ND	100	100	100		110	110		70-130	10		20
Ethylbenzene	ND	100	100	100		110	110		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 QC Batch ID: WG983232-6 WG983232-7 QC Sample: L1706520-05 Client ID: MW-14												
Chloromethane	ND	100	100	100		110	110		64-130	10		20
Bromomethane	ND	100	22J	**22**	Q	35	**35**	Q	39-139	**46**	Q	20
Vinyl chloride	300	100	410	110		420	120		55-140	2		20
Chloroethane	ND	100	130	130		140	**140**	Q	55-138	7		20
1,1-Dichloroethene	ND	100	100	100		110	110		61-145	10		20
trans-1,2-Dichloroethene	ND	100	100	100		110	110		70-130	10		20
Trichloroethene	11	100	110	99		120	109		70-130	9		20
1,2-Dichlorobenzene	ND	100	91	91		100	100		70-130	9		20
1,3-Dichlorobenzene	ND	100	94	94		100	100		70-130	6		20
1,4-Dichlorobenzene	ND	100	92	92		100	100		70-130	8		20
Methyl tert butyl ether	ND	100	78	78		87	87		63-130	11		20
p/m-Xylene	ND	200	200	100		220	110		70-130	10		20
o-Xylene	ND	200	180	90		200	100		70-130	11		20
cis-1,2-Dichloroethene	660	100	740	80		750	90		70-130	1		20
Dibromomethane	ND	100	87	87		95	95		70-130	9		20
1,2,3-Trichloropropane	ND	100	96	96		100	100		64-130	4		20
Acrylonitrile	ND	100	100	100		110	110		70-130	10		20
Styrene	ND	200	180	90		200	100		70-130	11		20
Dichlorodifluoromethane	ND	100	120	120		130	130		36-147	8		20
Acetone	ND	100	110	110		120	120		58-148	9		20
Carbon disulfide	ND	100	90	90		98	98		51-130	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 QC Batch ID: WG983232-6 WG983232-7 QC Sample: L1706520-05 Client ID: MW-14												
2-Butanone	ND	100	88	88		96	96		63-138	9		20
Vinyl acetate	ND	100	98	98		110	110		70-130	12		20
4-Methyl-2-pentanone	ND	100	82	82		88	88		59-130	7		20
2-Hexanone	ND	100	72	72		84	84		57-130	15		20
Bromochloromethane	ND	100	90	90		100	100		70-130	11		20
2,2-Dichloropropane	ND	100	90	90		98	98		63-133	9		20
1,2-Dibromoethane	ND	100	92	92		99	99		70-130	7		20
1,3-Dichloropropane	ND	100	97	97		100	100		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	100	96	96		100	100		64-130	4		20
Bromobenzene	ND	100	92	92		100	100		70-130	8		20
n-Butylbenzene	ND	100	86	86		96	96		53-136	11		20
sec-Butylbenzene	ND	100	96	96		110	110		70-130	14		20
tert-Butylbenzene	ND	100	79	79		88	88		70-130	11		20
o-Chlorotoluene	ND	100	100	100		110	110		70-130	10		20
p-Chlorotoluene	ND	100	100	100		110	110		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	100	75	75		85	85		41-144	13		20
Hexachlorobutadiene	ND	100	84	84		96	96		63-130	13		20
Isopropylbenzene	ND	100	98	98		110	110		70-130	12		20
p-Isopropyltoluene	ND	100	84	84		95	95		70-130	12		20
Naphthalene	ND	100	81	81		92	92		70-130	13		20
n-Propylbenzene	ND	100	100	100		110	110		69-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,09-10 QC Batch ID: WG983232-6 WG983232-7 QC Sample: L1706520-05 Client ID: MW-14												
1,2,3-Trichlorobenzene	ND	100	80	80		89	89		70-130	11		20
1,2,4-Trichlorobenzene	ND	100	78	78		88	88		70-130	12		20
1,3,5-Trimethylbenzene	ND	100	98	98		110	110		64-130	12		20
1,2,4-Trimethylbenzene	ND	100	94	94		100	100		70-130	6		20
1,4-Dioxane	ND	5000	3800	76		5200	104		56-162	**31**	Q	20
p-Diethylbenzene	ND	100	86	86		96	96		70-130	11		20
p-Ethyltoluene	ND	100	98	98		110	110		70-130	12		20
1,2,4,5-Tetramethylbenzene	ND	100	110	110		130	130		70-130	17		20
Ethyl ether	ND	100	91	91		100	100		59-134	9		20
trans-1,4-Dichloro-2-butene	ND	100	100	100		110	110		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	102		100		70-130
Toluene-d8	106		105		70-130

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1706520-01A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-01B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-01C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-02A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-02B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-02C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-03A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-03B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-03C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-04A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-04B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-04C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05A1	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05A2	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05B1	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05B2	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05C1	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-05C2	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-06A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-06B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-06C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-07A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-07B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-07C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-08A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-08B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1706520
Report Date: 03/09/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1706520-08C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-09A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-09B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-09C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-10A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-10B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-10C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-11A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1706520-11B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1706520
Project Number:	CIR1601	**Report Date:**	03/09/17

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1706520
Project Number:	CIR1601	**Report Date:**	03/09/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1706520
Project Number:	CIR1601	**Report Date:**	03/09/17

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 3/2/17

ALPHA Job #: L1706520

Client Information

Client: PWGC
Address: 630 Johnson ave
Suite Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: JLewis@pwgcorp.com

Project Information

Project Name: CER1601
Project Location: Carey Island
Project #: CER1601
(Use Project name as Project #) ☒
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments
06520 01	MW-11	3/1	10:30	GW	MR	5	
02	MW-10		11:06		MR	8	
03	MW-12		11:55		MR	7	
04	MW-13		12:16		MR	7	
05	MW-14		12:50		MR	8	
05	MW-14MS		12:50		MR	7	
05	MW-14MSD		12:50		MR	8	
06	MCW15-20		13:20		MR	8	
07	MCW35-40		13:40		MR	8	
08	MW-15	↓	14:10	↓	MR	8	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3-1 12pm	[illegible]	3/2/17 10:55
[illegible]	3/2/17 14:47	[illegible]	3-2-17 1800
[illegible]	3-2-17 2315	[illegible]	3/2/17 2315

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 2 of 2

Date Rec'd in Lab: 3/2/17

ALPHA Job #: L1706520

Client Information
Client: PWGC
Address: 633 Johnson Ave Ste 2 Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: JLewis@pwgeosci.com

Project Information
Project Name: CIR1601
Project Location: Corey Island
Project #: CIR1601
(Use Project name as Project #) ☒
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

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

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Bottle	Sample Specific Comments
06520 09	Dupe	3/1	XX	GW	NK	6		
10	Field Blank	3/1	14:30		NK	3		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3-1 17:00	[illegible]	3/3/17 10:55
[illegible]	3/3/17 14:47	[illegible]	3-2-17 1800
[illegible]	3-2-17 2315	[illegible]	3/2/17 23K

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

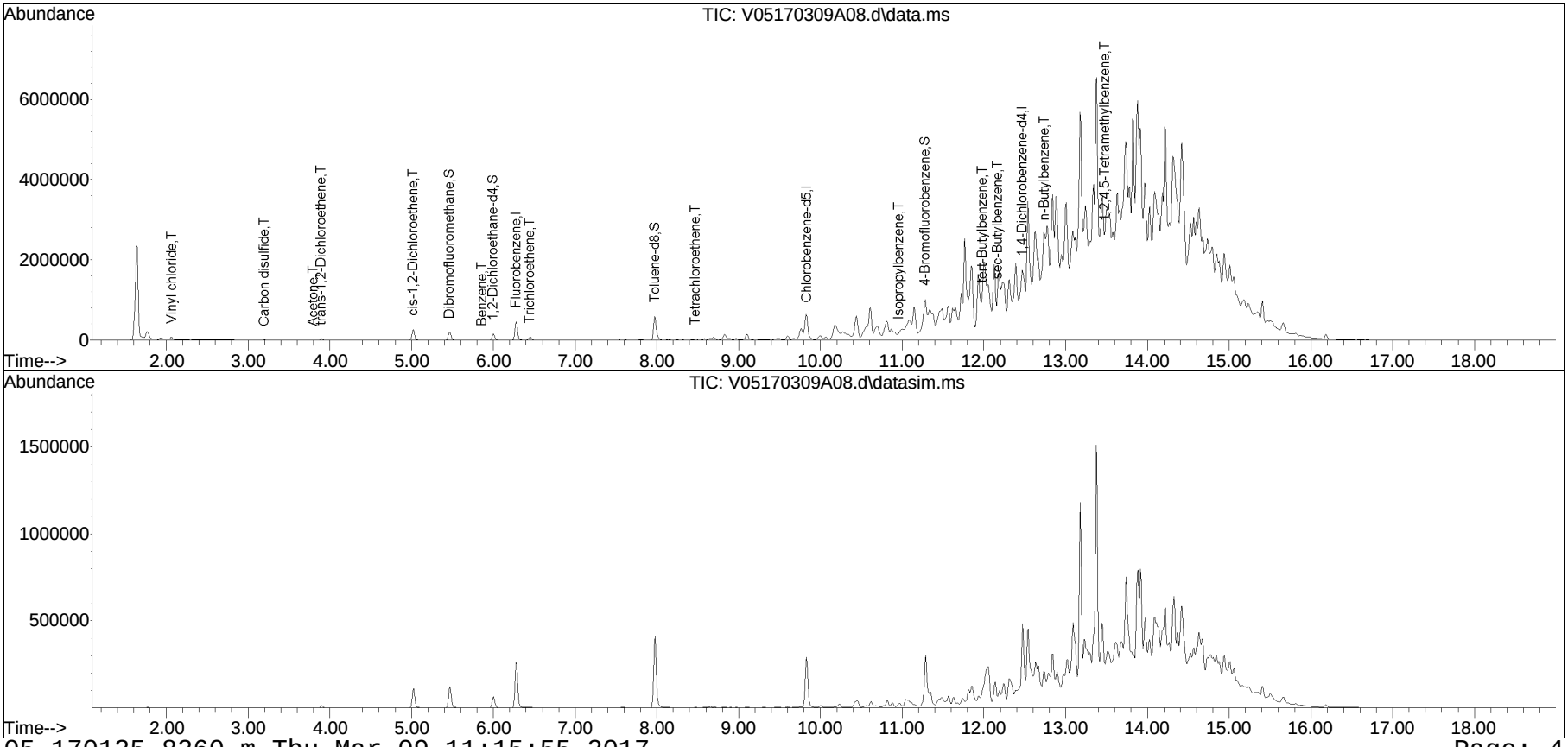
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2017\170309A\
Data File : V05170309A08.d
Acq On : 9 Mar 2017 10:28 am
Operator : VOA105:PD
Sample : l1706520-08,31,10,10,,c
Misc : WG984208,ICAL13335 (Sig #1); WG,ICAL13335 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 09 11:03:55 2017
Quant Method : I:\VOLATILES\VOA105\2017\170309A\V105_170125_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jan 27 07:33:22 2017
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox70309A\V05170309A02.d•



ANALYTICAL REPORT

Lab Number:	L1639639
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1601
Project Number:	CIR1601
Report Date:	12/13/16

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

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

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1639639-01	INF	SOIL_VAPOR	3140	12/06/16 14:35	12/07/16
L1639639-02	EFF	SOIL_VAPOR	3140	12/06/16 14:39	12/07/16

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Case Narrative

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

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

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

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

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

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

Project Name: CIR1601 **Lab Number:** L1639639
Project Number: CIR1601 **Report Date:** 12/13/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 5, 2016. The canister certification results are provided as an addendum.

Sample L1639639-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG959777-3 LCS recoveries for 1,2,4-trichlorobenzene (133%), 1,2,3-trichlorobenzene (133%) and hexachlorobutadiene (140%) are above the upper 130% acceptance limit. The response for these compounds was elevated however they were not detected in any of the associated samples therefore no further action was required.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/13/16

AIR

Project Name: CIR1601 ***Lab Number:*** L1639639

Project Number: CIR1601 ***Report Date:*** 12/13/16

SAMPLE RESULTS

Lab ID: L1639639-01 D
Client ID: INF
Sample Location: 3140
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/10/16 00:53
Analyst: RY

Date Collected: 12/06/16 14:35
Date Received: 12/07/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.530	0.400	--	2.62	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	ND	2.00	--	ND	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	ND	1.00	--	ND	2.95	--		2
cis-1,2-Dichloroethene	13.5	0.400	--	53.5	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: CIR1601 ***Lab Number:*** L1639639

Project Number: CIR1601 ***Report Date:*** 12/13/16

SAMPLE RESULTS

Lab ID: L1639639-01 D Date Collected: 12/06/16 14:35

Client ID: INF Date Received: 12/07/16

Sample Location: 3140 Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.532	0.400	--	2.60	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	4.80	0.400	--	25.8	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	ND	0.400	--	ND	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	101	0.400	--	685	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2

Project Name: CIR1601 ***Lab Number:*** L1639639

Project Number: CIR1601 ***Report Date:*** 12/13/16

SAMPLE RESULTS

Lab ID: L1639639-01 D Date Collected: 12/06/16 14:35

Client ID: INF Date Received: 12/07/16

Sample Location: 3140 Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	82		60-140

Project Name: CIR1601
Project Number: CIR1601
Lab Number: L1639639
Report Date: 12/13/16

SAMPLE RESULTS

Lab ID: L1639639-02
Client ID: EFF
Sample Location: 3140
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/10/16 01:26
Analyst: RY

Date Collected: 12/06/16 14:39
Date Received: 12/07/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.63	1.00	--	11.0	2.38	--		1
Trichlorofluoromethane	0.313	0.200	--	1.76	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.45	0.500	--	4.40	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.96	0.500	--	8.73	1.47	--		1
cis-1,2-Dichloroethene	10.4	0.200	--	41.2	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: CIR1601 ***Lab Number:*** L1639639

Project Number: CIR1601 ***Report Date:*** 12/13/16

SAMPLE RESULTS

Lab ID: L1639639-02 Date Collected: 12/06/16 14:39

Client ID: EFF Date Received: 12/07/16

Sample Location: 3140 Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: CIR1601 ***Lab Number:*** L1639639

Project Number: CIR1601 ***Report Date:*** 12/13/16

SAMPLE RESULTS

Lab ID: L1639639-02 Date Collected: 12/06/16 14:39

Client ID: EFF Date Received: 12/07/16

Sample Location: 3140 Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	80		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	83		60-140

Project Name: CIR1601 **Lab Number:** L1639639

Project Number: CIR1601 **Report Date:** 12/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/09/16 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG959777-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CIR1601 **Lab Number:** L1639639

Project Number: CIR1601 **Report Date:** 12/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/09/16 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG959777-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: CIR1601 **Lab Number:** L1639639

Project Number: CIR1601 **Report Date:** 12/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/09/16 14:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG959777-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959777-3								
Chlorodifluoromethane	95		-		70-130	-		
Propylene	110		-		70-130	-		
Propane	96		-		70-130	-		
Dichlorodifluoromethane	109		-		70-130	-		
Chloromethane	97		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	103		-		70-130	-		
Methanol	76		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	102		-		70-130	-		
Butane	83		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethyl Alcohol	89		-		70-130	-		
Dichlorofluoromethane	91		-		70-130	-		
Vinyl bromide	100		-		70-130	-		
Acrolein	78		-		70-130	-		
Acetone	73		-		70-130	-		
Acetonitrile	84		-		70-130	-		
Trichlorofluoromethane	106		-		70-130	-		
iso-Propyl Alcohol	81		-		70-130	-		
Acrylonitrile	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959777-3								
Pentane	82		-		70-130	-		
Ethyl ether	78		-		70-130	-		
1,1-Dichloroethene	98		-		70-130	-		
tert-Butyl Alcohol	87		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	103		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	118		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	128		-		70-130	-		
Ethyl Acetate	100		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
2,2-Dichloropropane	90		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
n-Hexane	98		-		70-130	-		
Isopropyl Ether	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959777-3								
Ethyl-Tert-Butyl-Ether	90		-		70-130	-		
1,1,1-Trichloroethane	101		-		70-130	-		
1,1-Dichloropropene	99		-		70-130	-		
Benzene	101		-		70-130	-		
Carbon tetrachloride	106		-		70-130	-		
Cyclohexane	100		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	97		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Methyl Methacrylate	74		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	110		-		70-130	-		
4-Methyl-2-pentanone	97		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	111		-		70-130	-		
1,3-Dichloropropane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959777-3								
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	116		-		70-130	-		
1,2-Dibromoethane	118		-		70-130	-		
Butyl Acetate	101		-		70-130	-		
Octane	101		-		70-130	-		
Tetrachloroethene	116		-		70-130	-		
1,1,1,2-Tetrachloroethane	105		-		70-130	-		
Chlorobenzene	113		-		70-130	-		
Ethylbenzene	114		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	114		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	115		-		70-130	-		
1,2,3-Trichloropropane	108		-		70-130	-		
Nonane (C9)	100		-		70-130	-		
Isopropylbenzene	110		-		70-130	-		
Bromobenzene	105		-		70-130	-		
o-Chlorotoluene	108		-		70-130	-		
n-Propylbenzene	106		-		70-130	-		
p-Chlorotoluene	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959777-3								
4-Ethyltoluene	110		-		70-130	-		
1,3,5-Trimethylbenzene	117		-		70-130	-		
tert-Butylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	119		-		70-130	-		
Decane (C10)	104		-		70-130	-		
Benzyl chloride	118		-		70-130	-		
1,3-Dichlorobenzene	118		-		70-130	-		
1,4-Dichlorobenzene	119		-		70-130	-		
sec-Butylbenzene	109		-		70-130	-		
p-Isopropyltoluene	100		-		70-130	-		
1,2-Dichlorobenzene	122		-		70-130	-		
n-Butylbenzene	113		-		70-130	-		
1,2-Dibromo-3-chloropropane	112		-		70-130	-		
Undecane	113		-		70-130	-		
Dodecane (C12)	123		-		70-130	-		
1,2,4-Trichlorobenzene	**133**	Q	-		70-130	-		
Naphthalene	126		-		70-130	-		
1,2,3-Trichlorobenzene	**133**	Q	-		70-130	-		
Hexachlorobutadiene	**140**	Q	-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG959777-5 QC Sample: L1639423-01 Client ID: DUP Sample						
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	370	404	ppbV	9		25

Project Name: CIR1601 **Lab Number:** L1639639

Project Number: CIR1601 **Report Date:** 12/13/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1639639-01	INF	140	2.7L Can	12/05/16	233267	L1638845-01	Pass	-29.4	-0.2	-	-	-	-
L1639639-02	EFF	423	2.7L Can	12/05/16	233267	L1638845-01	Pass	-29.4	2.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/01/16 16:36
Analyst: RY

Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:
Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:
Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:

Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1638845

Project Number: CANISTER QC BAT **Report Date:** 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01 Date Collected: 11/30/16 16:00

Client ID: CAN 329 SHELF 3 Date Received: 12/01/16

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/01/16 16:36
Analyst: RY

Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:
Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1638845
Report Date: 12/13/16

Air Canister Certification Results

Lab ID: L1638845-01
Client ID: CAN 329 SHELF 3
Sample Location:
Date Collected: 11/30/16 16:00
Date Received: 12/01/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639639
Report Date: 12/13/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**

Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1639639-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1639639-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1639639
Project Number:	CIR1601	**Report Date:**	12/13/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1639639
Project Number:	CIR1601	**Report Date:**	12/13/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1639639
Project Number:	CIR1601	**Report Date:**	12/13/16

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

L1639639

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/8/16

ALPHA Job #: ~~0327~~ (BB)

Client Information

Client: FWGC
Address: 630 Johnson Ave
St 7. Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: Jennifer L@fwgroup.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CIR1601
Project Location: 3140 Conklin Sta. Ave.
Project #: CIR1601
Project Manager: Jennifer Lewis
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15		Sample Comments (i.e. PID)
39639-01	Inf	12/6	14:34	14:35	-24	0	SV	NC		140	N/A	X						
-02	Eff	12/6	14:38	14:39	-29.4	0	SV	NR		423	N/A	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ryan Jackson	12/6 14:00	B. Johnson AAL	12/7/16 14:05
B. Jackson	12/7/16 22:05	N. Vlachos	12-7-16 22:05
N. Vlach	12-8-16 0320	B R	12/8/16 0320

ANALYTICAL REPORT

Lab Number:	L1639729
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1601
Project Number:	CIR1601
Report Date:	12/14/16

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

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

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

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1639729-01	DUPE	WATER	3124 CONEY ISLAND AVE.	12/06/16 00:00	12/07/16
L1639729-02	MW-10	WATER	3124 CONEY ISLAND AVE.	12/06/16 10:15	12/07/16
L1639729-03	MW-12	WATER	3124 CONEY ISLAND AVE.	12/06/16 11:36	12/07/16
L1639729-04	MW-13	WATER	3124 CONEY ISLAND AVE.	12/06/16 12:10	12/07/16
L1639729-05	MW-14	WATER	3124 CONEY ISLAND AVE.	12/06/16 12:45	12/07/16
L1639729-06	MW-15-20	WATER	3124 CONEY ISLAND AVE.	12/06/16 13:24	12/07/16
L1639729-07	MW-35-40	WATER	3124 CONEY ISLAND AVE.	12/06/16 13:45	12/07/16
L1639729-08	MW-15	WATER	3124 CONEY ISLAND AVE.	12/06/16 14:56	12/07/16
L1639729-09	MW-11	WATER	3124 CONEY ISLAND AVE.	12/06/16 10:50	12/07/16

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Case Narrative

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

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

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

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

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

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

Project Name:	CIR1601	**Lab Number:**	L1639729
Project Number:	CIR1601	**Report Date:**	12/14/16

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 12/14/16

ORGANICS

VOLATILES

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-01
Client ID: DUPE
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 15:20
Analyst: KD

Date Collected: 12/06/16 00:00
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.47	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.56		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-01 Date Collected: 12/06/16 00:00

Client ID: DUPE Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.4	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-01 Date Collected: 12/06/16 00:00

Client ID: DUPE Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-02
Client ID: MW-10
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 15:43
Analyst: KD

Date Collected: 12/06/16 10:15
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.48	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.59		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-02 Date Collected: 12/06/16 10:15

Client ID: MW-10 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.3	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-02 Date Collected: 12/06/16 10:15

Client ID: MW-10 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-03
Client ID: MW-12
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 16:06
Analyst: KD

Date Collected: 12/06/16 11:36
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.7	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.6		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-03 Date Collected: 12/06/16 11:36

Client ID: MW-12 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	21		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	21		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-03 Date Collected: 12/06/16 11:36

Client ID: MW-12 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-04
Client ID: MW-13
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 16:29
Analyst: KD

Date Collected: 12/06/16 12:10
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.76		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.9	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	18		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.7	J	ug/l	2.5	0.70	1
Trichloroethene	2.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-04 Date Collected: 12/06/16 12:10

Client ID: MW-13 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	2.2	J	ug/l	2.5	0.70	1
Xylenes, Total	2.2	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	17	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	1.1	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.5	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.7	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-04 Date Collected: 12/06/16 12:10

Client ID: MW-13 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	1.2	J	ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	4.4		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-05 D
Client ID: MW-14
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 14:57
Analyst: KD

Date Collected: 12/06/16 12:45
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	78		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	130		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	17		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-05 D Date Collected: 12/06/16 12:45

Client ID: MW-14 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	660		ug/l	25	7.0	10
1,2-Dichloroethene, Total	660		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-05 D
Client ID: MW-14
Sample Location: 3124 CONEY ISLAND AVE.

Date Collected: 12/06/16 12:45
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-06
Client ID: MW-15-20
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 16:52
Analyst: KD

Date Collected: 12/06/16 13:24
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.22	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-06 Date Collected: 12/06/16 13:24

Client ID: MW-15-20 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-06 Date Collected: 12/06/16 13:24

Client ID: MW-15-20 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-07
Client ID: MW-35-40
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 17:15
Analyst: KD

Date Collected: 12/06/16 13:45
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-07 Date Collected: 12/06/16 13:45

Client ID: MW-35-40 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-07 Date Collected: 12/06/16 13:45

Client ID: MW-35-40 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-08 D
Client ID: MW-15
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 18:01
Analyst: KD

Date Collected: 12/06/16 14:56
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	0.76	J	ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	6.5		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.5	J	ug/l	5.0	1.4	2
Trichloroethene	2.0		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-08 D Date Collected: 12/06/16 14:56

Client ID: MW-15 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	12		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	14	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	4.8	J	ug/l	10	2.9	2
Carbon disulfide	5.2	J	ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	5.7		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-08 D Date Collected: 12/06/16 14:56

Client ID: MW-15 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	5.4		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	109		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-09
Client ID: MW-11
Sample Location: 3124 CONEY ISLAND AVE.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/13/16 17:38
Analyst: KD

Date Collected: 12/06/16 10:50
Date Received: 12/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.39	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-09 Date Collected: 12/06/16 10:50

Client ID: MW-11 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

SAMPLE RESULTS

Lab ID: L1639729-09 Date Collected: 12/06/16 10:50

Client ID: MW-11 Date Received: 12/07/16

Sample Location: 3124 CONEY ISLAND AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/16 11:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG960869-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/16 11:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG960869-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CIR1601 **Lab Number:** L1639729

Project Number: CIR1601 **Report Date:** 12/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/16 11:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG960869-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1639729

Report Date: 12/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG960869-3 WG960869-4								
Methylene chloride	98		92		70-130	6		20
1,1-Dichloroethane	98		94		70-130	4		20
Chloroform	100		97		70-130	3		20
2-Chloroethylvinyl ether	**50**	Q	**53**	Q	70-130	6		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	88		87		70-130	1		20
Dibromochloromethane	87		90		63-130	3		20
1,1,2-Trichloroethane	79		85		70-130	7		20
Tetrachloroethene	100		95		70-130	5		20
Chlorobenzene	94		90		75-130	4		20
Trichlorofluoromethane	110		98		62-150	12		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	78		80		70-130	3		20
cis-1,3-Dichloropropene	90		90		70-130	0		20
1,1-Dichloropropene	100		95		70-130	5		20
Bromoform	81		83		54-136	2		20
1,1,2,2-Tetrachloroethane	76		81		67-130	6		20
Benzene	96		93		70-130	3		20
Toluene	94		91		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG960869-3 WG960869-4								
Ethylbenzene	99		94		70-130	5		20
Chloromethane	88		80		64-130	10		20
Bromomethane	100		94		39-139	6		20
Vinyl chloride	91		82		55-140	10		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		94		61-145	6		20
trans-1,2-Dichloroethene	98		93		70-130	5		20
Trichloroethene	100		95		70-130	5		20
1,2-Dichlorobenzene	91		89		70-130	2		20
1,3-Dichlorobenzene	97		92		70-130	5		20
1,4-Dichlorobenzene	95		90		70-130	5		20
Methyl tert butyl ether	85		92		63-130	8		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	97		92		70-130	5		20
Dibromomethane	88		91		70-130	3		20
1,2,3-Trichloropropane	84		88		64-130	5		20
Acrylonitrile	80		87		70-130	8		20
Isopropyl Ether	94		95		70-130	1		20
tert-Butyl Alcohol	80		90		70-130	12		20
Styrene	95		95		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1639729

Report Date: 12/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG960869-3 WG960869-4								
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	**160**	Q	87		58-148	**59**	Q	20
Carbon disulfide	110		92		51-130	18		20
2-Butanone	86		80		63-138	7		20
Vinyl acetate	84		90		70-130	7		20
4-Methyl-2-pentanone	**57**	Q	65		59-130	13		20
2-Hexanone	**55**	Q	59		57-130	7		20
Acrolein	86		80		40-160	7		20
Bromochloromethane	97		96		70-130	1		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	83		87		70-130	5		20
1,3-Dichloropropane	83		87		70-130	5		20
1,1,1,2-Tetrachloroethane	94		93		64-130	1		20
Bromobenzene	93		89		70-130	4		20
n-Butylbenzene	110		96		53-136	14		20
sec-Butylbenzene	110		98		70-130	12		20
tert-Butylbenzene	100		95		70-130	5		20
o-Chlorotoluene	90		84		70-130	7		20
p-Chlorotoluene	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	62		64		41-144	3		20
Hexachlorobutadiene	100		93		63-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG960869-3 WG960869-4								
Isopropylbenzene	110		98		70-130	12		20
p-Isopropyltoluene	96		88		70-130	9		20
Naphthalene	**59**	Q	**60**	Q	70-130	2		20
n-Propylbenzene	110		99		69-130	11		20
1,2,3-Trichlorobenzene	77		77		70-130	0		20
1,2,4-Trichlorobenzene	83		80		70-130	4		20
1,3,5-Trimethylbenzene	100		98		64-130	2		20
1,2,4-Trimethylbenzene	110		99		70-130	11		20
Methyl Acetate	79		88		70-130	11		20
Ethyl Acetate	82		88		70-130	7		20
Cyclohexane	100		99		70-130	1		20
Ethyl-Tert-Butyl-Ether	92		97		70-130	5		20
Tertiary-Amyl Methyl Ether	80		84		66-130	5		20
1,4-Dioxane	86		100		56-162	15		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		100		70-130	10		20
p-Diethylbenzene	100		94		70-130	6		20
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	95		90		70-130	5		20
Tetrahydrofuran	87		85		58-130	2		20
Ethyl ether	79		83		59-134	5		20
trans-1,4-Dichloro-2-butene	83		84		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1639729

Report Date: 12/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG960869-3 WG960869-4								
Iodomethane	**50**	Q	**53**	Q	70-130	6		20
Methyl cyclohexane	100		96		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		112		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	104		106		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG960869-6 WG960869-7 QC Sample: L1639729-02 Client ID: MW-10												
Methylene chloride	ND	10	12	120		13	130		70-130	8		20
1,1-Dichloroethane	ND	10	12	120		13	130		70-130	8		20
Chloroform	ND	10	12	120		13	130		70-130	8		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		12	120		70-130	9		20
Dibromochloromethane	ND	10	12	120		12	120		63-130	0		20
1,1,2-Trichloroethane	ND	10	12	120		12	120		70-130	0		20
Tetrachloroethene	ND	10	9.1	91		9.5	95		70-130	4		20
Chlorobenzene	ND	10	9.7	97		10	100		75-130	3		20
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	13	130		14	**140**	Q	70-130	7		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	12	120		13	130		67-130	8		20
trans-1,3-Dichloropropene	ND	10	10	100		11	110		70-130	10		20
cis-1,3-Dichloropropene	ND	10	11	110		12	120		70-130	9		20
1,1-Dichloropropene	ND	10	10	100		11	110		70-130	10		20
Bromoform	ND	10	11	110		12	120		54-136	9		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		12	120		67-130	0		20
Benzene	ND	10	11	110		12	120		70-130	9		20
Toluene	ND	10	9.8	98		10	100		70-130	2		20
Ethylbenzene	ND	10	9.4	94		10	100		70-130	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG960869-6 WG960869-7 QC Sample: L1639729-02 Client ID: MW-10												
Chloromethane	ND	10	12	120		13	130		64-130	8		20
Bromomethane	ND	10	6.3	63		7.0	70		39-139	11		20
Vinyl chloride	0.48J	10	12	120		13	130		55-140	8		20
Chloroethane	ND	10	16	**160**	Q	16	**160**	Q	55-138	0		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Trichloroethene	0.59	10	11	104		11	104		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.7	97		10	100		70-130	3		20
1,3-Dichlorobenzene	ND	10	9.0	90		9.4	94		70-130	4		20
1,4-Dichlorobenzene	ND	10	9.0	90		9.3	93		70-130	3		20
Methyl tert butyl ether	ND	10	15	**150**	Q	16	**160**	Q	63-130	6		20
p/m-Xylene	ND	20	19	95		20	100		70-130	5		20
o-Xylene	ND	20	20	100		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	12	120		13	130		70-130	8		20
Dibromomethane	ND	10	12	120		13	130		70-130	8		20
1,2,3-Trichloropropane	ND	10	12	120		13	130		64-130	8		20
Acrylonitrile	ND	10	13	130		13	130		70-130	0		20
Styrene	ND	20	20	100		21	105		70-130	5		20
Dichlorodifluoromethane	ND	10	11	110		11	110		36-147	0		20
Acetone	ND	10	14	140		14	140		58-148	0		20
Carbon disulfide	ND	10	10	100		11	110		51-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG960869-6 WG960869-7 QC Sample: L1639729-02 Client ID: MW-10												
2-Butanone	ND	10	13	130		13	130		63-138	0		20
Vinyl acetate	ND	10	14	**140**	Q	14	**140**	Q	70-130	0		20
4-Methyl-2-pentanone	ND	10	13	130		14	**140**	Q	59-130	7		20
2-Hexanone	ND	10	12	120		13	130		57-130	8		20
Bromochloromethane	ND	10	12	120		13	130		70-130	8		20
2,2-Dichloropropane	ND	10	12	120		13	130		63-133	8		20
1,2-Dibromoethane	ND	10	12	120		12	120		70-130	0		20
1,3-Dichloropropane	ND	10	12	120		12	120		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	11	110		12	120		64-130	9		20
Bromobenzene	ND	10	9.8	98		10	100		70-130	2		20
n-Butylbenzene	ND	10	8.4	84		8.6	86		53-136	2		20
sec-Butylbenzene	ND	10	9.4	94		9.7	97		70-130	3		20
tert-Butylbenzene	ND	10	9.0	90		9.4	94		70-130	4		20
o-Chlorotoluene	ND	10	9.2	92		9.7	97		70-130	5		20
p-Chlorotoluene	ND	10	9.0	90		9.5	95		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	11	110		12	120		41-144	9		20
Hexachlorobutadiene	ND	10	8.4	84		8.8	88		63-130	5		20
Isopropylbenzene	ND	10	9.9	99		10	100		70-130	1		20
p-Isopropyltoluene	ND	10	7.9	79		8.3	83		70-130	5		20
Naphthalene	1.3J	10	13	130		13	130		70-130	0		20
n-Propylbenzene	ND	10	9.2	92		9.7	97		69-130	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG960869-6 WG960869-7 QC Sample: L1639729-02 Client ID: MW-10												
1,2,3-Trichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,2,4-Trichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	9.2	92		9.6	96		64-130	4		20
1,2,4-Trimethylbenzene	ND	10	9.4	94		10	100		70-130	6		20
1,4-Dioxane	ND	500	770	154		900	**180**	Q	56-162	16		20
p-Diethylbenzene	ND	10	8.7	87		9.1	91		70-130	4		20
p-Ethyltoluene	ND	10	9.4	94		9.9	99		70-130	5		20
1,2,4,5-Tetramethylbenzene	ND	10	10	100		11	110		70-130	10		20
Ethyl ether	ND	10	13	130		14	**140**	Q	59-134	7		20
trans-1,4-Dichloro-2-butene	ND	10	10	100		11	110		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		107		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	106		104		70-130
Toluene-d8	99		99		70-130

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1639729-01A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-01B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-01C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02A1	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02A2	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02B1	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02B2	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02C1	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-02C2	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-03A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-03B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-03C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-04A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-04B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-04C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-05A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-05B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-05C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-06A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-06B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-06C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-07A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-07B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-07C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-08A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-08B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1639729
Report Date: 12/14/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1639729-08C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-09A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-09B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1639729-09C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1639729
Project Number:	CIR1601	**Report Date:**	12/14/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1639729
Project Number:	CIR1601	**Report Date:**	12/14/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1639729
Project Number:	CIR1601	**Report Date:**	12/14/16

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 12/8/16

ALPHA Job #: L1639729

Client Information

Client: PWGC
Address: 630 Johnson ave
Albany, NY 12206
Phone: 631-589-6353
Fax:
Email: Jennifer L@pwgcorp.com

Project Information

Project Name: CR1601
Project Location: 3174 Coney Island Ave.
Project #
(Use Project name as Project #) ☒
Project Manager: Jennifer L
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments
39729-01	Dupl	X	X	GW	NR	X	
02	MW-10	12/6	10:15			X	
02	MW-10MS	12/6	10:15			X	
02	MW-10 MSD	12/6	10:15			X	
03	MW-12	12/6	11:36			X	
04	MW-13	12/6	12:10			X	
05	MW-14	12/6	12:45			X	
06	MW-15-20	12/6	13:24			X	
07	MW-35-40	12/6	13:45			X	
08	MW-15	12/6	14:56	↓	↓	X	

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	12/7 13:00	B.L. Hanson AAL	12/7/16 14:15
B.L. Hanson	12/7/16 22:05	H. Wan	12-7-16 22:05
H. Wan 12-8-16	0245	[illegible]	12/8/16 0245

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

ALPHA ANALYTICAL

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

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

NEW YORK CHAIN OF CUSTODY

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

Page 2 of 2

Date Rec'd in Lab: 12/8/16

ALPHA Job #: L1639729

Client Information
Client: AECOM
Address:
Phone:
Fax:
Email:

Project Information
Project Name: CIRCA
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

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

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
39729 - 01	MW-11	12/6	10:50	GW	NK	6

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

Relinquished By:	Date/Time	Received By:	Date/Time
	12/7/16 17:00	Bob Janson AAL	12/7/16 14:15
Bob Janson	12/7/16 22:05	H. Winkler	12-7-16 22:05
H. Winkler	12-8-16 0245		12/8/16 0245

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

Page 53 of 53
HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1629516
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1601
Project Number:	CIR1601
Report Date:	09/27/16

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

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

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

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1629516-01	MW-10	WATER	BROOKLYN, NY	09/16/16 11:40	09/19/16
L1629516-02	MW-11	WATER	BROOKLYN, NY	09/16/16 12:10	09/19/16
L1629516-03	MW-12	WATER	BROOKLYN, NY	09/16/16 15:50	09/19/16
L1629516-04	MW-13	WATER	BROOKLYN, NY	09/16/16 15:23	09/19/16
L1629516-05	MW-14	WATER	BROOKLYN, NY	09/16/16 15:00	09/19/16
L1629516-06	MW-15	WATER	BROOKLYN, NY	09/16/16 13:20	09/19/16
L1629516-07	MLW 15-30	WATER	BROOKLYN, NY	09/16/16 14:15	09/19/16
L1629516-08	MLW 35-40	WATER	BROOKLYN, NY	09/16/16 14:35	09/19/16
L1629516-09	DUPE-A	WATER	BROOKLYN, NY	09/16/16 00:00	09/19/16
L1629516-10	FIELD BLANK	WATER	BROOKLYN, NY	09/16/16 16:00	09/19/16
L1629516-11	TRIP BLANK	WATER	BROOKLYN, NY	09/16/16 00:00	09/19/16
L1629516-12	MW-16	WATER	BROOKLYN, NY	09/16/16 12:05	09/19/16

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Case Narrative

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

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

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

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

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

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

Project Name: CIR1601 **Lab Number:** L1629516
Project Number: CIR1601 **Report Date:** 09/27/16

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1629516-04 and -06: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1629516-12: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

The WG935928-6/-7 MS/MSD recoveries, performed on L1629516-05, are outside the acceptance criteria for cis-1,2-dichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/27/16

ORGANICS

VOLATILES

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-01
Client ID: MW-10
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 16:29
Analyst: PD

Date Collected: 09/16/16 11:40
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.17	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-01 Date Collected: 09/16/16 11:40

Client ID: MW-10 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-01 Date Collected: 09/16/16 11:40

Client ID: MW-10 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.0	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-02
Client ID: MW-11
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 16:57
Analyst: PD

Date Collected: 09/16/16 12:10
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-02 Date Collected: 09/16/16 12:10

Client ID: MW-11 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-02 Date Collected: 09/16/16 12:10

Client ID: MW-11 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-03
Client ID: MW-12
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 18:21
Analyst: PD

Date Collected: 09/16/16 15:50
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.41	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	12		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.47	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-03 Date Collected: 09/16/16 15:50

Client ID: MW-12 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.4		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	5.4		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.96	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-03 Date Collected: 09/16/16 15:50

Client ID: MW-12 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	0.71	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-04 D
Client ID: MW-13
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 18:49
Analyst: PD

Date Collected: 09/16/16 15:23
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	7.5		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	0.70	J	ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	4.3	J	ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	39		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.6	J	ug/l	5.0	1.4	2
Trichloroethene	3.0		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-04 D Date Collected: 09/16/16 15:23

Client ID: MW-13 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	5.6		ug/l	5.0	1.4	2
Xylenes, Total	5.6		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	30		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	33	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	3.7	J	ug/l	5.0	1.4	2
sec-Butylbenzene	3.9	J	ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	5.5		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	2.7	J	ug/l	5.0	1.4	2
n-Propylbenzene	2.7	J	ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-04 D
Client ID: MW-13
Sample Location: BROOKLYN, NY

Date Collected: 09/16/16 15:23
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.4	J	ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	4.6		ug/l	4.0	1.4	2
p-Ethyltoluene	3.8	J	ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	18		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	98		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-05 D
Client ID: MW-14
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 19:17
Analyst: PD

Date Collected: 09/16/16 15:00
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	140		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	360		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	4.9	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	77		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-05 D Date Collected: 09/16/16 15:00

Client ID: MW-14 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
Xylenes, Total	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	1600		ug/l	50	14.	20
1,2-Dichloroethene, Total	1600		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-05 D
Client ID: MW-14
Sample Location: BROOKLYN, NY

Date Collected: 09/16/16 15:00
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	13	J	ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-06 D
Client ID: MW-15
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 19:45
Analyst: PD

Date Collected: 09/16/16 13:20
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	1.6		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	1.8	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	6.5		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	2.1	J	ug/l	6.2	1.8	2.5
Trichloroethene	2.8		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-06 D
Client ID: MW-15
Sample Location: BROOKLYN, NY

Date Collected: 09/16/16 13:20
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	14		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	16	J	ug/l	6.2	1.8	2.5
Dibromomethane	ND		ug/l	12	2.5	2.5
1,2,3-Trichloropropane	ND		ug/l	6.2	1.8	2.5
Acrylonitrile	ND		ug/l	12	3.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	5.8	J	ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	2.5	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
2,2-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,3-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	6.2	1.8	2.5
Bromobenzene	ND		ug/l	6.2	1.8	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
o-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
p-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Hexachlorobutadiene	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-06 D
Client ID: MW-15
Sample Location: BROOKLYN, NY

Date Collected: 09/16/16 13:20
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
p-Diethylbenzene	ND		ug/l	5.0	1.8	2.5
p-Ethyltoluene	ND		ug/l	5.0	1.8	2.5
1,2,4,5-Tetramethylbenzene	17		ug/l	5.0	1.4	2.5
Ethyl ether	ND		ug/l	6.2	1.8	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	1.8	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-07
Client ID: MLW 15-30
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 20:13
Analyst: PD

Date Collected: 09/16/16 14:15
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.30	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	140		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
Trichloroethene	0.32	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-07 Date Collected: 09/16/16 14:15

Client ID: MLW 15-30 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	29		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	31	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.5	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-07 Date Collected: 09/16/16 14:15

Client ID: MLW 15-30 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	4.4		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-08
Client ID: MLW 35-40
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 20:41
Analyst: PD

Date Collected: 09/16/16 14:35
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.18	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.25	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-08 Date Collected: 09/16/16 14:35

Client ID: MLW 35-40 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-08 Date Collected: 09/16/16 14:35

Client ID: MLW 35-40 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	0.66	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-09
Client ID: DUPE-A
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 21:09
Analyst: PD

Date Collected: 09/16/16 00:00
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	180		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.3	J	ug/l	2.5	0.70	1
Trichloroethene	0.42	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-09 Date Collected: 09/16/16 00:00

Client ID: DUPE-A Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	25		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	27	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	1.2	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-09 Date Collected: 09/16/16 00:00

Client ID: DUPE-A Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	4.2		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	100		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-10
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 17:25
Analyst: PD

Date Collected: 09/16/16 16:00
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-10 Date Collected: 09/16/16 16:00

Client ID: FIELD BLANK Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-10 Date Collected: 09/16/16 16:00

Client ID: FIELD BLANK Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	97		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-11
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/26/16 17:53
Analyst: PD

Date Collected: 09/16/16 00:00
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-11 Date Collected: 09/16/16 00:00

Client ID: TRIP BLANK Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-11 Date Collected: 09/16/16 00:00

Client ID: TRIP BLANK Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	100		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-12 D
Client ID: MW-16
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/16 13:01
Analyst: PD

Date Collected: 09/16/16 12:05
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	7.7	J	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-12 D Date Collected: 09/16/16 12:05

Client ID: MW-16 Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

SAMPLE RESULTS

Lab ID: L1629516-12 D
Client ID: MW-16
Sample Location: BROOKLYN, NY

Date Collected: 09/16/16 12:05
Date Received: 09/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	13	J	ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/16 12:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG935928-12					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	0.92	J	ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/16 12:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG935928-12					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/16 12:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG935928-12					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	91		70-130

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/26/16 12:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG935928-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	0.84	J	ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/26/16 12:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG935928-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CIR1601 **Lab Number:** L1629516

Project Number: CIR1601 **Report Date:** 09/27/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/26/16 12:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG935928-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG935928-10 WG935928-11								
Methylene chloride	98		84		70-130	15		20
1,1-Dichloroethane	93		93		70-130	0		20
Chloroform	91		95		70-130	4		20
Carbon tetrachloride	80		85		63-132	6		20
1,2-Dichloropropane	83		83		70-130	0		20
Dibromochloromethane	85		89		63-130	5		20
1,1,2-Trichloroethane	88		92		70-130	4		20
Tetrachloroethene	90		89		70-130	1		20
Chlorobenzene	91		91		75-130	0		20
Trichlorofluoromethane	82		81		62-150	1		20
1,2-Dichloroethane	78		83		70-130	6		20
1,1,1-Trichloroethane	91		93		67-130	2		20
Bromodichloromethane	84		84		67-130	0		20
trans-1,3-Dichloropropene	83		89		70-130	7		20
cis-1,3-Dichloropropene	79		80		70-130	1		20
1,1-Dichloropropene	86		88		70-130	2		20
Bromoform	90		92		54-136	2		20
1,1,2,2-Tetrachloroethane	93		95		67-130	2		20
Benzene	91		95		70-130	4		20
Toluene	100		98		70-130	2		20
Ethylbenzene	99		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG935928-10 WG935928-11								
Chloromethane	86		83		64-130	4		20
Bromomethane	73		79		39-139	8		20
Vinyl chloride	84		79		55-140	6		20
Chloroethane	93		92		55-138	1		20
1,1-Dichloroethene	94		89		61-145	5		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	92		89		70-130	3		20
1,2-Dichlorobenzene	89		91		70-130	2		20
1,3-Dichlorobenzene	93		93		70-130	0		20
1,4-Dichlorobenzene	90		89		70-130	1		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	92		97		70-130	5		20
Dibromomethane	81		82		70-130	1		20
1,2,3-Trichloropropane	92		96		64-130	4		20
Acrylonitrile	80		84		70-130	5		20
Isopropyl Ether	94		95		70-130	1		20
tert-Butyl Alcohol	98		108		70-130	10		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	64		58		36-147	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG935928-10 WG935928-11								
Acetone	79		81		58-148	3		20
Carbon disulfide	94		90		51-130	4		20
2-Butanone	80		90		63-138	12		20
Vinyl acetate	84		91		70-130	8		20
4-Methyl-2-pentanone	70		76		59-130	8		20
2-Hexanone	68		72		57-130	6		20
Bromochloromethane	81		88		70-130	8		20
2,2-Dichloropropane	97		99		63-133	2		20
1,2-Dibromoethane	87		87		70-130	0		20
1,3-Dichloropropane	86		88		70-130	2		20
1,1,1,2-Tetrachloroethane	85		86		64-130	1		20
Bromobenzene	95		98		70-130	3		20
n-Butylbenzene	97		94		53-136	3		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	92		91		70-130	1		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	78		85		41-144	9		20
Hexachlorobutadiene	100		98		63-130	2		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG935928-10 WG935928-11								
Naphthalene	72		70		70-130	3		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	78		78		70-130	0		20
1,2,4-Trichlorobenzene	74		74		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Methyl Acetate	86		89		70-130	3		20
Ethyl Acetate	74		85		70-130	14		20
Cyclohexane	75		76		70-130	1		20
Ethyl-Tert-Butyl-Ether	84		90		70-130	7		20
Tertiary-Amyl Methyl Ether	82		89		66-130	8		20
1,4-Dioxane	86		90		56-162	5		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	80		75		70-130	6		20
p-Diethylbenzene	96		93		70-130	3		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	95		93		70-130	2		20
Tetrahydrofuran	72		80		58-130	11		20
Ethyl ether	83		83		59-134	0		20
trans-1,4-Dichloro-2-butene	88		94		70-130	7		20
Methyl cyclohexane	71		**68**	Q	70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG935928-10 WG935928-11								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		86		70-130
Toluene-d8	105		103		70-130
4-Bromofluorobenzene	109		113		70-130
Dibromofluoromethane	89		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG935928-3 WG935928-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	93		95		70-130	2		20
Dibromochloromethane	96		96		63-130	0		20
1,1,2-Trichloroethane	98		99		70-130	1		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	95		98		75-130	3		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	94		95		70-130	1		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	96		98		67-130	2		20
trans-1,3-Dichloropropene	91		92		70-130	1		20
cis-1,3-Dichloropropene	89		90		70-130	1		20
1,1-Dichloropropene	99		100		70-130	1		20
Bromoform	91		96		54-136	5		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	99		100		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG935928-3 WG935928-4								
Chloromethane	110		110		64-130	0		20
Bromomethane	87		94		39-139	8		20
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	93		96		70-130	3		20
1,4-Dichlorobenzene	89		93		70-130	4		20
Methyl tert butyl ether	95		99		63-130	4		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	93		96		70-130	3		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	90		91		70-130	1		20
Isopropyl Ether	100		100		70-130	0		20
tert-Butyl Alcohol	108		104		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	94		95		36-147	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1629516

Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG935928-3 WG935928-4								
Acetone	88		92		58-148	4		20
Carbon disulfide	100		120		51-130	18		20
2-Butanone	99		96		63-138	3		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	76		74		59-130	3		20
2-Hexanone	74		72		57-130	3		20
Acrolein	88		89		40-160	1		20
Bromochloromethane	90		95		70-130	5		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	91		92		70-130	1		20
1,3-Dichloropropane	92		94		70-130	2		20
1,1,1,2-Tetrachloroethane	92		94		64-130	2		20
Bromobenzene	94		98		70-130	4		20
n-Butylbenzene	92		92		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	90		92		70-130	2		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	79		85		41-144	7		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1629516

Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG935928-3 WG935928-4								
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	**58**	Q	**59**	Q	70-130	2		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	71		**69**	Q	70-130	3		20
1,2,4-Trichlorobenzene	**69**	Q	**69**	Q	70-130	0		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	97		100		70-130	3		20
Ethyl Acetate	90		94		70-130	4		20
Cyclohexane	100		110		70-130	10		20
Ethyl-Tert-Butyl-Ether	93		96		70-130	3		20
Tertiary-Amyl Methyl Ether	90		91		66-130	1		20
1,4-Dioxane	88		90		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
p-Diethylbenzene	86		88		70-130	2		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	86		86		70-130	0		20
Tetrahydrofuran	93		89		58-130	4		20
Ethyl ether	95		97		59-134	2		20
trans-1,4-Dichloro-2-butene	97		100		70-130	3		20
Iodomethane	71		74		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG935928-3 WG935928-4								
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	107		111		70-130
Dibromofluoromethane	98		97		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG935928-6 WG935928-7 QC Sample: L1629516-05 Client ID: MW-14												
Methylene chloride	ND	200	220	110		70	**35**	Q	70-130	**103**	Q	20
1,1-Dichloroethane	ND	200	210	105		77	**38**	Q	70-130	**93**	Q	20
Chloroform	ND	200	200	100		78	**39**	Q	70-130	**88**	Q	20
Carbon tetrachloride	ND	200	140	70		79	**40**	Q	63-132	**56**	Q	20
1,2-Dichloropropane	ND	200	180	90		70	**35**	Q	70-130	**88**	Q	20
Dibromochloromethane	ND	200	190	95		70	**35**	Q	63-130	**92**	Q	20
1,1,2-Trichloroethane	ND	200	200	100		73	**36**	Q	70-130	**93**	Q	20
Tetrachloroethene	140	200	250	**55**	Q	210	**35**	Q	70-130	17		20
Chlorobenzene	ND	200	150	75		74	**37**	Q	75-130	**68**	Q	20
Trichlorofluoromethane	ND	200	150	75		84	**42**	Q	62-150	**56**	Q	20
1,2-Dichloroethane	ND	200	190	95		68	**34**	Q	70-130	**95**	Q	20
1,1,1-Trichloroethane	ND	200	180	90		84	**42**	Q	67-130	**73**	Q	20
Bromodichloromethane	ND	200	190	95		69	**34**	Q	67-130	**93**	Q	20
trans-1,3-Dichloropropene	ND	200	170	85		67	**34**	Q	70-130	**87**	Q	20
cis-1,3-Dichloropropene	ND	200	160	80		60	**30**	Q	70-130	**91**	Q	20
1,1-Dichloropropene	ND	200	150	75		81	**40**	Q	70-130	**60**	Q	20
Bromoform	ND	200	190	95		72	**36**	Q	54-136	**90**	Q	20
1,1,2,2-Tetrachloroethane	ND	200	200	100		72	**36**	Q	67-130	**94**	Q	20
Benzene	ND	200	190	95		79	**40**	Q	70-130	**83**	Q	20
Toluene	ND	200	170	85		84	**42**	Q	70-130	**68**	Q	20
Ethylbenzene	ND	200	140	70		82	**41**	Q	70-130	**52**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG935928-6 WG935928-7 QC Sample: L1629516-05 Client ID: MW-14												
Chloromethane	ND	200	220	110		87	**44**	Q	64-130	**87**	Q	20
Bromomethane	ND	200	45J	**22**	Q	38.J	**19**	Q	39-139	17		20
Vinyl chloride	360	200	520	80		370	**5**	Q	55-140	**34**	Q	20
Chloroethane	ND	200	250	125		110	55		55-138	**78**	Q	20
1,1-Dichloroethene	4.9J	200	200	100		95	**48**	Q	61-145	**71**	Q	20
trans-1,2-Dichloroethene	ND	200	210	105		93	**46**	Q	70-130	**77**	Q	20
Trichloroethene	77	200	240	82		150	**36**	Q	70-130	**46**	Q	20
1,2-Dichlorobenzene	ND	200	140	70		70	**35**	Q	70-130	**67**	Q	20
1,3-Dichlorobenzene	ND	200	130	**65**	Q	75	**38**	Q	70-130	**54**	Q	20
1,4-Dichlorobenzene	ND	200	130	**65**	Q	72	**36**	Q	70-130	**57**	Q	20
Methyl tert butyl ether	ND	200	230	115		71	**36**	Q	63-130	**106**	Q	20
p/m-Xylene	ND	400	280	70		160	**40**	Q	70-130	**55**	Q	20
o-Xylene	ND	400	300	75		150	**38**	Q	70-130	**67**	Q	20
cis-1,2-Dichloroethene	1600	200	1600	**0**	Q	1500	**0**	Q	70-130	6		20
Dibromomethane	ND	200	180	90		67.J	**34**	Q	70-130	**91**	Q	20
1,2,3-Trichloropropane	ND	200	190	95		77	**38**	Q	64-130	**85**	Q	20
Acrylonitrile	ND	200	190	95		66.J	**33**	Q	70-130	**97**	Q	20
Styrene	ND	400	310	78		150	**38**	Q	70-130	**70**	Q	20
Dichlorodifluoromethane	ND	200	97J	48		56.J	**28**	Q	36-147	**54**	Q	20
Acetone	ND	200	210	105		71.J	**36**	Q	58-148	**99**	Q	20
Carbon disulfide	ND	200	190	95		91.J	**46**	Q	51-130	**70**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG935928-6 WG935928-7 QC Sample: L1629516-05 Client ID: MW-14												
2-Butanone	ND	200	190	95		66.J	**33**	Q	63-138	**97**	Q	20
Vinyl acetate	ND	200	200	100		68.J	**34**	Q	70-130	**99**	Q	20
4-Methyl-2-pentanone	ND	200	160	80		62.J	**31**	Q	59-130	**88**	Q	20
2-Hexanone	ND	200	160	80		55.J	**28**	Q	57-130	**98**	Q	20
Bromochloromethane	ND	200	190	95		70	**35**	Q	70-130	**92**	Q	20
2,2-Dichloropropane	ND	200	170	85		90	**45**	Q	63-133	**62**	Q	20
1,2-Dibromoethane	ND	200	180	90		68	**34**	Q	70-130	**90**	Q	20
1,3-Dichloropropane	ND	200	180	90		69	**34**	Q	70-130	**89**	Q	20
1,1,1,2-Tetrachloroethane	ND	200	160	80		70	**35**	Q	64-130	**78**	Q	20
Bromobenzene	ND	200	160	80		74	**37**	Q	70-130	**74**	Q	20
n-Butylbenzene	ND	200	100	**50**	Q	82	**41**	Q	53-136	20		20
sec-Butylbenzene	ND	200	110	**55**	Q	93	**46**	Q	70-130	17		20
tert-Butylbenzene	ND	200	110	**55**	Q	80	**40**	Q	70-130	**32**	Q	20
o-Chlorotoluene	ND	200	150	75		90	**45**	Q	70-130	**50**	Q	20
p-Chlorotoluene	ND	200	140	70		85	**42**	Q	70-130	**49**	Q	20
1,2-Dibromo-3-chloropropane	ND	200	160	80		59	**30**	Q	41-144	**92**	Q	20
Hexachlorobutadiene	ND	200	95	**48**	Q	91	**46**	Q	63-130	4		20
Isopropylbenzene	ND	200	130	**65**	Q	91	**46**	Q	70-130	**35**	Q	20
p-Isopropyltoluene	ND	200	110	**55**	Q	86	**43**	Q	70-130	**24**	Q	20
Naphthalene	ND	200	140	70		51	**26**	Q	70-130	**93**	Q	20
n-Propylbenzene	ND	200	130	**65**	Q	93	**46**	Q	69-130	**33**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG935928-6 WG935928-7 QC Sample: L1629516-05 Client ID: MW-14												
1,2,3-Trichlorobenzene	ND	200	120	**60**	Q	57	**28**	Q	70-130	**71**	Q	20
1,2,4-Trichlorobenzene	ND	200	110	**55**	Q	57	**28**	Q	70-130	**63**	Q	20
1,3,5-Trimethylbenzene	ND	200	140	70		89	**44**	Q	64-130	**45**	Q	20
1,2,4-Trimethylbenzene	ND	200	140	70		85	**42**	Q	70-130	**49**	Q	20
1,4-Dioxane	ND	10000	6100	61		1600J	**16**	Q	56-162	**117**	Q	20
p-Diethylbenzene	ND	200	110	**55**	Q	75	**38**	Q	70-130	**38**	Q	20
p-Ethyltoluene	ND	200	130	**65**	Q	89	**44**	Q	70-130	**37**	Q	20
1,2,4,5-Tetramethylbenzene	13.J	200	120	**60**	Q	70	**35**	Q	70-130	**53**	Q	20
Ethyl ether	ND	200	200	100		69	**34**	Q	59-134	**97**	Q	20
trans-1,4-Dichloro-2-butene	ND	200	180	90		73	**36**	Q	70-130	**85**	Q	20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		84		70-130
4-Bromofluorobenzene	111		108		70-130
Dibromofluoromethane	91		91		70-130
Toluene-d8	102		103		70-130

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1629516-01A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-01B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-01C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-02A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-02B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-02C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-03A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-03B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-03C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-04A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-04B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-04C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05A1	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05A2	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05B1	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05B2	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05C1	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-05C2	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-06A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-06B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-06C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-07A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-07B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-07C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-08A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-08B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629516
Report Date: 09/27/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1629516-08C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-09A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-09B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-09C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-10A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-10B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-10C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-11A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-11B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-12A	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-12B	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1629516-12C	Vial HCl preserved	A	N/A	5.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1629516
Project Number:	CIR1601	**Report Date:**	09/27/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1629516
Project Number:	CIR1601	**Report Date:**	09/27/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1629516
Project Number:	CIR1601	**Report Date:**	09/27/16

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 9/19/16

ALPHA Job #: L1629516

Client Information
Client: PWGC
Address: 630 Johnson Ave
Bohemia, NY
Phone: 631-589-6353
Fax:
Email: ~~Jennifer~~

Project Information
Project Name: CIR1601
Project Location: Brooklyn, NY
Project #: CIR1601
(Use Project name as Project #) ☑
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

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

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
→ ~~Jennifer~~ Lewis @ PWgrosser.com

Please specify Metals or TAL.

ANALYSIS
8260 - VOC

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 - VOC	Sample Specific Comments
29516 -01	MW-10	9/16	11:40	GW	NR	X	
-02	MW-11		12:10			X	
-03	MW-12		15:50			X	
-04	MW-13		15:23			X	
-05	MW-14		15:00			X	MS/MSD
-06	MW-15		13:20			X	
-07	MLW15-30		14:15			X	
-08	MLW35-40		14:35			X	
-09	Dupe09		XX:XX			X	
-10	Field Blank		16:00	↓	↓	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	9/16 19:00		9/19 1900
	9/19/16 16:00		9/19/16 16:00
	9-19-16 1900		9-19-16 1900
	9-19-16 2315		9/19/16 2315

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 2 of 2

Date Rec'd in Lab: 9/19/16

ALPHA Job #: L1629516

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax: Jennifer L
Email: ~~Steve~~ @pwgrossler.com

Project Information

Project Name: CIR1601
Project Location: Brooklyn, NY
Project #: CIR1601
(Use Project name as Project #) ☒
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

8260-VOC

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
29516-11	Top Blank	9/16		DI	NK	
12	MW-16	9/16	12:05	GW	NK	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	9/18 19:00		9/18 ROI
	9/19/16 16:00	Bob Johnson/AAL	9/19/16 16:00
	9/19/16 1900	Tom Tobin	9-19-16 1900
Tom Tobin	9-19-16 2315		9/19/16 2315

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1629526
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1601
Project Number:	CIR1601
Report Date:	09/26/16

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

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

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1629526-01	INFLUENT	SOIL_VAPOR	BROOKLYN, NY	09/16/16 10:32	09/19/16
L1629526-02	EFFLUENT	SOIL_VAPOR	BROOKLYN, NY	09/16/16 10:32	09/19/16

Project Name:	CIR1601	**Lab Number:**	L1629526
Project Number:	CIR1601	**Report Date:**	09/26/16

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name:	CIR1601	**Lab Number:**	L1629526
Project Number:	CIR1601	**Report Date:**	09/26/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 12, 2016. The canister certification results are provided as an addendum.

Sample L1629526-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/26/16

AIR

Project Name: CIR1601 ***Lab Number:*** L1629526

Project Number: CIR1601 ***Report Date:*** 09/26/16

SAMPLE RESULTS

Lab ID: L1629526-01 D
Client ID: INFLUENT
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/25/16 02:25
Analyst: MB

Date Collected: 09/16/16 10:32
Date Received: 09/19/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	16.7	--	ND	31.5	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	ND	3.33	--	ND	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	ND	0.667	--	ND	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	ND	1.67	--	ND	4.93	--		3.333
cis-1,2-Dichloroethene	28.4	0.667	--	113	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333

Project Name: CIR1601 ***Lab Number:*** L1629526

Project Number: CIR1601 ***Report Date:*** 09/26/16

SAMPLE RESULTS

Lab ID: L1629526-01 D Date Collected: 09/16/16 10:32

Client ID: INFLUENT Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.910	0.667	--	4.44	3.26	--		3.333
Tetrahydrofuran	ND	1.67	--	ND	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	ND	0.667	--	ND	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	ND	0.667	--	ND	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	ND	0.667	--	ND	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	17.1	0.667	--	91.9	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	ND	0.667	--	ND	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	ND	0.667	--	ND	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	291	0.667	--	1970	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	ND	0.667	--	ND	2.90	--		3.333
p/m-Xylene	ND	1.33	--	ND	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333

Project Name: CIR1601 ***Lab Number:*** L1629526

Project Number: CIR1601 ***Report Date:*** 09/26/16

SAMPLE RESULTS

Lab ID: L1629526-01 D Date Collected: 09/16/16 10:32

Client ID: INFLUENT Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	ND	0.667	--	ND	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	68		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	82		60-140

Project Name: CIR1601 ***Lab Number:*** L1629526

Project Number: CIR1601 ***Report Date:*** 09/26/16

SAMPLE RESULTS

Lab ID: L1629526-02
Client ID: EFFLUENT
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/25/16 03:28
Analyst: MB

Date Collected: 09/16/16 10:32
Date Received: 09/19/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.613	0.200	--	3.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	13.7	1.00	--	32.5	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.20	0.500	--	12.7	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	10.4	0.500	--	30.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: CIR1601 ***Lab Number:*** L1629526

Project Number: CIR1601 ***Report Date:*** 09/26/16

SAMPLE RESULTS

Lab ID: L1629526-02 Date Collected: 09/16/16 10:32

Client ID: EFFLUENT Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	0.253	0.200	--	1.04	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: CIR1601 ***Lab Number:*** L1629526

Project Number: CIR1601 ***Report Date:*** 09/26/16

SAMPLE RESULTS

Lab ID: L1629526-02 Date Collected: 09/16/16 10:32

Client ID: EFFLUENT Date Received: 09/19/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	74		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	78		60-140

Project Name: CIR1601 **Lab Number:** L1629526

Project Number: CIR1601 **Report Date:** 09/26/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/24/16 14:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG935497-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CIR1601 **Lab Number:** L1629526

Project Number: CIR1601 **Report Date:** 09/26/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/24/16 14:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG935497-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: CIR1601 **Lab Number:** L1629526

Project Number: CIR1601 **Report Date:** 09/26/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/24/16 14:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG935497-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG935497-3								
Chlorodifluoromethane	102		-		70-130	-		
Propylene	122		-		70-130	-		
Propane	97		-		70-130	-		
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	114		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	111		-		70-130	-		
Methanol	94		-		70-130	-		
Vinyl chloride	118		-		70-130	-		
1,3-Butadiene	123		-		70-130	-		
Butane	104		-		70-130	-		
Bromomethane	110		-		70-130	-		
Chloroethane	123		-		70-130	-		
Ethyl Alcohol	105		-		70-130	-		
Dichlorofluoromethane	102		-		70-130	-		
Vinyl bromide	114		-		70-130	-		
Acrolein	109		-		70-130	-		
Acetone	97		-		70-130	-		
Acetonitrile	104		-		70-130	-		
Trichlorofluoromethane	110		-		70-130	-		
iso-Propyl Alcohol	103		-		70-130	-		
Acrylonitrile	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG935497-3								
Pentane	104		-		70-130	-		
Ethyl ether	106		-		70-130	-		
1,1-Dichloroethene	115		-		70-130	-		
tert-Butyl Alcohol	104		-		70-130	-		
Methylene chloride	108		-		70-130	-		
3-Chloropropene	122		-		70-130	-		
Carbon disulfide	110		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	102		-		70-130	-		
Vinyl acetate	121		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	122		-		70-130	-		
Ethyl Acetate	122		-		70-130	-		
Chloroform	114		-		70-130	-		
Tetrahydrofuran	111		-		70-130	-		
2,2-Dichloropropane	97		-		70-130	-		
1,2-Dichloroethane	106		-		70-130	-		
n-Hexane	114		-		70-130	-		
Isopropyl Ether	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG935497-3								
Ethyl-Tert-Butyl-Ether	102		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
1,1-Dichloropropene	108		-		70-130	-		
Benzene	114		-		70-130	-		
Carbon tetrachloride	111		-		70-130	-		
Cyclohexane	117		-		70-130	-		
Tertiary-Amyl Methyl Ether	105		-		70-130	-		
Dibromomethane	110		-		70-130	-		
1,2-Dichloropropane	116		-		70-130	-		
Bromodichloromethane	114		-		70-130	-		
1,4-Dioxane	114		-		70-130	-		
Trichloroethene	115		-		70-130	-		
2,2,4-Trimethylpentane	118		-		70-130	-		
Methyl Methacrylate	96		-		70-130	-		
Heptane	112		-		70-130	-		
cis-1,3-Dichloropropene	123		-		70-130	-		
4-Methyl-2-pentanone	117		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	117		-		70-130	-		
Toluene	114		-		70-130	-		
1,3-Dichloropropane	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG935497-3								
2-Hexanone	117		-		70-130	-		
Dibromochloromethane	113		-		70-130	-		
1,2-Dibromoethane	119		-		70-130	-		
Butyl Acetate	109		-		70-130	-		
Octane	108		-		70-130	-		
Tetrachloroethene	112		-		70-130	-		
1,1,1,2-Tetrachloroethane	103		-		70-130	-		
Chlorobenzene	112		-		70-130	-		
Ethylbenzene	115		-		70-130	-		
p/m-Xylene	114		-		70-130	-		
Bromoform	114		-		70-130	-		
Styrene	114		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	116		-		70-130	-		
1,2,3-Trichloropropane	106		-		70-130	-		
Nonane (C9)	107		-		70-130	-		
Isopropylbenzene	106		-		70-130	-		
Bromobenzene	105		-		70-130	-		
o-Chlorotoluene	101		-		70-130	-		
n-Propylbenzene	104		-		70-130	-		
p-Chlorotoluene	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG935497-3								
4-Ethyltoluene	110		-		70-130	-		
1,3,5-Trimethylbenzene	110		-		70-130	-		
tert-Butylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Decane (C10)	107		-		70-130	-		
Benzyl chloride	112		-		70-130	-		
1,3-Dichlorobenzene	113		-		70-130	-		
1,4-Dichlorobenzene	113		-		70-130	-		
sec-Butylbenzene	105		-		70-130	-		
p-Isopropyltoluene	97		-		70-130	-		
1,2-Dichlorobenzene	114		-		70-130	-		
n-Butylbenzene	110		-		70-130	-		
1,2-Dibromo-3-chloropropane	105		-		70-130	-		
Undecane	111		-		70-130	-		
Dodecane (C12)	116		-		70-130	-		
1,2,4-Trichlorobenzene	118		-		70-130	-		
Naphthalene	110		-		70-130	-		
1,2,3-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	114		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG935497-5 QC Sample: L1629526-01 Client ID: INFLUENT						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG935497-5 QC Sample: L1629526-01 Client ID: INFLUENT					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	28.4	26.1	ppbV	8	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	0.910	0.890	ppbV	2	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	17.1	16.5	ppbV	4	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG935497-5 QC Sample: L1629526-01 Client ID: INFLUENT					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	ND	ND	ppbV	NC	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	291	288	ppbV	1	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG935497-5 QC Sample: L1629526-01 Client ID: INFLUENT					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1629526

Report Date: 09/26/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1629526-01	INFLUENT	355	2.7L Can	09/12/16	228514	L1627905-01	Pass	-29.1	-2.3	-	-	-	-
L1629526-02	EFFLUENT	498	2.7L Can	09/12/16	228514	L1627905-01	Pass	-29.4	-1.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1627905

Project Number: CANISTER QC BAT **Report Date:** 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01
Client ID: CAN 534 SHELF 11
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/07/16 15:06
Analyst: MB

Date Collected: 09/06/16 16:00
Date Received: 09/07/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1627905
Report Date: 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01
Client ID: CAN 534 SHELF 11
Sample Location:
Date Collected: 09/06/16 16:00
Date Received: 09/07/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1627905
Report Date: 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01
Client ID: CAN 534 SHELF 11
Sample Location:
Date Collected: 09/06/16 16:00
Date Received: 09/07/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1627905

Project Number: CANISTER QC BAT **Report Date:** 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01 Date Collected: 09/06/16 16:00

Client ID: CAN 534 SHELF 11 Date Received: 09/07/16

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	87		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1627905

Project Number: CANISTER QC BAT **Report Date:** 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01
Client ID: CAN 534 SHELF 11
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/07/16 15:06
Analyst: MB

Date Collected: 09/06/16 16:00
Date Received: 09/07/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1627905
Report Date: 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01
Client ID: CAN 534 SHELF 11
Sample Location:
Date Collected: 09/06/16 16:00
Date Received: 09/07/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1627905

Project Number: CANISTER QC BAT **Report Date:** 09/26/16

Air Canister Certification Results

Lab ID: L1627905-01 Date Collected: 09/06/16 16:00

Client ID: CAN 534 SHELF 11 Date Received: 09/07/16

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1629526
Report Date: 09/26/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1629526-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1629526-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1629526
Project Number:	CIR1601	**Report Date:**	09/26/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1629526
Project Number:	CIR1601	**Report Date:**	09/26/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1629526
Project Number:	CIR1601	**Report Date:**	09/26/16

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

AIR ANALYSIS

PAGE_____ OF _____

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 9/20/16

ALPHA Job #: L1629526

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia NY
Phone: 631-589-6353
Fax:
Email: JLewis@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CIR1601
Project Location: Brooklyn NY
Project #: CIR1601
Project Manager: Jennifer Lewis
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15			Sample Comments (i.e. PID)
29526-01	Influent	9/16	10:30	10:32	-29.1		Influent	NR		355		X							
-02	Effluent	↓	10:35	10:32	-29.4	0	Effluent	NR		498		X							

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	9/18 8pm	BdJohnson AAL	9/19/16 16:08
BdJohnson	9/19/16 2210	AL Williams	9/19/16 2210
AL Williams	9-20-16 02:30	Peter Bed	9/20/16 02:30

ANALYTICAL REPORT

Lab Number:	L1619370
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	3140 CONEY IS. AVE.
Project Number:	CIR1601
Report Date:	07/15/16

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

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

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

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1619370-01	MW-10	WATER	BROOKLYN, NY	06/22/16 14:15	06/23/16
L1619370-02	MW-11	WATER	BROOKLYN, NY	06/22/16 14:45	06/23/16
L1619370-03	MW-12	WATER	BROOKLYN, NY	06/22/16 12:35	06/23/16
L1619370-04	MW-13	WATER	BROOKLYN, NY	06/22/16 12:00	06/23/16
L1619370-05	MW-14	WATER	BROOKLYN, NY	06/22/16 11:15	06/23/16
L1619370-06	MW-15	WATER	BROOKLYN, NY	06/22/16 13:20	06/23/16
L1619370-07	MLWELL (15-20')	WATER	BROOKLYN, NY	06/22/16 10:00	06/23/16
L1619370-08	MLWELL (35-40')	WATER	BROOKLYN, NY	06/22/16 10:00	06/23/16
L1619370-09	DUPE001	WATER	BROOKLYN, NY	06/22/16 00:00	06/23/16
L1619370-10	FIELD BLANK	WATER	BROOKLYN, NY	06/22/16 16:00	06/23/16
L1619370-11	TRIP BLANK	WATER	BROOKLYN, NY	06/22/16 12:00	06/23/16

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Case Narrative

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

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

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

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

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

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

Project Name:	3140 CONEY IS. AVE.	**Lab Number:**	L1619370
Project Number:	CIR1601	**Report Date:**	07/15/16

Case Narrative (continued)

Report Submission

This report replaces the report issued July 1, 2016. The WG909417-6/-7 MS/MSD recoveries have been amended for Toluene, Ethylbenzene, 1,1-Dichloroethene, o-Xylene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Isopropylbenzen, and n-Propylbenzene.

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

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

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 07/15/16

ORGANICS

VOLATILES

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-01
Client ID: MW-10
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 16:02
Analyst: PD

Date Collected: 06/22/16 14:15
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.59		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.30	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.19	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-01 Date Collected: 06/22/16 14:15

Client ID: MW-10 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-01 Date Collected: 06/22/16 14:15

Client ID: MW-10 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-02
Client ID: MW-11
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 16:30
Analyst: PD

Date Collected: 06/22/16 14:45
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.42	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-02 Date Collected: 06/22/16 14:45

Client ID: MW-11 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-02 Date Collected: 06/22/16 14:45

Client ID: MW-11 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-03
Client ID: MW-12
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 16:58
Analyst: PD

Date Collected: 06/22/16 12:35
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	5.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	14		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-03 Date Collected: 06/22/16 12:35

Client ID: MW-12 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	18		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-03 Date Collected: 06/22/16 12:35

Client ID: MW-12 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: 3140 CONEY IS. AVE.
Lab Number: L1619370
Project Number: CIR1601
Report Date: 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-04
Client ID: MW-13
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 17:26
Analyst: PD

Date Collected: 06/22/16 12:00
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.78		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.6	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	140		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	3.2		ug/l	2.5	0.70	1
Trichloroethene	3.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-04 Date Collected: 06/22/16 12:00

Client ID: MW-13 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	4.4		ug/l	2.5	0.70	1
Xylenes, Total	5.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	96		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	99		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.2	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-04 Date Collected: 06/22/16 12:00

Client ID: MW-13 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.3	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.7	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-05 D
Client ID: MW-14
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 17:55
Analyst: PD

Date Collected: 06/22/16 11:15
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.6	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	200		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	7.2	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	240		ug/l	50	3.5	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	7.1	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	220		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-05 D
Client ID: MW-14
Sample Location: BROOKLYN, NY

Date Collected: 06/22/16 11:15
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
Xylenes, Total	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	2800		ug/l	120	35.	50
1,2-Dichloroethene, Total	2800		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-05 D Date Collected: 06/22/16 11:15

Client ID: MW-14 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	2000	50
p-Diethylbenzene	ND		ug/l	100	35.	50
p-Ethyltoluene	ND		ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	32.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	106		70-130

Project Name: 3140 CONEY IS. AVE.
Lab Number: L1619370
Project Number: CIR1601
Report Date: 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-06
Client ID: MW-15
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 18:23
Analyst: PD

Date Collected: 06/22/16 13:20
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	1.7	J	ug/l	2.5	0.70	1
Trichloroethene	1.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-06 Date Collected: 06/22/16 13:20

Client ID: MW-15 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	6.1		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	7.8	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-06 Date Collected: 06/22/16 13:20

Client ID: MW-15 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	11		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-07
Client ID: MLWELL (15-20')
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 18:51
Analyst: PD

Date Collected: 06/22/16 10:00
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.49	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	32		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	1.4	J	ug/l	2.5	0.70	1
Trichloroethene	0.43	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-07 Date Collected: 06/22/16 10:00

Client ID: MLWELL (15-20') Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	21	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	68		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-07 Date Collected: 06/22/16 10:00

Client ID: MLWELL (15-20') Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	5.8		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-08
Client ID: MLWELL (35-40')
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 19:19
Analyst: PD

Date Collected: 06/22/16 10:00
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.28	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.12	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.33	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-08 Date Collected: 06/22/16 10:00

Client ID: MLWELL (35-40') Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-08 Date Collected: 06/22/16 10:00

Client ID: MLWELL (35-40') Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-09
Client ID: DUPE001
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 19:47
Analyst: PD

Date Collected: 06/22/16 00:00
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	7.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.80		ug/l	0.50	0.16	1
Toluene	0.70	J	ug/l	2.5	0.70	1
Ethylbenzene	1.6	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	140		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	3.3		ug/l	2.5	0.70	1
Trichloroethene	3.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-09 Date Collected: 06/22/16 00:00

Client ID: DUPE001 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	4.4		ug/l	2.5	0.70	1
Xylenes, Total	5.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	96		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	99		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.3	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-09 Date Collected: 06/22/16 00:00

Client ID: DUPE001 Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.3	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.7	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-10
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 20:16
Analyst: PD

Date Collected: 06/22/16 16:00
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.08	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-10 Date Collected: 06/22/16 16:00

Client ID: FIELD BLANK Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-10 Date Collected: 06/22/16 16:00

Client ID: FIELD BLANK Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-11
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/30/16 20:44
Analyst: PD

Date Collected: 06/22/16 12:00
Date Received: 06/23/16
Field Prep: Not Specified

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-11 Date Collected: 06/22/16 12:00

Client ID: TRIP BLANK Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

SAMPLE RESULTS

Lab ID: L1619370-11 Date Collected: 06/22/16 12:00

Client ID: TRIP BLANK Date Received: 06/23/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/30/16 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG909417-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	2.6		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/30/16 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG909417-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619370

Project Number: CIR1601 **Report Date:** 07/15/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/30/16 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG909417-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619370

Report Date: 07/15/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG909417-3 WG909417-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	86		90		70-130	5		20
Chloroform	91		97		70-130	6		20
2-Chloroethylvinyl ether	110		110		70-130	0		20
Carbon tetrachloride	96		100		63-132	4		20
1,2-Dichloropropane	85		90		70-130	6		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	88		92		70-130	4		20
Tetrachloroethene	91		96		70-130	5		20
Chlorobenzene	89		93		75-130	4		20
Trichlorofluoromethane	94		99		62-150	5		20
1,2-Dichloroethane	93		100		70-130	7		20
1,1,1-Trichloroethane	94		100		67-130	6		20
Bromodichloromethane	93		99		67-130	6		20
trans-1,3-Dichloropropene	89		92		70-130	3		20
cis-1,3-Dichloropropene	92		97		70-130	5		20
1,1-Dichloropropene	87		93		70-130	7		20
Bromoform	97		100		54-136	3		20
1,1,2,2-Tetrachloroethane	85		89		67-130	5		20
Benzene	90		95		70-130	5		20
Toluene	84		87		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619370

Report Date: 07/15/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG909417-3 WG909417-4								
Ethylbenzene	86		90		70-130	5		20
Chloromethane	65		67		64-130	3		20
Bromomethane	120		130		39-139	8		20
Vinyl chloride	73		78		55-140	7		20
Chloroethane	80		86		55-138	7		20
1,1-Dichloroethene	92		97		61-145	5		20
trans-1,2-Dichloroethene	94		98		70-130	4		20
Trichloroethene	95		99		70-130	4		20
1,2-Dichlorobenzene	93		97		70-130	4		20
1,3-Dichlorobenzene	93		96		70-130	3		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	99		100		63-130	1		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	95		99		70-130	4		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	83		84		64-130	1		20
Acrylonitrile	84		92		70-130	9		20
Isopropyl Ether	79		84		70-130	6		20
tert-Butyl Alcohol	90		114		70-130	**24**	Q	20
Styrene	90		95		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG909417-3 WG909417-4								
Dichlorodifluoromethane	66		68		36-147	3		20
Acetone	99		93		58-148	6		20
Carbon disulfide	84		84		51-130	0		20
2-Butanone	89		72		63-138	**21**	Q	20
Vinyl acetate	83		87		70-130	5		20
4-Methyl-2-pentanone	71		75		59-130	5		20
2-Hexanone	71		76		57-130	7		20
Acrolein	85		88		40-160	3		20
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	95		98		63-133	3		20
1,2-Dibromoethane	91		98		70-130	7		20
1,3-Dichloropropane	85		89		70-130	5		20
1,1,1,2-Tetrachloroethane	92		97		64-130	5		20
Bromobenzene	91		94		70-130	3		20
n-Butylbenzene	92		93		53-136	1		20
sec-Butylbenzene	90		91		70-130	1		20
tert-Butylbenzene	92		94		70-130	2		20
o-Chlorotoluene	80		83		70-130	4		20
p-Chlorotoluene	84		86		70-130	2		20
1,2-Dibromo-3-chloropropane	95		100		41-144	5		20
Hexachlorobutadiene	100		100		63-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG909417-3 WG909417-4								
Isopropylbenzene	86		88		70-130	2		20
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	98		110		70-130	12		20
n-Propylbenzene	87		89		69-130	2		20
1,2,3-Trichlorobenzene	120		130		70-130	8		20
1,2,4-Trichlorobenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	87		90		64-130	3		20
1,2,4-Trimethylbenzene	87		90		70-130	3		20
Methyl Acetate	82		83		70-130	1		20
Ethyl Acetate	79		85		70-130	7		20
Cyclohexane	77		82		70-130	6		20
Ethyl-Tert-Butyl-Ether	88		94		70-130	7		20
Tertiary-Amyl Methyl Ether	94		100		66-130	6		20
1,4-Dioxane	84		128		56-162	**42**	Q	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		100		70-130	4		20
p-Diethylbenzene	95		98		70-130	3		20
p-Ethyltoluene	87		89		70-130	2		20
1,2,4,5-Tetramethylbenzene	93		97		70-130	4		20
Tetrahydrofuran	89		94		58-130	5		20
Ethyl ether	96		100		59-134	4		20
trans-1,4-Dichloro-2-butene	71		73		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619370

Report Date: 07/15/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG909417-3 WG909417-4								
Iodomethane	**55**	Q	70		70-130	**24**	Q	20
Methyl cyclohexane	92		98		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	91		90		70-130
4-Bromofluorobenzene	94		91		70-130
Dibromofluoromethane	107		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG909417-6 WG909417-7 QC Sample: L1619370-07 Client ID: MLWELL (15-20')												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
Dibromochloromethane	ND	10	11	110		11	110		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	110		12	120		70-130	9		20
Tetrachloroethene	0.49J	10	11	110		12	120		70-130	9		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		12	120		67-130	9		20
trans-1,3-Dichloropropene	ND	10	9.6	96		10	100		70-130	4		20
cis-1,3-Dichloropropene	ND	10	10	100		11	110		70-130	10		20
1,1-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
Bromoform	ND	10	10	100		11	110		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	9.9	99		11	110		67-130	11		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	9.8	98		10	100		70-130	2		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG909417-6 WG909417-7 QC Sample: L1619370-07 Client ID: MLWELL (15-20')												
Chloromethane	ND	10	8.5	85		8.9	89		64-130	5		20
Bromomethane	ND	10	8.7	87		11	110		39-139	**23**	Q	20
Vinyl chloride	32	10	42	100		43	110		55-140	2		20
Chloroethane	ND	10	10	100		11	110		55-138	10		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	1.4J	10	12	120		13	130		70-130	8		20
Trichloroethene	0.43J	10	12	120		12	120		70-130	0		20
1,2-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
Methyl tert butyl ether	ND	10	12	120		12	120		63-130	0		20
p/m-Xylene	ND	20	21	105		22	110		70-130	5		20
o-Xylene	ND	20	21	105		22	110		70-130	5		20
cis-1,2-Dichloroethene	20	10	31	110		32	120		70-130	3		20
Dibromomethane	ND	10	12	120		12	120		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.5	95		10	100		64-130	5		20
Acrylonitrile	ND	10	9.2	92		9.9	99		70-130	7		20
Styrene	ND	20	21	105		22	110		70-130	5		20
Dichlorodifluoromethane	ND	10	9.7	97		10	100		36-147	3		20
Acetone	68	10	73	**50**	Q	78	100		58-148	7		20
Carbon disulfide	ND	10	10	100		11	110		51-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG909417-6 WG909417-7 QC Sample: L1619370-07 Client ID: MLWELL (15-20')												
2-Butanone	ND	10	8.6	86		9.6	96		63-138	11		20
Vinyl acetate	ND	10	9.4	94		10	100		70-130	6		20
4-Methyl-2-pentanone	ND	10	9.8	98		10	100		59-130	2		20
2-Hexanone	ND	10	9.2	92		10	100		57-130	8		20
Bromochloromethane	ND	10	12	120		13	130		70-130	8		20
2,2-Dichloropropane	ND	10	10	100		11	110		63-133	10		20
1,2-Dibromoethane	ND	10	10	100		11	110		70-130	10		20
1,3-Dichloropropane	ND	10	9.6	96		10	100		70-130	4		20
1,1,1,2-Tetrachloroethane	ND	10	11	110		11	110		64-130	0		20
Bromobenzene	ND	10	10	100		11	110		70-130	10		20
n-Butylbenzene	ND	10	9.8	98		10	100		53-136	2		20
sec-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
tert-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
o-Chlorotoluene	ND	10	8.9	89		9.3	93		70-130	4		20
p-Chlorotoluene	ND	10	9.3	93		9.8	98		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	12	120		15	**150**	Q	41-144	**22**	Q	20
Hexachlorobutadiene	ND	10	10	100		12	120		63-130	18		20
Isopropylbenzene	ND	10	9.7	97		10	100		70-130	3		20
p-Isopropyltoluene	ND	10	10	100		11	110		70-130	10		20
Naphthalene	ND	10	16	**160**	Q	20	**200**	Q	70-130	**22**	Q	20
n-Propylbenzene	ND	10	9.6	96		10	100		69-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG909417-6 WG909417-7 QC Sample: L1619370-07 Client ID: MLWELL (15-20')												
1,2,3-Trichlorobenzene	ND	10	16	**160**	Q	21	**210**	Q	70-130	**27**	Q	20
1,2,4-Trichlorobenzene	ND	10	14	**140**	Q	15	**150**	Q	70-130	7		20
1,3,5-Trimethylbenzene	ND	10	9.8	98		10	100		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	9.8	98		10	100		70-130	2		20
1,4-Dioxane	ND	500	290	58		590	118		56-162	**68**	Q	20
p-Diethylbenzene	ND	10	12	120		12	120		70-130	0		20
p-Ethyltoluene	ND	10	9.6	96		10	100		70-130	4		20
1,2,4,5-Tetramethylbenzene	5.8	10	17	112		17	112		70-130	0		20
Ethyl ether	ND	10	11	110		12	120		59-134	9		20
trans-1,4-Dichloro-2-butene	ND	10	7.2	72		7.9	79		70-130	9		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	105		107		70-130
Toluene-d8	89		89		70-130

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1619370-01A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-01B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-01C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-02A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-02B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-02C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-03A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-03B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-03C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-04A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-04B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-04C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-05A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-05B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-05C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-06A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-06B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-06C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07A1	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07A2	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07B1	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07B2	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07C1	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-07C2	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-08A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-08B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619370
Report Date: 07/15/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1619370-08C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-09A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-09B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-09C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-10A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-10B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-10C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-11A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1619370-11B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	3140 CONEY IS. AVE.	**Lab Number:**	L1619370
Project Number:	CIR1601	**Report Date:**	07/15/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	3140 CONEY IS. AVE.	**Lab Number:**	L1619370
Project Number:	CIR1601	**Report Date:**	07/15/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

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

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 2 of 2

Date Rec'd in Lab: 6/23/16

ALPHA Job #: L1619370

Client Information

Client: PW Grosser Consulting
Address:
Phone:
Fax:
Email:

Project Information

Project Name:
Project Location:
Project # CIR1601
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

8260-VOC

Sample Filtration
☐ **Done**
☐ **Lab to do**
Preservation
☐ **Lab to do**
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260-VOC	Sample Specific Comments	Total Bottle
19370-01	TRIP BLANK	6/22/16	12100	DI	RM	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type			
Preservative			

Relinquished By:	Date/Time	Received By:	Date/Time
	6-23-16 815	KEM / SAC	6-23-16 815
Tom Tobin	6-23-16 1810	Tom Tobin	6-23-16 1810
			6/23/16 2234

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 6/23/16

ALPHA Job #: L1619370

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY, 11716
Phone: 631-589-6353
Fax:
Email: Jennifer.Lewis@grosser.com

Project Information

Project Name: 3140 Coney Is. Ave
Project Location: Brooklyn, NY
Project # CIR1601
(Use Project name as Project #) ☐
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Category B Data deliverables

Please specify Metals or TAL.

ANALYSIS

8260 - VOC

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 - VOC	Sample Specific Comments
19370 -01	MW-10	6/22/16	14:15	GW	RM	X	
-02	MW-11		14:45			X	
-03	MW-12		12:35			X	
-04	MW-13		12:00			X	
-05	MW-14		11:15			X	
-06	MW-15		13:20			X	
-07	MLWell (15-20')		10:00			X	MS/MSD
-08	MLWell (35-40')		10:30			X	
-09	DUPE001		XX:XX			X	
-10	FIELD BLANK		16:00	DI		X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	6-23-16 815	AAL	6-23-16 815
	6-23-16 1810		6-23-16 1810
			6/23/16 2315

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1619419
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	3140 CONEY IS. AVE.
Project Number:	CIR1601
Report Date:	06/30/16

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

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

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1619419-01	INF	SOIL_VAPOR	BROOKLYN, NY	06/22/16 15:10	06/23/16
L1619419-02	EFF	SOIL_VAPOR	BROOKLYN, NY	06/22/16 15:15	06/23/16

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Case Narrative

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

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

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

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

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

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

Project Name: 3140 CONEY IS. AVE. **Lab Number:** L1619419
Project Number: CIR1601 **Report Date:** 06/30/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 22, 2016. The canister certification results are provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 06/30/16

AIR

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619419-01
Client ID: INF
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/29/16 20:51
Analyst: MB

Date Collected: 06/22/16 15:10
Date Received: 06/23/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.475	0.200	--	2.35	0.989	--		1
Chloromethane	0.517	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.22	1.00	--	19.5	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.621	0.500	--	1.83	1.47	--		1
cis-1,2-Dichloroethene	4.14	0.200	--	16.4	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619419-01
Client ID: INF
Sample Location: BROOKLYN, NY

Date Collected: 06/22/16 15:10
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.60	0.200	--	14.0	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	36.8	0.200	--	250	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601
Lab Number: L1619419
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619419-01
Client ID: INF
Sample Location: BROOKLYN, NY
Date Collected: 06/22/16 15:10
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619419-02
Client ID: EFF
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/29/16 20:16
Analyst: MB

Date Collected: 06/22/16 15:15
Date Received: 06/23/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.430	0.200	--	2.13	0.989	--		1
Chloromethane	2.59	0.200	--	5.35	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.622	0.200	--	1.64	0.528	--		1
Ethanol	18.6	5.00	--	35.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	121	1.00	--	287	2.38	--		1
Trichlorofluoromethane	0.323	0.200	--	1.82	1.12	--		1
Isopropanol	0.835	0.500	--	2.05	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	18.8	0.500	--	57.0	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.325	0.200	--	1.29	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	28.6	0.500	--	84.3	1.47	--		1
cis-1,2-Dichloroethene	19.4	0.200	--	76.9	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619419-02
Client ID: EFF
Sample Location: BROOKLYN, NY

Date Collected: 06/22/16 15:15
Date Received: 06/23/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.597	0.200	--	2.92	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	7.05	0.200	--	22.5	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	25.7	0.200	--	88.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.936	0.200	--	5.03	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.967	0.200	--	3.96	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	13.0	0.200	--	49.0	0.754	--		1
2-Hexanone	0.450	0.200	--	1.84	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619419-02
Client ID: EFF
Sample Location: BROOKLYN, NY

Date Collected: 06/22/16 15:15
Date Received: 06/23/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601
Lab Number: L1619419
Report Date: 06/30/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/29/16 14:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG908909-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601
Lab Number: L1619419
Report Date: 06/30/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/29/16 14:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG908909-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601
Lab Number: L1619419
Report Date: 06/30/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/29/16 14:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG908909-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG908909-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	92		-		70-130	-		
Propane	89		-		70-130	-		
Dichlorodifluoromethane	91		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		
Methanol	81		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Butane	87		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethyl Alcohol	87		-		70-130	-		
Dichlorofluoromethane	86		-		70-130	-		
Vinyl bromide	92		-		70-130	-		
Acrolein	78		-		70-130	-		
Acetone	92		-		70-130	-		
Acetonitrile	89		-		70-130	-		
Trichlorofluoromethane	95		-		70-130	-		
iso-Propyl Alcohol	90		-		70-130	-		
Acrylonitrile	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619419

Report Date: 06/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG908909-3								
Pentane	88		-		70-130	-		
Ethyl ether	83		-		70-130	-		
1,1-Dichloroethene	96		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	110		-		70-130	-		
Ethyl Acetate	94		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	84		-		70-130	-		
2,2-Dichloropropane	88		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	94		-		70-130	-		
Isopropyl Ether	90		-		70-130	-		
Ethyl-Tert-Butyl-Ether	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619419

Report Date: 06/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG908909-3								
1,1,1-Trichloroethane	98		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	97		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	92		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Methyl Methacrylate	93		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	96		-		70-130	-		
1,3-Dichloropropane	94		-		70-130	-		
2-Hexanone	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619419

Report Date: 06/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG908909-3								
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	91		-		70-130	-		
Tetrachloroethene	95		-		70-130	-		
1,1,1,2-Tetrachloroethane	94		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	105		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	94		-		70-130	-		
Isopropylbenzene	99		-		70-130	-		
Bromobenzene	96		-		70-130	-		
o-Chlorotoluene	96		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE.

Project Number: CIR1601

Lab Number: L1619419

Report Date: 06/30/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG908909-3								
1,3,5-Trimethylbenzene	102		-		70-130	-		
tert-Butylbenzene	101		-		70-130	-		
1,2,4-Trimethylbenzene	111		-		70-130	-		
Decane (C10)	98		-		70-130	-		
Benzyl chloride	106		-		70-130	-		
1,3-Dichlorobenzene	106		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
sec-Butylbenzene	99		-		70-130	-		
p-Isopropyltoluene	94		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
n-Butylbenzene	105		-		70-130	-		
1,2-Dibromo-3-chloropropane	97		-		70-130	-		
Undecane	104		-		70-130	-		
Dodecane (C12)	114		-		70-130	-		
1,2,4-Trichlorobenzene	110		-		70-130	-		
Naphthalene	107		-		70-130	-		
1,2,3-Trichlorobenzene	104		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG908909-5 QC Sample: L1619439-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.402	0.360	ppbV	11		25
Chloromethane	0.548	0.574	ppbV	5		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	3.28	3.34	ppbV	2		25
Trichlorofluoromethane	0.231	0.238	ppbV	3		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG908909-5 QC Sample: L1619439-02 Client ID: DUP Sample					
2-Butanone	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.202	ND	ppbV	NC	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG908909-5 QC Sample: L1619439-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 3140 CONEY IS. AVE.

Lab Number: L1619419

Project Number: CIR1601

Report Date: 06/30/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1619419-01	INF	362	2.7L Can	06/22/16	224320	L1618444-01	Pass	-29.6	-2.5	-	-	-	-
L1619419-02	EFF	1720	2.7L Can	06/22/16	224320	L1618444-01	Pass	-29.8	-1.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/16/16 18:58
Analyst: RY

Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1618444

Project Number: CANISTER QC BAT **Report Date:** 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/16/16 18:58
Analyst: RY

Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:

Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1618444
Report Date: 06/30/16

Air Canister Certification Results

Lab ID: L1618444-01
Client ID: CAN 535 SHELF 9
Sample Location:
Date Collected: 06/15/16 16:00
Date Received: 06/16/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: 3140 CONEY IS. AVE.
Project Number: CIR1601

Lab Number: L1619419
Report Date: 06/30/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**

Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1619419-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1619419-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	3140 CONEY IS. AVE.	**Lab Number:**	L1619419
Project Number:	CIR1601	**Report Date:**	06/30/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: Data Usability Report

Project Name:	3140 CONEY IS. AVE.	**Lab Number:**	L1619419
Project Number:	CIR1601	**Report Date:**	06/30/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

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

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 6/24/16

ALPHA Job #: L1619419

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY, 11716
Phone: 631-589-6353
Fax:
Email: JenniferL@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 3140 Coney Is Ave
Project Location: Brooklyn, NY
Project #: CIR1601
Project Manager: Jennifer Lewis
ALPHA Quote #:

Turn-Around Time

☐ ~~Standard~~ ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info | PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
19419.01	INF	6/22/16	15:09	15:10	-29.00	-5.00	INF	RM	2.7L	362		X					
.02	EFF	↓	15:14	15:15	-29.00	-5.00	EFF	~	↓	1720		X					

ANALYSIS

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	6-23-16 815		6-23-16 815
	6-23-16 0025		6-24-16 0025
	6-24-16 05:15		6/24/16 05:15

Form No: 301-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L1620075
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	4031 CONEY ISLAND AVE.
Project Number:	CIR1601
Report Date:	07/06/16

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

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

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 4031 CONEY ISLAND AVE.
Project Number: CIR1601

Lab Number: L1620075
Report Date: 07/06/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1620075-01	PRODUCT ID-MW-16	OIL	BROOKLYN, NY	06/29/16 14:00	06/29/16

Project Name: 4031 CONEY ISLAND AVE. **Lab Number:** L1620075
Project Number: CIR1601 **Report Date:** 07/06/16

Case Narrative

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

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

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

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

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

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

Project Name:	4031 CONEY ISLAND AVE.	**Lab Number:**	L1620075
Project Number:	CIR1601	**Report Date:**	07/06/16

Case Narrative (continued)

Report Submission

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

Petroleum Hydrocarbon Identification by GC-FID

Petroleum Hydrocarbon Quantitation / Total Petroleum Hydrocarbons (TPH) by GC/FID

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

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

Total Petroleum Hydrocarbon Identification

L1620075-01 contains material eluting in the range of n-Nonane (C9) to after the elution of n-Octatriacontane (C38).

Based on the data generated, L1620075-01 contains a mixture of material eluting in the low, mid and high molecular weight ranges of the chromatogram. The mixture is a combination of Diesel Fuel/Fuel Oil #2 and material which is similar to a lubricating, motor or waste oil type product. As the product deteriorates, the n-alkanes are preferentially degraded, leaving behind other constituents such as isoprenoids.

Project Name:	4031 CONEY ISLAND AVE.	**Lab Number:**	L1620075
Project Number:	CIR1601	**Report Date:**	07/06/16

Case Narrative (continued)

The analytical testing of the sample identified a pattern of isoprenoids. The level of alkanes and their ratios to the isoprenoids present indicates that the fuel oil has undergone degradation.

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

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 07/06/16

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: 4031 CONEY ISLAND AVE.
Lab Number: L1620075
Project Number: CIR1601
Report Date: 07/06/16

SAMPLE RESULTS

Lab ID: L1620075-01
Client ID: PRODUCT ID-MW-16
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8015D(M)
Analytical Date: 07/05/16 22:55
Analyst: AC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 06/29/16 14:00
Date Received: 06/29/16
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 07/01/16 14:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	642000		mg/kg	5120	2560	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		50-130
d50-Tetracosane	97		50-130

Project Name: 4031 CONEY ISLAND AVE.
Project Number: CIR1601
Lab Number: L1620075
Report Date: 07/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/05/16 18:29
Analyst: AC

Extraction Method: EPA 3580A
Extraction Date: 07/01/16 14:19

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab for sample(s): 01 Batch: WG909769-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		mg/kg	6600	3300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	104		50-130
d50-Tetracosane	105		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 4031 CONEY ISLAND AVE.

Project Number: CIR1601

Lab Number: L1620075

Report Date: 07/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab Associated sample(s): 01 Batch: WG909769-2 WG909769-3								
Nonane (C9)	94		92		50-130	2		30
Decane (C10)	92		91		50-130	1		30
Dodecane (C12)	101		100		50-130	1		30
Tetradecane (C14)	103		102		50-130	1		30
Hexadecane (C16)	113		112		50-130	1		30
Octadecane (C18)	112		112		50-130	0		30
Nonadecane (C19)	101		101		50-130	0		30
Eicosane (C20)	104		104		50-130	0		30
Docosane (C22)	105		106		50-130	1		30
Tetracosane (C24)	107		105		50-130	2		30
Hexacosane (C26)	103		104		50-130	1		30
Octacosane (C28)	111		108		50-130	3		30
Triacontane (C30)	104		106		50-130	2		30
Hexatriacontane (C36)	101		102		50-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	103		102		50-130
d50-Tetracosane	100		99		50-130

Project Name: 4031 CONEY ISLAND AVE.
Project Number: CIR1601

Lab Number: L1620075
Report Date: 07/06/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1620075-01A	Plastic 250ml unpreserved	A	N/A	2.4	Y	Absent	A2-PHI(365),TS100()

*Values in parentheses indicate holding time in days

Project Name:	4031 CONEY ISLAND AVE.	**Lab Number:**	L1620075
Project Number:	CIR1601	**Report Date:**	07/06/16

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	4031 CONEY ISLAND AVE.	**Lab Number:**	L1620075
Project Number:	CIR1601	**Report Date:**	07/06/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	4031 CONEY ISLAND AVE.	**Lab Number:**	L1620075
Project Number:	CIR1601	**Report Date:**	07/06/16

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

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

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 6/30/16

ALPHA Job #: L4620075

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: Jennifer.l@pwgrosser.com

Project Information

Project Name: 4031 Cancy Island Ave
Project Location: Brooklyn, NY
Project #: CLR1601
(Use Project name as Project #) ☐
Project Manager: Jen Lewis
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Site Information

Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Product ID Singer

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
20075.01	Product ID-MW-16	6/29/16	14:00	GW	RA	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

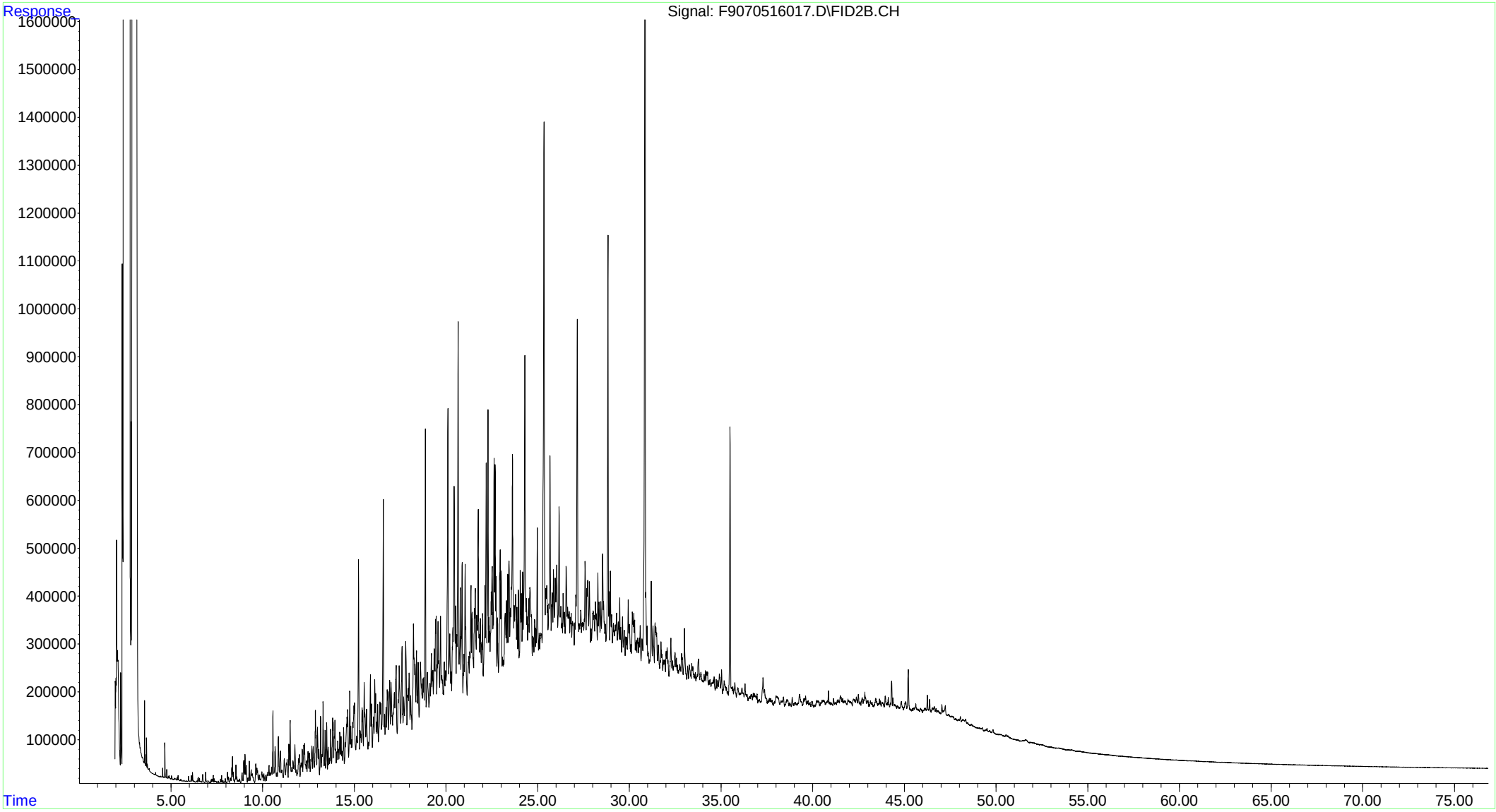
Relinquished By:	Date/Time	Received By:	Date/Time
	6/29/16 14:46	Scott Pugh	6/29/16 14:46
Scott Pugh	6/29/16 1820	Tom Tobin	6-29-16 1820
Tom Tobin			6/29/16 2255
	6/30/16 03:15	Al Wilkens	6-30-16 03:15
Al Wilkens	6-30-16 04:20		6/30/16 04:20

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

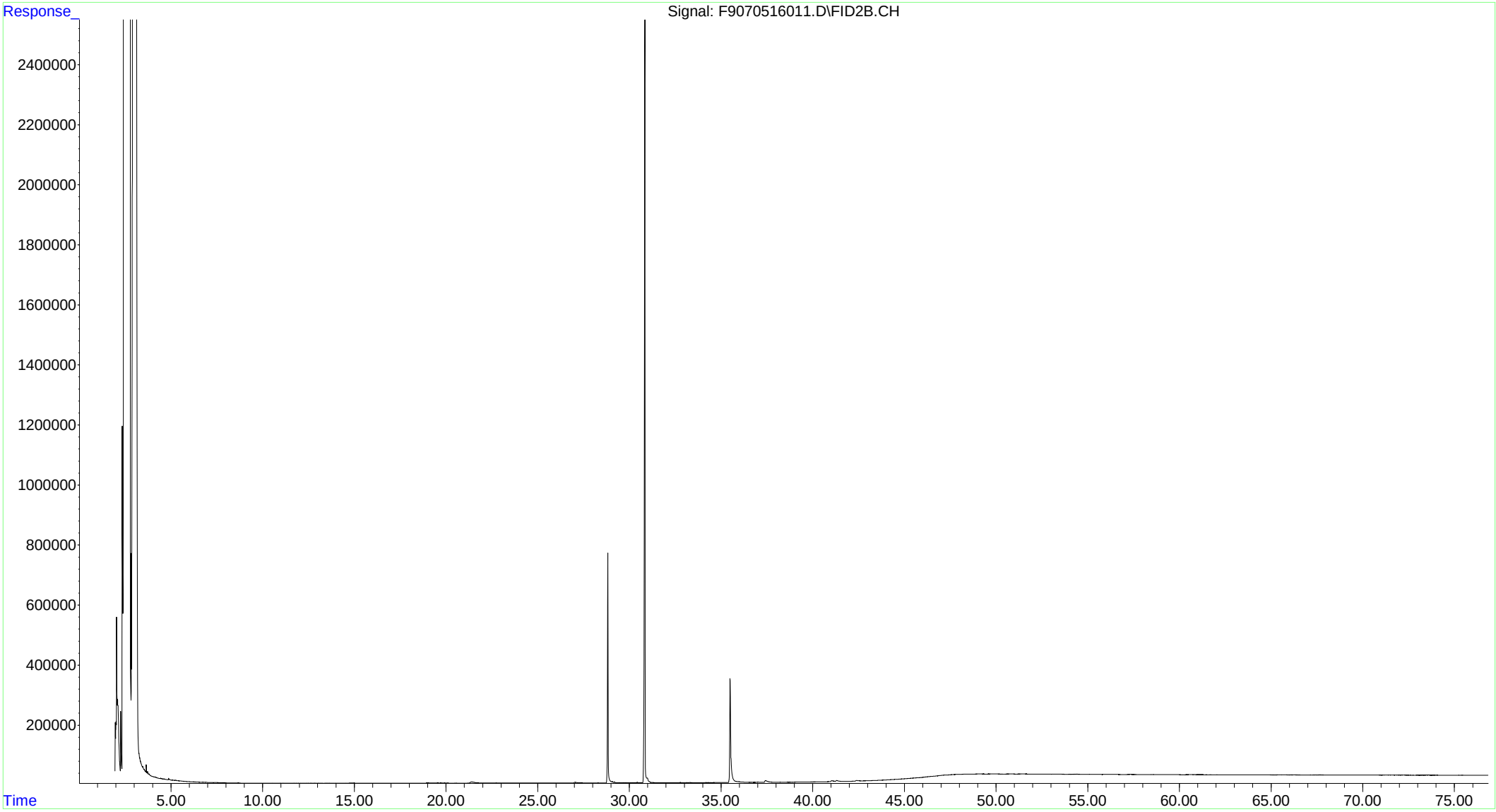
Form No: 01-14 HC (rev. 30-Sept-2013)

GC-FID Chromatogram

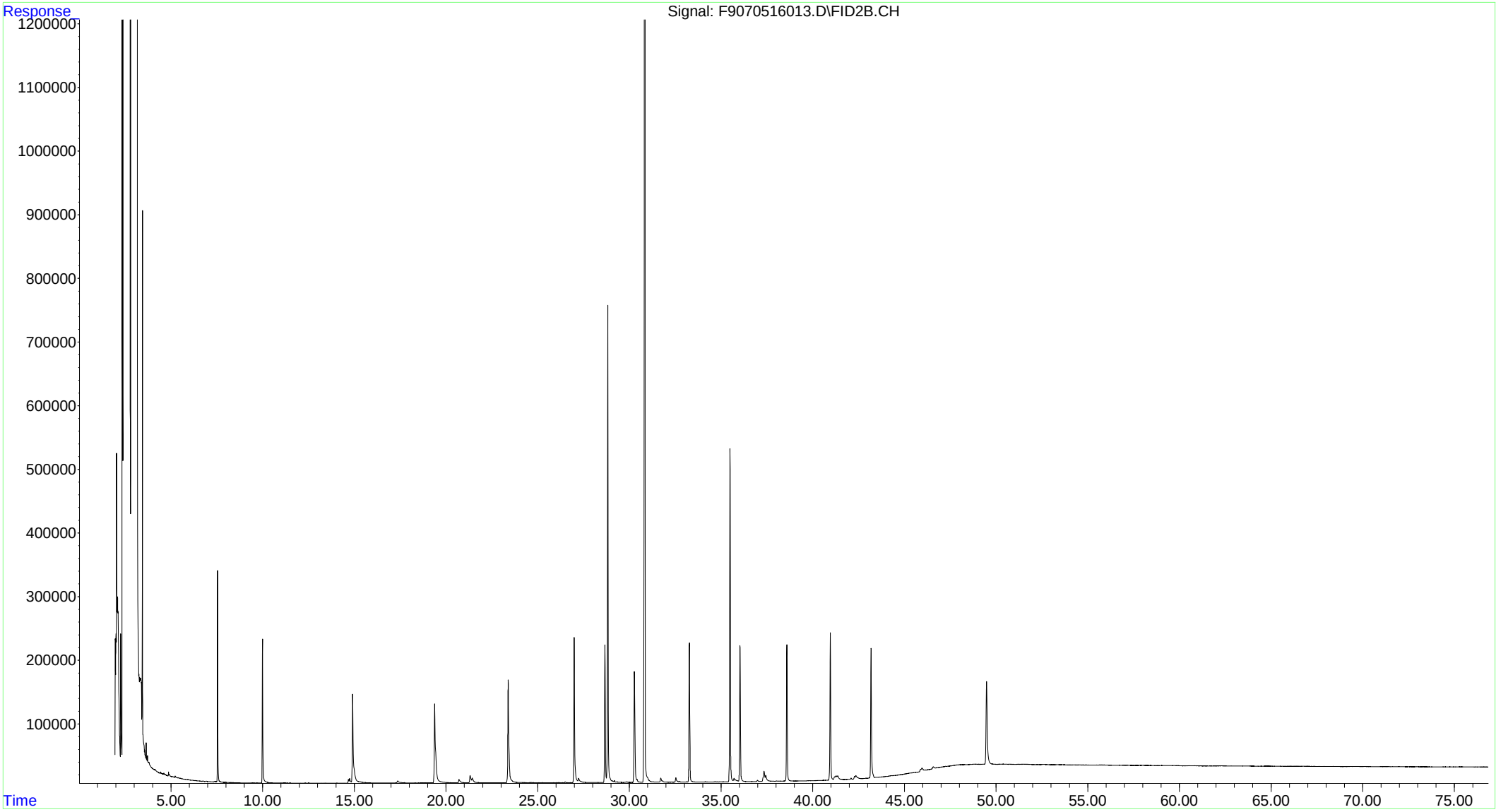
File :O:\Forensics\Data\FID9\2016\July\JULY05.SEC\F9070516017.D
Operator : FID9:AC
Acquired : 05 Jul 2016 10:55 pm using AcqMethod FID9A.M
Instrument : FID 9
Sample : L1620075-01
Misc Info : WG910753,WG909769,ICAL11613
ALS Vial : 59



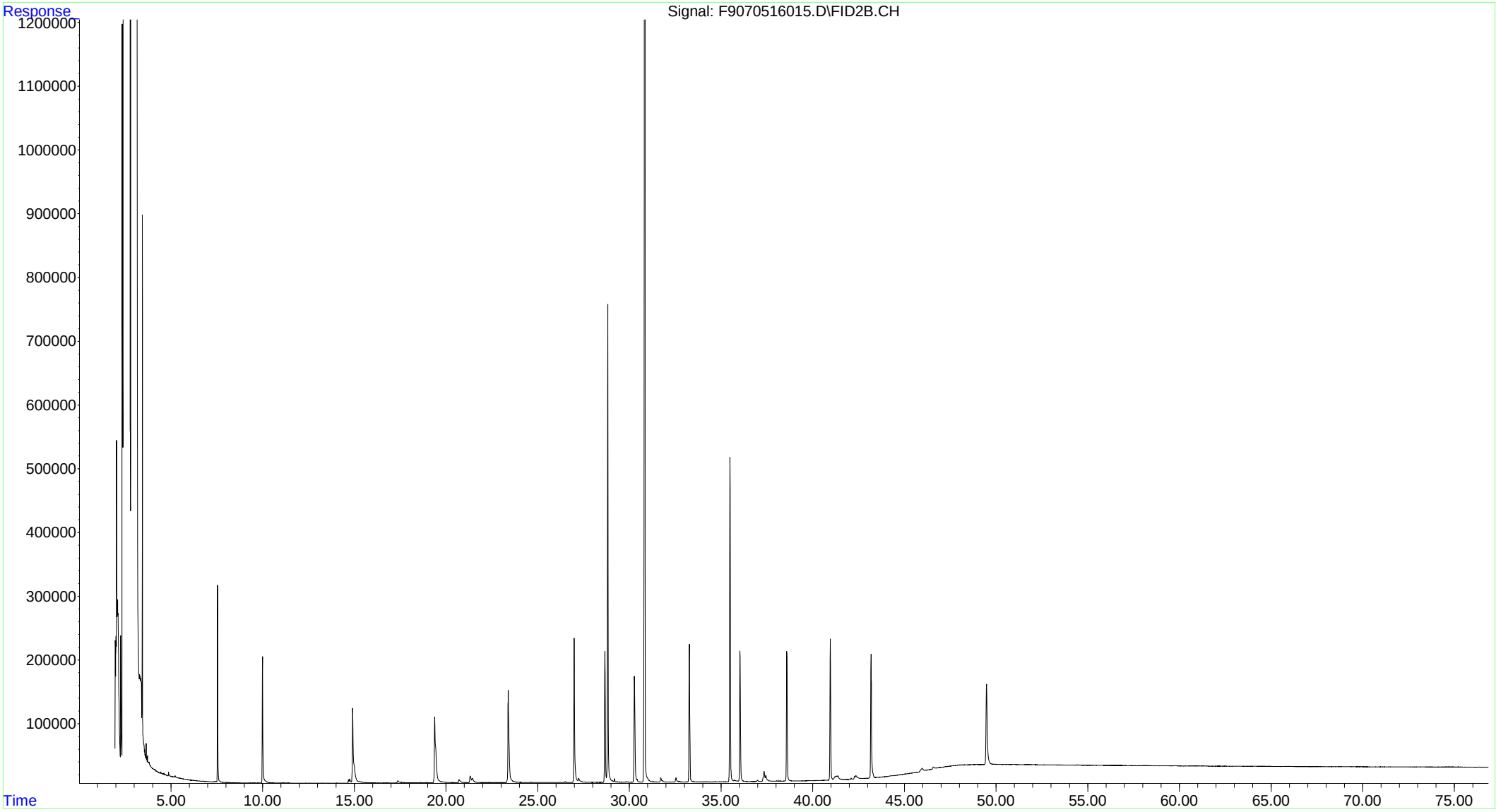
File :O:\Forensics\Data\FID9\2016\July\JULY05.SEC\F9070516011.D
Operator : FID9:AC
Acquired : 05 Jul 2016 6:29 pm using AcqMethod FID9A.M
Instrument : FID 9
Sample : WG909769-1 (Method Blank)
Misc Info : WG910753,WG909769,ICAL11613
ALS Vial : 56



File :O:\Forensics\Data\FID9\2016\July\JULY05.SEC\F9070516013.D
Operator : FID9:AC
Acquired : 05 Jul 2016 7:58 pm using AcqMethod FID9A.M
Instrument : FID 9
Sample : WG909769-2 (Laboratory Control Sample)
Misc Info : WG910753,WG909769,ICAL11613
ALS Vial : 57



File :O:\Forensics\Data\FID9\2016\July\JULY05.SEC\F9070516015.D
Operator : FID9:AC
Acquired : 05 Jul 2016 9:27 pm using AcqMethod FID9A.M
Instrument : FID 9
Sample : WG909769-3 (Laboratory Control Sample Duplicate)
Misc Info : WG910753,WG909769,ICAL11613
ALS Vial : 58



Petroleum Reference Standards

Data Path : O:\Forensics\Data\FID9\2016\July\JULY05.SEC\
Data File : F9070516019.D
Signal(s) : FID2B.CH
Acq On : 06 Jul 2016 12:23 am
Operator : FID9:AC
Sample : Alkane Reference Standard (C8 - C40)
Misc : WG910753,,FRAX21 50ug/ml
ALS Vial : 60 Sample Multiplier: 1

Integration File: SHCINT2.E
Quant Time: Jul 06 15:00:49 2016
Quant Method : O:\Forensics\Data\FID9\2016\July\JULY05.SEC\HC9102015R.M
Quant Title : FID Forensics
QLast Update : Thu Jun 23 16:06:02 2016
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Sub List : CCAL - CCAL

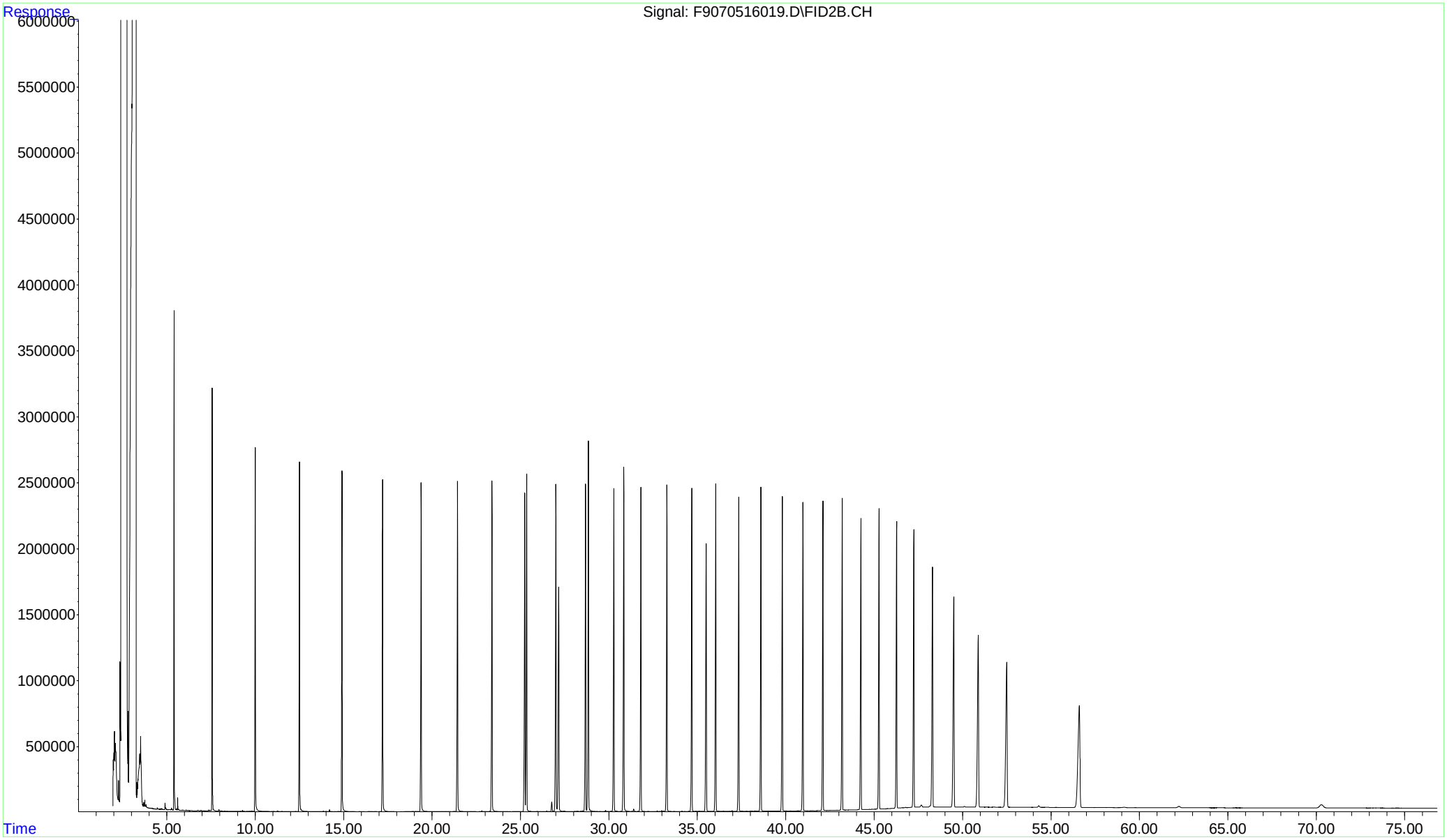
	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5-alpha-androstane	30.843	64361229	50.000 ug/mL M4
	System Monitoring Compounds			
19) s	ortho-terphenyl	28.841	66205338	48.156 ug/mL M4
Spiked Amount	50.000 Range 50 - 130		Recovery =	96.31%
24) s	d50-Tetracosane	35.498	55900737	48.820 ug/mL M4
Spiked Amount	50.000 Range 50 - 130		Recovery =	97.64%
	Target Compounds			
2) t	n-Octane (C8)	5.416	45967010	44.227 ug/mL M4
3) t	n-Nonane (C9)	7.563	48534332	43.986 ug/mL M4
4) t	n-Decane (C10)	10.009	51510439	44.767 ug/mL M4
5) t	n-Undecane (C11)	12.499	53342520	46.038 ug/mL M4
6) t	n-Dodecane (C12)	14.911	54654429	46.587 ug/mL M4
7) t	n-Tridecane (C13)	17.208	55294011	46.918 ug/mL M4
9) t	n-Tetradecane (C14)	19.382	56116555	47.195 ug/mL M4
11) t	n-Pentadecane (C15)	21.438	57396766	47.559 ug/mL M4
12) t	n-Hexadecane (C16)	23.387	57532688	47.913 ug/mL M4
14) t	n-Heptadecane (C17)	25.240	57334556	47.436 ug/mL M4
15) t	Pristane	25.349	58435084	48.273 ug/mL M4
16) t	n-Octadecane (C18)	27.000	58819244	48.071 ug/mL M4
17) t	Phytane	27.161	51711003	48.224 ug/mL M4
18) t	n-Nonadecane (C19)	28.678	58169902	47.959 ug/mL M4
20) t	n-Eicosane (C20)	30.280	58117309	48.089 ug/mL M4
21) t	n-Heneicosane (C21)	31.810	58617749	48.176 ug/mL M4
22) t	n-Docosane (C22)	33.280	58841752	48.007 ug/mL M4
23) t	n-Tricosane (C23)	34.689	59203203	48.065 ug/mL M4
25) t	n-Tetracosane (C24)	36.042	59118594	47.888 ug/mL M4
26) t	n-Pentacosane (C25)	37.344	58551380	47.788 ug/mL M4
27) t	n-Hexacosane (C26)	38.598	59682742	47.842 ug/mL M4
28) t	n-Heptacosane (C27)	39.807	58821418	47.781 ug/mL M4
29) t	n-Octacosane (C28)	40.975	58430212	47.466 ug/mL M4
30) t	n-Nonacosane (C29)	42.103	58561900	47.566 ug/mL M4
31) t	n-Triacontane (C30)	43.195	58378566	47.488 ug/mL M4
32) t	n-Hentriacontane (C31)	44.252	58182568	47.423 ug/mL M4
33) t	n-Dotriacontane (C32)	45.277	58621033	47.518 ug/mL M4
34) t	n-Tritriacontane (C33)	46.269	55347790	47.612 ug/mL M4
35) t	n-tetratriacontane (C34)	47.244	57881012	47.751 ug/mL M4
36) t	n-Pentatriacontane (C35)	48.301	58215711	47.833 ug/mL M4
37) t	n-Hexatriacontane (C36)	49.503	59899393	48.266 ug/mL M4
38) t	n-Heptatriacontane (C37)	50.885	58542331	48.323 ug/mL M4
39) t	n-Octatriacontane (C38)	52.500	57298500	47.998 ug/mL M4
41) t	n-Tetracontane (C40)	56.598	59153451	48.646 ug/mL M4

SemiQuant Compounds - Not Calibrated on this Instrument

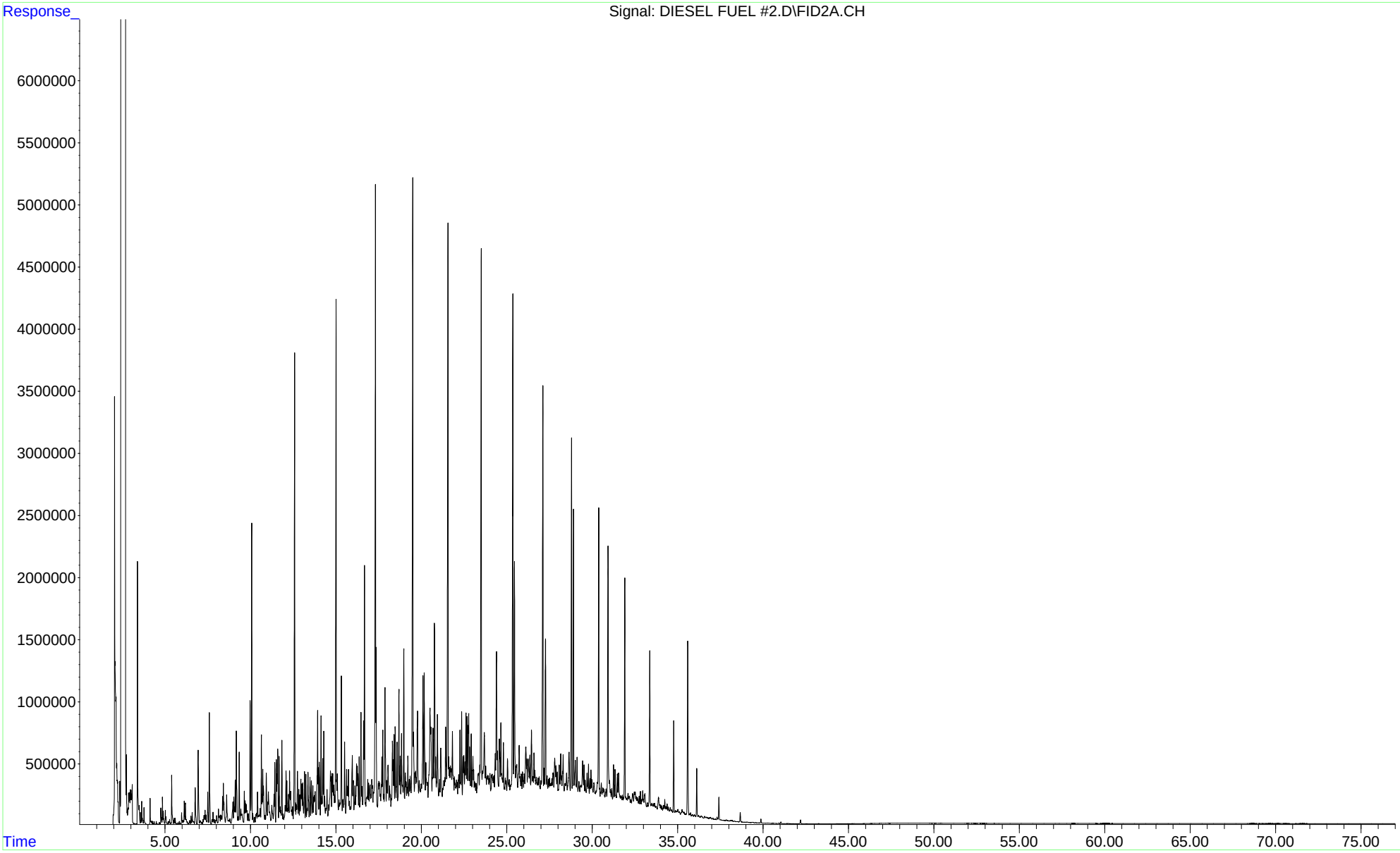
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

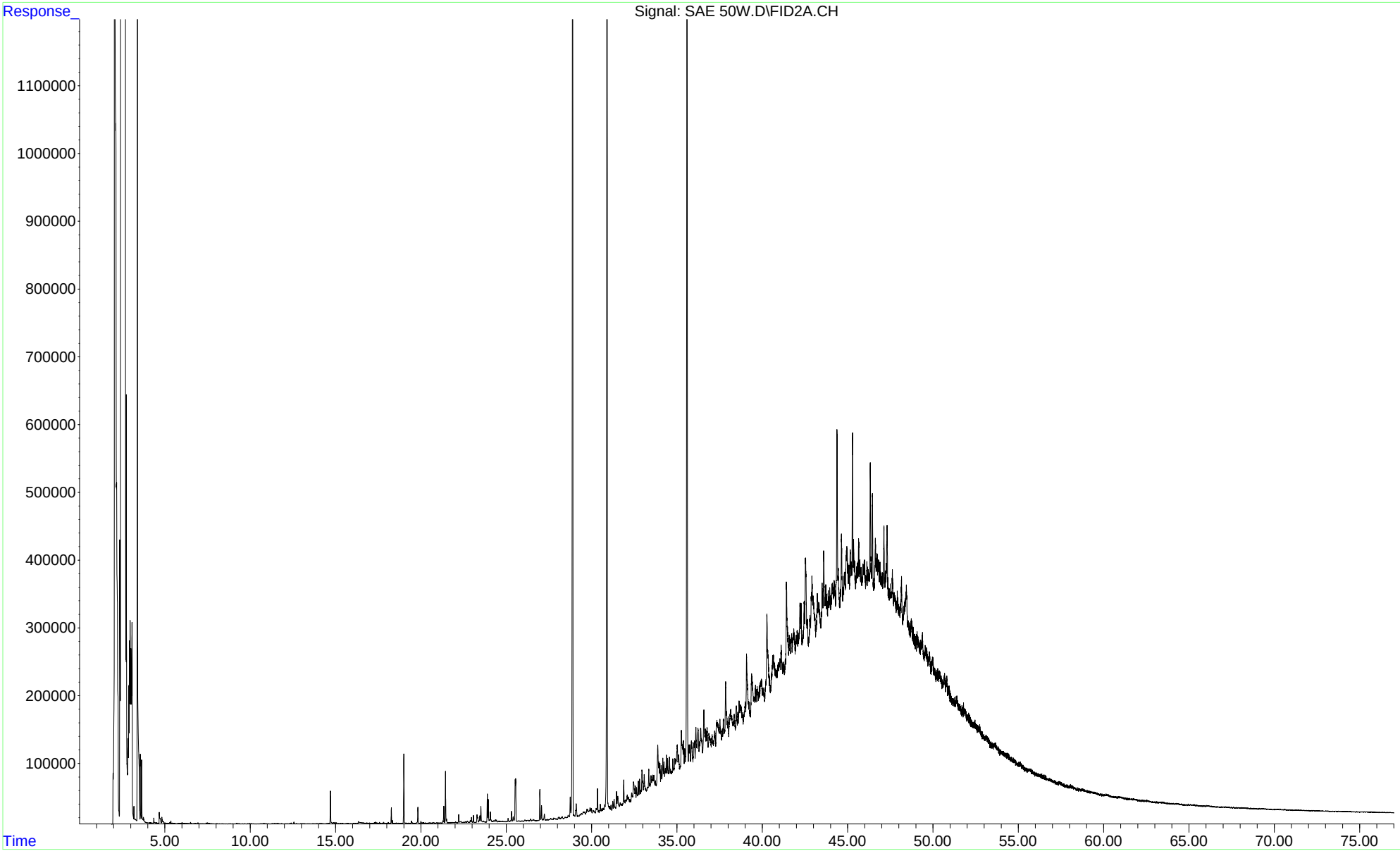
Data Path : O:\Forensics\Data\FID9\2016\July\JULY05.SEC\
Data File : F9070516019.D
Operator : FID9:AC
Acquired : 06 Jul 2016 12:23 am using AcqMethod FID9A.M
Instrument: FID 9
Sample : Alkane Reference Standard (C8 - C40)
Misc Info : WG910753,,FRAX21 50ug/ml
ALS Vial : 60



```
File       :O:\FORENSICS\LIBRARY\HYDROCARBON REFERENCE STANDARDS\DIESEL
...         FUEL #2.D
Operator  : PAH2:AC
Instrument :   PAH 2
Acquired  : 18 Nov 2011   8:19 pm using AcqMethod FRNC2AF.M
Sample    : #2 DIESEL FUEL
Misc Info : F050410A
```



```
File       :O:\FORENSICS\LIBRARY\HYDROCARBON REFERENCE STANDARDS\SAE 50W
...         .D
Operator  : PAH2:AC
Instrument :   PAH 2
Acquired  : 19 Nov 2011   2:34 am using AcqMethod FRNC2AF.M
Sample    : SAE 50W
Misc Info : F050410E
```



ANALYTICAL REPORT

Lab Number:	L1609110
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	3140 CONEY IS., AVE
Project Number:	CIR1601
Report Date:	04/06/16

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

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

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

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1609110-01	MW-10	WATER	BROOKLYN, NY	03/29/16 14:31	03/30/16
L1609110-02	MW-11	WATER	BROOKLYN, NY	03/29/16 14:55	03/30/16
L1609110-03	MW-12	WATER	BROOKLYN, NY	03/29/16 10:40	03/30/16
L1609110-04	MW-13	WATER	BROOKLYN, NY	03/29/16 11:00	03/30/16
L1609110-05	MW-14	WATER	BROOKLYN, NY	03/29/16 11:30	03/30/16
L1609110-06	MW-15	WATER	BROOKLYN, NY	03/29/16 13:40	03/30/16
L1609110-07	ML WELL (15-20')	WATER	BROOKLYN, NY	03/29/16 12:05	03/30/16
L1609110-08	ML WELL (35-40')	WATER	BROOKLYN, NY	03/29/16 12:50	03/30/16
L1609110-09	DUPE001	WATER	BROOKLYN, NY	03/29/16 00:00	03/30/16
L1609110-10	FIELD BLANK	WATER	BROOKLYN, NY	03/29/16 00:00	03/30/16
L1609110-11	TRIP BLANK	WATER	BROOKLYN, NY	03/29/16 15:00	03/30/16

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Case Narrative

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

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

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

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

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

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

Project Name:	3140 CONEY IS., AVE	**Lab Number:**	L1609110
Project Number:	CIR1601	**Report Date:**	04/06/16

Case Narrative (continued)

Report Submission

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

Volatile Organics

The WG880523-4/-5 MS/MSD recoveries, performed on L1609110-06, are below the acceptance criteria for 1,2,4,5-tetramethylbenzene (0%/0%) due to the concentrations of these compounds falling below the reported detection limits.

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

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 04/06/16

ORGANICS

VOLATILES

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-01
Client ID: MW-10
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 13:21
Analyst: PD

Date Collected: 03/29/16 14:31
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.47	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.60	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.46	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-01 Date Collected: 03/29/16 14:31

Client ID: MW-10 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-01
Client ID: MW-10
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 14:31
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-02
Client ID: MW-11
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 13:54
Analyst: PD

Date Collected: 03/29/16 14:55
Date Received: 03/30/16
Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-02 Date Collected: 03/29/16 14:55

Client ID: MW-11 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-02
Client ID: MW-11
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 14:55
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-03
Client ID: MW-12
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 14:27
Analyst: PD

Date Collected: 03/29/16 10:40
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.37	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	13		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.64		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-03 Date Collected: 03/29/16 10:40

Client ID: MW-12 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	15		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-03
Client ID: MW-12
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 10:40
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-04
Client ID: MW-13
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 15:00
Analyst: PD

Date Collected: 03/29/16 11:00
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	8.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.51		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.7	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	98		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	2.3	J	ug/l	2.5	0.70	1
Trichloroethene	2.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-04 Date Collected: 03/29/16 11:00

Client ID: MW-13 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	3.7		ug/l	2.5	0.70	1
Xylenes, Total	4.9	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	72		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	74	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.99	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.8	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.82	J	ug/l	2.5	0.70	1
n-Propylbenzene	0.76	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-04
Client ID: MW-13
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 11:00
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3.9		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	2.8		ug/l	2.0	0.70	1
p-Ethyltoluene	1.1	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.3	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-05
Client ID: MW-14
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 15:33
Analyst: PD

Date Collected: 03/29/16 11:30
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	150		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	0.17	J	ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	1.6		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	60		ug/l	2.5	0.70	1
Trichloroethene	56		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-05 Date Collected: 03/29/16 11:30

Client ID: MW-14 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1000	E	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-05
Client ID: MW-14
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 11:30
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-05 D
Client ID: MW-14
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/16 10:26
Analyst: PD

Date Collected: 03/29/16 11:30
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,2-Dichloroethene	1900		ug/l	50	14.	20
1,2-Dichloroethene, Total	2000		ug/l	2.5	0.70	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	95		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-06
Client ID: MW-15
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/16 10:54
Analyst: PD

Date Collected: 03/29/16 13:40
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.78		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	14		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	2.4	J	ug/l	2.5	0.70	1
Trichloroethene	0.67		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-06 Date Collected: 03/29/16 13:40

Client ID: MW-15 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	6.6		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	9.0	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	0.87	J	ug/l	2.5	0.70	1
sec-Butylbenzene	1.3	J	ug/l	2.5	0.70	1
tert-Butylbenzene	0.95	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.81	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-06 Date Collected: 03/29/16 13:40

Client ID: MW-15 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	22		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	95		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-07
Client ID: ML WELL (15-20')
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 16:38
Analyst: PD

Date Collected: 03/29/16 12:05
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	50		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	0.56		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-07 Date Collected: 03/29/16 12:05

Client ID: ML WELL (15-20') Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	26		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	27	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.87	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-07
Client ID: ML WELL (15-20')
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 12:05
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	5.0		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.6	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-08
Client ID: ML WELL (35-40')
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 17:11
Analyst: PD

Date Collected: 03/29/16 12:50
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.21	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-08 Date Collected: 03/29/16 12:50

Client ID: ML WELL (35-40') Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.74	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.74	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-08
Client ID: ML WELL (35-40')
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 12:50
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-09
Client ID: DUPE001
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 17:44
Analyst: PD

Date Collected: 03/29/16 00:00
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	9.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.46	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.6	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	74		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-09 Date Collected: 03/29/16 00:00

Client ID: DUPE001 Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	3.2		ug/l	2.5	0.70	1
Xylenes, Total	4.2	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	58		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	60	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	1.0	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	1.8	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	0.77	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-09
Client ID: DUPE001
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 00:00
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3.2		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	3.5		ug/l	2.0	0.70	1
p-Ethyltoluene	1.1	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.5	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-10
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 12:15
Analyst: PD

Date Collected: 03/29/16 00:00
Date Received: 03/30/16
Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-10 Date Collected: 03/29/16 00:00

Client ID: FIELD BLANK Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-10
Client ID: FIELD BLANK
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 00:00
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-11
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/16 12:48
Analyst: PD

Date Collected: 03/29/16 15:00
Date Received: 03/30/16
Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE **Lab Number:** L1609110

Project Number: CIR1601 **Report Date:** 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-11 Date Collected: 03/29/16 15:00

Client ID: TRIP BLANK Date Received: 03/30/16

Sample Location: BROOKLYN, NY Field Prep: Not Specified

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

Project Name: 3140 CONEY IS., AVE
Lab Number: L1609110
Project Number: CIR1601
Report Date: 04/06/16

SAMPLE RESULTS

Lab ID: L1609110-11
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 15:00
Date Received: 03/30/16
Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/16 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-11 Batch: WG880523-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/16 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-11 Batch: WG880523-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/16 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-11 Batch: WG880523-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/16 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG880523-8					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/16 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG880523-8					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601
Lab Number: L1609110
Report Date: 04/06/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/16 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG880523-8					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS., AVE

Project Number: CIR1601

Lab Number: L1609110

Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG880523-1 WG880523-2								
Methylene chloride	85		87		70-130	2		20
1,1-Dichloroethane	87		87		70-130	0		20
Chloroform	88		88		70-130	0		20
Carbon tetrachloride	91		90		63-132	1		20
1,2-Dichloropropane	85		87		70-130	2		20
Dibromochloromethane	85		87		63-130	2		20
1,1,2-Trichloroethane	84		86		70-130	2		20
Tetrachloroethene	89		87		70-130	2		20
Chlorobenzene	86		87		75-130	1		20
Trichlorofluoromethane	86		86		62-150	0		20
1,2-Dichloroethane	84		86		70-130	2		20
1,1,1-Trichloroethane	96		94		67-130	2		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	92		92		70-130	0		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
1,1-Dichloropropene	87		86		70-130	1		20
Bromoform	87		88		54-136	1		20
1,1,2,2-Tetrachloroethane	78		80		67-130	3		20
Benzene	88		88		70-130	0		20
Toluene	87		88		70-130	1		20
Ethylbenzene	89		89		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS., AVE

Project Number: CIR1601

Lab Number: L1609110

Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG880523-1 WG880523-2								
Chloromethane	73		75		64-130	3		20
Bromomethane	58		59		39-139	2		20
Vinyl chloride	90		89		55-140	1		20
Chloroethane	90		90		55-138	0		20
1,1-Dichloroethene	91		89		61-145	2		20
trans-1,2-Dichloroethene	89		88		70-130	1		20
Trichloroethene	89		87		70-130	2		20
1,2-Dichlorobenzene	84		85		70-130	1		20
1,3-Dichlorobenzene	86		85		70-130	1		20
1,4-Dichlorobenzene	85		84		70-130	1		20
Methyl tert butyl ether	74		76		63-130	3		20
p/m-Xylene	88		88		70-130	0		20
o-Xylene	87		89		70-130	2		20
cis-1,2-Dichloroethene	90		89		70-130	1		20
Dibromomethane	81		83		70-130	2		20
1,2,3-Trichloropropane	75		78		64-130	4		20
Acrylonitrile	82		84		70-130	2		20
Styrene	91		93		70-130	2		20
Dichlorodifluoromethane	83		84		36-147	1		20
Acetone	80		81		58-148	1		20
Carbon disulfide	78		78		51-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS., AVE

Project Number: CIR1601

Lab Number: L1609110

Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG880523-1 WG880523-2								
2-Butanone	70		71		63-138	1		20
Vinyl acetate	90		93		70-130	3		20
4-Methyl-2-pentanone	75		77		59-130	3		20
2-Hexanone	72		77		57-130	7		20
Bromochloromethane	94		97		70-130	3		20
2,2-Dichloropropane	92		90		63-133	2		20
1,2-Dibromoethane	83		86		70-130	4		20
1,3-Dichloropropane	82		84		70-130	2		20
1,1,1,2-Tetrachloroethane	94		96		64-130	2		20
Bromobenzene	85		86		70-130	1		20
n-Butylbenzene	87		86		53-136	1		20
sec-Butylbenzene	87		85		70-130	2		20
tert-Butylbenzene	84		83		70-130	1		20
o-Chlorotoluene	84		84		70-130	0		20
p-Chlorotoluene	85		85		70-130	0		20
1,2-Dibromo-3-chloropropane	82		83		41-144	1		20
Hexachlorobutadiene	81		80		63-130	1		20
Isopropylbenzene	87		87		70-130	0		20
p-Isopropyltoluene	85		84		70-130	1		20
Naphthalene	74		75		70-130	1		20
n-Propylbenzene	88		86		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS., AVE

Project Number: CIR1601

Lab Number: L1609110

Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG880523-1 WG880523-2								
1,2,3-Trichlorobenzene	78		78		70-130	0		20
1,2,4-Trichlorobenzene	84		84		70-130	0		20
1,3,5-Trimethylbenzene	85		85		64-130	0		20
1,2,4-Trimethylbenzene	87		85		70-130	2		20
1,4-Dioxane	69		70		56-162	1		20
p-Diethylbenzene	84		82		70-130	2		20
p-Ethyltoluene	88		87		70-130	1		20
1,2,4,5-Tetramethylbenzene	90		89		70-130	1		20
Ethyl ether	87		87		59-134	0		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS., AVE

Project Number: CIR1601

Lab Number: L1609110

Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG880523-6 WG880523-7								
Methylene chloride	103		109		70-130	6		20
1,1-Dichloroethane	130		**135**	Q	70-130	4		20
Chloroform	110		115		70-130	4		20
Carbon tetrachloride	106		110		63-132	4		20
1,2-Dichloropropane	119		126		70-130	6		20
Dibromochloromethane	92		99		63-130	7		20
1,1,2-Trichloroethane	98		105		70-130	7		20
Tetrachloroethene	87		89		70-130	2		20
Chlorobenzene	98		102		75-130	4		20
Trichlorofluoromethane	101		104		62-150	3		20
1,2-Dichloroethane	113		122		70-130	8		20
1,1,1-Trichloroethane	108		112		67-130	4		20
Bromodichloromethane	105		112		67-130	6		20
trans-1,3-Dichloropropene	100		109		70-130	9		20
cis-1,3-Dichloropropene	104		112		70-130	7		20
1,1-Dichloropropene	113		118		70-130	4		20
Bromoform	92		100		54-136	8		20
1,1,2,2-Tetrachloroethane	96		108		67-130	12		20
Benzene	112		117		70-130	4		20
Toluene	101		104		70-130	3		20
Ethylbenzene	108		110		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS., AVE

Project Number: CIR1601

Lab Number: L1609110

Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG880523-6 WG880523-7								
Chloromethane	118		122		64-130	3		20
Bromomethane	81		80		39-139	1		20
Vinyl chloride	113		116		55-140	3		20
Chloroethane	127		127		55-138	0		20
1,1-Dichloroethene	100		104		61-145	4		20
trans-1,2-Dichloroethene	104		108		70-130	4		20
Trichloroethene	106		109		70-130	3		20
1,2-Dichlorobenzene	93		98		70-130	5		20
1,3-Dichlorobenzene	96		100		70-130	4		20
1,4-Dichlorobenzene	95		100		70-130	5		20
Methyl tert butyl ether	98		111		63-130	12		20
p/m-Xylene	104		107		70-130	3		20
o-Xylene	103		107		70-130	4		20
cis-1,2-Dichloroethene	102		107		70-130	5		20
Dibromomethane	97		106		70-130	9		20
1,2,3-Trichloropropane	107		118		64-130	10		20
Acrylonitrile	117		**140**	Q	70-130	18		20
Styrene	99		102		70-130	3		20
Dichlorodifluoromethane	102		106		36-147	4		20
Acetone	119		121		58-148	2		20
Carbon disulfide	106		109		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG880523-6 WG880523-7								
2-Butanone	107		128		63-138	18		20
Vinyl acetate	129		**145**	Q	70-130	12		20
4-Methyl-2-pentanone	89		108		59-130	19		20
2-Hexanone	100		120		57-130	18		20
Bromochloromethane	97		102		70-130	5		20
2,2-Dichloropropane	**146**	Q	**147**	Q	63-133	1		20
1,2-Dibromoethane	88		97		70-130	10		20
1,3-Dichloropropane	101		112		70-130	10		20
1,1,1,2-Tetrachloroethane	96		100		64-130	4		20
Bromobenzene	92		98		70-130	6		20
n-Butylbenzene	114		115		53-136	1		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	106		107		70-130	1		20
o-Chlorotoluene	123		125		70-130	2		20
p-Chlorotoluene	115		118		70-130	3		20
1,2-Dibromo-3-chloropropane	111		123		41-144	10		20
Hexachlorobutadiene	86		94		63-130	9		20
Isopropylbenzene	113		114		70-130	1		20
p-Isopropyltoluene	107		107		70-130	0		20
Naphthalene	70		92		70-130	**27**	Q	20
n-Propylbenzene	117		118		69-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG880523-6 WG880523-7								
1,2,3-Trichlorobenzene	**65**	Q	85		70-130	**27**	Q	20
1,2,4-Trichlorobenzene	77		90		70-130	16		20
1,3,5-Trimethylbenzene	112		114		64-130	2		20
1,2,4-Trimethylbenzene	111		113		70-130	2		20
1,4-Dioxane	108		158		56-162	**38**	Q	20
p-Diethylbenzene	107		107		70-130	0		20
p-Ethyltoluene	116		117		70-130	1		20
1,2,4,5-Tetramethylbenzene	103		109		70-130	6		20
Ethyl ether	98		109		59-134	11		20
trans-1,4-Dichloro-2-butene	99		112		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		110		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	114		114		70-130
Dibromofluoromethane	97		98		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG880523-4 WG880523-5 QC Sample: L1609110-06 Client ID: MW-15												
Methylene chloride	ND	10	11	108		9.5	95		70-130	15		20
1,1-Dichloroethane	ND	10	11	109		9.4	94		70-130	16		20
Chloroform	ND	10	11	108		9.6	96		70-130	14		20
Carbon tetrachloride	ND	10	10	106		9.0	90		63-132	11		20
1,2-Dichloropropane	ND	10	11	107		9.4	94		70-130	16		20
Dibromochloromethane	ND	10	10	102		9.4	94		63-130	6		20
1,1,2-Trichloroethane	ND	10	11	106		9.7	97		70-130	13		20
Tetrachloroethene	0.78	10	10	93		8.6	78		70-130	15		20
Chlorobenzene	ND	10	9.9	99		8.8	88		75-130	12		20
Trichlorofluoromethane	ND	10	10	106		8.7	87		62-150	14		20
1,2-Dichloroethane	ND	10	11	106		9.6	96		70-130	14		20
1,1,1-Trichloroethane	ND	10	12	116		9.9	99		67-130	19		20
Bromodichloromethane	ND	10	11	113		10	102		67-130	10		20
trans-1,3-Dichloropropene	ND	10	11	107		9.9	99		70-130	11		20
cis-1,3-Dichloropropene	ND	10	11	108		9.8	98		70-130	12		20
1,1-Dichloropropene	ND	10	11	108		9.1	91		70-130	19		20
Bromoform	ND	10	10	103		9.6	96		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	10	10	101		9.5	95		67-130	5		20
Benzene	ND	10	11	108		9.4	94		70-130	16		20
Toluene	ND	10	10	103		8.9	89		70-130	12		20
Ethylbenzene	ND	10	10	101		8.7	88		70-130	14		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG880523-4 WG880523-5 QC Sample: L1609110-06 Client ID: MW-15												
Chloromethane	ND	10	13	**132**	Q	11	114		64-130	17		20
Bromomethane	ND	10	4.0	40		2.9	**29**	Q	39-139	**32**	Q	20
Vinyl chloride	14	10	25	111		20	64		55-140	**22**	Q	20
Chloroethane	ND	10	17	**169**	Q	9.5	95		55-138	**57**	Q	20
1,1-Dichloroethene	ND	10	11	113		9.5	95		61-145	15		20
trans-1,2-Dichloroethene	2.4J	10	13	**131**	Q	11	112		70-130	17		20
Trichloroethene	0.67	10	11	104		9.4	88		70-130	16		20
1,2-Dichlorobenzene	ND	10	9.4	94		8.6	86		70-130	9		20
1,3-Dichlorobenzene	ND	10	9.2	92		8.3	83		70-130	10		20
1,4-Dichlorobenzene	ND	10	9.3	93		8.3	83		70-130	11		20
Methyl tert butyl ether	ND	10	10	101		9.4	94		63-130	6		20
p/m-Xylene	ND	20	20	99		17	86		70-130	16		20
o-Xylene	ND	20	20	100		18	88		70-130	11		20
cis-1,2-Dichloroethene	6.6	10	18	118		16	93		70-130	12		20
Dibromomethane	ND	10	10	102		9.5	95		70-130	5		20
1,2,3-Trichloropropane	ND	10	9.7	98		9.2	92		64-130	5		20
Acrylonitrile	ND	10	11	111		10	102		70-130	10		20
Styrene	ND	20	21	103		18	93		70-130	15		20
Dichlorodifluoromethane	ND	10	9.9	100		8.1	81		36-147	20		20
Acetone	ND	10	12	118		11	112		58-148	9		20
Carbon disulfide	ND	10	12	123		9.0	90		51-130	**29**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG880523-4 WG880523-5 QC Sample: L1609110-06 Client ID: MW-15												
2-Butanone	ND	10	11	107		10	100		63-138	10		20
Vinyl acetate	ND	10	12	123		11	111		70-130	9		20
4-Methyl-2-pentanone	ND	10	11	112		11	112		59-130	0		20
2-Hexanone	ND	10	12	116		11	109		57-130	9		20
Bromochloromethane	ND	10	12	116		10	103		70-130	18		20
2,2-Dichloropropane	ND	10	9.3	93		8.0	80		63-133	15		20
1,2-Dibromoethane	ND	10	10	104		9.7	97		70-130	3		20
1,3-Dichloropropane	ND	10	10	103		9.5	95		70-130	5		20
1,1,1,2-Tetrachloroethane	ND	10	11	110		9.8	98		64-130	12		20
Bromobenzene	ND	10	9.6	96		8.6	86		70-130	11		20
n-Butylbenzene	0.87J	10	8.8	88		7.6	76		53-136	15		20
sec-Butylbenzene	1.3J	10	9.2	92		7.8	78		70-130	16		20
tert-Butylbenzene	0.95J	10	9.2	92		7.8	78		70-130	16		20
o-Chlorotoluene	ND	10	9.1	91		7.9	79		70-130	14		20
p-Chlorotoluene	ND	10	9.0	91		8.1	81		70-130	11		20
1,2-Dibromo-3-chloropropane	ND	10	11	113		11	115		41-144	0		20
Hexachlorobutadiene	ND	10	5.8	**58**	Q	5.0	**50**	Q	63-130	15		20
Isopropylbenzene	0.81J	10	10	101		8.8	88		70-130	13		20
p-Isopropyltoluene	ND	10	8.5	85		7.3	73		70-130	15		20
Naphthalene	ND	10	13	129		12	124		70-130	8		20
n-Propylbenzene	ND	10	9.5	95		8.2	82		69-130	15		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG880523-4 WG880523-5 QC Sample: L1609110-06 Client ID: MW-15												
1,2,3-Trichlorobenzene	ND	10	9.9	99		9.0	90		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	9.4	94		8.6	86		70-130	9		20
1,3,5-Trimethylbenzene	ND	10	9.0	90		7.8	78		64-130	14		20
1,2,4-Trimethylbenzene	ND	10	9.0	90		7.9	79		70-130	13		20
1,4-Dioxane	ND	500	480	96		470	94		56-162	2		20
p-Diethylbenzene	ND	10	22	**217**	Q	20	**197**	Q	70-130	10		20
p-Ethyltoluene	ND	10	9.2	92		8.0	80		70-130	14		20
1,2,4,5-Tetramethylbenzene	22	10	9.1	**0**	Q	7.7	**0**	Q	70-130	17		20
Ethyl ether	ND	10	11	112		10	100		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	10	9.7	97		9.5	95		70-130	2		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	102		102		70-130
Toluene-d8	97		96		70-130

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1609110-01A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-01B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-01C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-02A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-02B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-02C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-03A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-03B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-03C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-04A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-04B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-04C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-05A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-05B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-05C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06A1	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06A2	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06B1	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06B2	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06C1	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-06C2	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-07A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-07B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-07C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-08A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-08B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 3140 CONEY IS., AVE
Project Number: CIR1601

Lab Number: L1609110
Report Date: 04/06/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1609110-08C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-09A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-09B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-09C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-10A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-10B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-10C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-11A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1609110-11B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	3140 CONEY IS., AVE	**Lab Number:**	L1609110
Project Number:	CIR1601	**Report Date:**	04/06/16

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	3140 CONEY IS., AVE	**Lab Number:**	L1609110
Project Number:	CIR1601	**Report Date:**	04/06/16

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	3140 CONEY IS., AVE	**Lab Number:**	L1609110
Project Number:	CIR1601	**Report Date:**	04/06/16

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

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

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/30/16

ALPHA Job #: L1609116

Client Information

Client: PW Grosser Consultancy
Address: 630 Johnson Ave
Bohemia NY, 11716
Phone: 631-589-6353
Fax:
Email: JenniferL@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 3140 Coney Is. Ave
Project Location: Brooklyn, NY
Project #: CIR1601
Project Manager: Jennifer Lewis
ALPHA Quote #:

Turn-Around Time

~~Standard~~ ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
~~ADEx~~ ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: NYTCL-8260	SAMPLE HANDLING	TOTAL # BOTTLES	Sample Specific Comments
09110-01	MW-10	3/29/16	14:31	GW	RM	X			
02	MW-11		14:55			X			
03	MW-12		10:40			X			
04	MW-13		11:00			X			
05	MW-14		11:30			X			
06	MW-15		13:40			X			MS/MSD
07	ML Well (15-20')		12:05			X			
08	ML Well (35-40')	✓	12:50	✓	✓	X			
09	DUP-001		xx:xx			X			
10	Field Blank					X			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] 3-30-16	1820	[signature] QAL	3-30-16 1140
[signature]	3/30/16 22:20	[signature] 3-30-16	1820
			3/30/16 22:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: PW Grosser Consulting
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location:
Project #: CIR1601
Project Manager:
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC-8260	SAMPLE HANDLING	TOTAL # BOTTLES
09110-11	Trip Blank	3/29/16	15:00	GW	RM	X		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
BBaker - 3-30-16 - 1820	3/30/16 1820	BBaker/AQL	3-30-16
Tom Tobin	3/30/16 2220	Tom Tobin 3-30-16	1820 1243
			9/30/16 22:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1609182
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	3140 CONEY IS. AVE
Project Number:	CIR1601
Report Date:	04/07/16

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

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

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1609182-01	INFLUENT	SOIL_VAPOR	BROOKLYN, NY	03/29/16 08:57	03/30/16
L1609182-02	EFFLUENT	SOIL_VAPOR	BROOKLYN, NY	03/29/16 08:54	03/30/16

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

Case Narrative

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

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

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

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

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

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

Project Name:	3140 CONEY IS. AVE	**Lab Number:**	L1609182
Project Number:	CIR1601	**Report Date:**	04/07/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 28, 2016. The canister certification results are provided as an addendum.

Samples L L1609182-01 and -02: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative Date: 04/07/16

AIR

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601
Lab Number: L1609182
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609182-01 D
Client ID: INFLUENT
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/07/16 03:47
Analyst: RY

Date Collected: 03/29/16 08:57
Date Received: 03/30/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.443	--	ND	2.19	--		2.216
Chloromethane	ND	0.443	--	ND	0.915	--		2.216
Freon-114	ND	0.443	--	ND	3.10	--		2.216
Vinyl chloride	ND	0.443	--	ND	1.13	--		2.216
1,3-Butadiene	ND	0.443	--	ND	0.980	--		2.216
Bromomethane	ND	0.443	--	ND	1.72	--		2.216
Chloroethane	ND	0.443	--	ND	1.17	--		2.216
Ethanol	ND	11.1	--	ND	20.9	--		2.216
Vinyl bromide	ND	0.443	--	ND	1.94	--		2.216
Acetone	3.45	2.22	--	8.20	5.27	--		2.216
Trichlorofluoromethane	ND	0.443	--	ND	2.49	--		2.216
Isopropanol	ND	1.11	--	ND	2.73	--		2.216
1,1-Dichloroethene	ND	0.443	--	ND	1.76	--		2.216
Tertiary butyl Alcohol	ND	1.11	--	ND	3.36	--		2.216
Methylene chloride	ND	1.11	--	ND	3.86	--		2.216
3-Chloropropene	ND	0.443	--	ND	1.39	--		2.216
Carbon disulfide	ND	0.443	--	ND	1.38	--		2.216
Freon-113	ND	0.443	--	ND	3.40	--		2.216
trans-1,2-Dichloroethene	ND	0.443	--	ND	1.76	--		2.216
1,1-Dichloroethane	ND	0.443	--	ND	1.79	--		2.216
Methyl tert butyl ether	ND	0.443	--	ND	1.60	--		2.216
2-Butanone	ND	1.11	--	ND	3.27	--		2.216
cis-1,2-Dichloroethene	14.6	0.443	--	57.9	1.76	--		2.216
Ethyl Acetate	ND	1.11	--	ND	4.00	--		2.216

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609182-01 D
Client ID: INFLUENT
Sample Location: BROOKLYN, NY

Date Collected: 03/29/16 08:57
Date Received: 03/30/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.900	0.443	--	4.40	2.16	--		2.216
Tetrahydrofuran	ND	1.11	--	ND	3.27	--		2.216
1,2-Dichloroethane	ND	0.443	--	ND	1.79	--		2.216
n-Hexane	ND	0.443	--	ND	1.56	--		2.216
1,1,1-Trichloroethane	ND	0.443	--	ND	2.42	--		2.216
Benzene	ND	0.443	--	ND	1.42	--		2.216
Carbon tetrachloride	ND	0.443	--	ND	2.79	--		2.216
Cyclohexane	ND	0.443	--	ND	1.52	--		2.216
1,2-Dichloropropane	ND	0.443	--	ND	2.05	--		2.216
Bromodichloromethane	ND	0.443	--	ND	2.97	--		2.216
1,4-Dioxane	ND	0.443	--	ND	1.60	--		2.216
Trichloroethene	5.67	0.443	--	30.5	2.38	--		2.216
2,2,4-Trimethylpentane	ND	0.443	--	ND	2.07	--		2.216
Heptane	ND	0.443	--	ND	1.82	--		2.216
cis-1,3-Dichloropropene	ND	0.443	--	ND	2.01	--		2.216
4-Methyl-2-pentanone	ND	1.11	--	ND	4.55	--		2.216
trans-1,3-Dichloropropene	ND	0.443	--	ND	2.01	--		2.216
1,1,2-Trichloroethane	ND	0.443	--	ND	2.42	--		2.216
Toluene	ND	0.443	--	ND	1.67	--		2.216
2-Hexanone	ND	0.443	--	ND	1.82	--		2.216
Dibromochloromethane	ND	0.443	--	ND	3.77	--		2.216
1,2-Dibromoethane	ND	0.443	--	ND	3.40	--		2.216
Tetrachloroethene	87.4	0.443	--	593	3.00	--		2.216
Chlorobenzene	ND	0.443	--	ND	2.04	--		2.216
Ethylbenzene	ND	0.443	--	ND	1.92	--		2.216
p/m-Xylene	ND	0.886	--	ND	3.85	--		2.216
Bromoform	ND	0.443	--	ND	4.58	--		2.216
Styrene	ND	0.443	--	ND	1.89	--		2.216

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609182-01 D
Client ID: INFLUENT
Sample Location: BROOKLYN, NY

Date Collected: 03/29/16 08:57
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.443	--	ND	3.04	--		2.216
o-Xylene	ND	0.443	--	ND	1.92	--		2.216
4-Ethyltoluene	ND	0.443	--	ND	2.18	--		2.216
1,3,5-Trimethylbenzene	ND	0.443	--	ND	2.18	--		2.216
1,2,4-Trimethylbenzene	ND	0.443	--	ND	2.18	--		2.216
Benzyl chloride	ND	0.443	--	ND	2.29	--		2.216
1,3-Dichlorobenzene	ND	0.443	--	ND	2.66	--		2.216
1,4-Dichlorobenzene	ND	0.443	--	ND	2.66	--		2.216
1,2-Dichlorobenzene	ND	0.443	--	ND	2.66	--		2.216
1,2,4-Trichlorobenzene	ND	0.443	--	ND	3.29	--		2.216
Hexachlorobutadiene	ND	0.443	--	ND	4.73	--		2.216

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609182-02 D
Client ID: EFFLUENT
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/07/16 03:13
Analyst: RY

Date Collected: 03/29/16 08:54
Date Received: 03/30/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.414	--	ND	2.05	--		2.069
Chloromethane	ND	0.414	--	ND	0.855	--		2.069
Freon-114	ND	0.414	--	ND	2.89	--		2.069
Vinyl chloride	ND	0.414	--	ND	1.06	--		2.069
1,3-Butadiene	ND	0.414	--	ND	0.916	--		2.069
Bromomethane	ND	0.414	--	ND	1.61	--		2.069
Chloroethane	ND	0.414	--	ND	1.09	--		2.069
Ethanol	ND	10.3	--	ND	19.4	--		2.069
Vinyl bromide	ND	0.414	--	ND	1.81	--		2.069
Acetone	7.00	2.07	--	16.6	4.92	--		2.069
Trichlorofluoromethane	ND	0.414	--	ND	2.33	--		2.069
Isopropanol	ND	1.03	--	ND	2.53	--		2.069
1,1-Dichloroethene	ND	0.414	--	ND	1.64	--		2.069
Tertiary butyl Alcohol	15.7	1.03	--	47.6	3.12	--		2.069
Methylene chloride	ND	1.03	--	ND	3.58	--		2.069
3-Chloropropene	ND	0.414	--	ND	1.30	--		2.069
Carbon disulfide	ND	0.414	--	ND	1.29	--		2.069
Freon-113	ND	0.414	--	ND	3.17	--		2.069
trans-1,2-Dichloroethene	ND	0.414	--	ND	1.64	--		2.069
1,1-Dichloroethane	ND	0.414	--	ND	1.68	--		2.069
Methyl tert butyl ether	ND	0.414	--	ND	1.49	--		2.069
2-Butanone	1.54	1.03	--	4.54	3.04	--		2.069
cis-1,2-Dichloroethene	13.5	0.414	--	53.5	1.64	--		2.069
Ethyl Acetate	ND	1.03	--	ND	3.71	--		2.069

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601
Lab Number: L1609182
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609182-02 D
Client ID: EFFLUENT
Sample Location: BROOKLYN, NY
Date Collected: 03/29/16 08:54
Date Received: 03/30/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.414	--	ND	2.02	--		2.069
Tetrahydrofuran	ND	1.03	--	ND	3.04	--		2.069
1,2-Dichloroethane	ND	0.414	--	ND	1.68	--		2.069
n-Hexane	ND	0.414	--	ND	1.46	--		2.069
1,1,1-Trichloroethane	ND	0.414	--	ND	2.26	--		2.069
Benzene	ND	0.414	--	ND	1.32	--		2.069
Carbon tetrachloride	ND	0.414	--	ND	2.60	--		2.069
Cyclohexane	ND	0.414	--	ND	1.43	--		2.069
1,2-Dichloropropane	ND	0.414	--	ND	1.91	--		2.069
Bromodichloromethane	ND	0.414	--	ND	2.77	--		2.069
1,4-Dioxane	ND	0.414	--	ND	1.49	--		2.069
Trichloroethene	ND	0.414	--	ND	2.22	--		2.069
2,2,4-Trimethylpentane	ND	0.414	--	ND	1.93	--		2.069
Heptane	ND	0.414	--	ND	1.70	--		2.069
cis-1,3-Dichloropropene	ND	0.414	--	ND	1.88	--		2.069
4-Methyl-2-pentanone	ND	1.03	--	ND	4.22	--		2.069
trans-1,3-Dichloropropene	ND	0.414	--	ND	1.88	--		2.069
1,1,2-Trichloroethane	ND	0.414	--	ND	2.26	--		2.069
Toluene	ND	0.414	--	ND	1.56	--		2.069
2-Hexanone	ND	0.414	--	ND	1.70	--		2.069
Dibromochloromethane	ND	0.414	--	ND	3.53	--		2.069
1,2-Dibromoethane	ND	0.414	--	ND	3.18	--		2.069
Tetrachloroethene	ND	0.414	--	ND	2.81	--		2.069
Chlorobenzene	ND	0.414	--	ND	1.91	--		2.069
Ethylbenzene	ND	0.414	--	ND	1.80	--		2.069
p/m-Xylene	ND	0.828	--	ND	3.60	--		2.069
Bromoform	ND	0.414	--	ND	4.28	--		2.069
Styrene	ND	0.414	--	ND	1.76	--		2.069

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609182-02 D
Client ID: EFFLUENT
Sample Location: BROOKLYN, NY

Date Collected: 03/29/16 08:54
Date Received: 03/30/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.414	--	ND	2.84	--		2.069
o-Xylene	ND	0.414	--	ND	1.80	--		2.069
4-Ethyltoluene	ND	0.414	--	ND	2.04	--		2.069
1,3,5-Trimethylbenzene	ND	0.414	--	ND	2.04	--		2.069
1,2,4-Trimethylbenzene	ND	0.414	--	ND	2.04	--		2.069
Benzyl chloride	ND	0.414	--	ND	2.14	--		2.069
1,3-Dichlorobenzene	ND	0.414	--	ND	2.49	--		2.069
1,4-Dichlorobenzene	ND	0.414	--	ND	2.49	--		2.069
1,2-Dichlorobenzene	ND	0.414	--	ND	2.49	--		2.069
1,2,4-Trichlorobenzene	ND	0.414	--	ND	3.07	--		2.069
Hexachlorobutadiene	ND	0.414	--	ND	4.42	--		2.069

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601
Lab Number: L1609182
Report Date: 04/07/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/06/16 16:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG881041-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601
Lab Number: L1609182
Report Date: 04/07/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/06/16 16:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG881041-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601
Lab Number: L1609182
Report Date: 04/07/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/06/16 16:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG881041-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE

Project Number: CIR1601

Lab Number: L1609182

Report Date: 04/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG881041-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	101		-		70-130	-		
Propane	84		-		70-130	-		
Dichlorodifluoromethane	79		-		70-130	-		
Chloromethane	93		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91		-		70-130	-		
Methanol	88		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Butane	85		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethyl Alcohol	90		-		70-130	-		
Dichlorofluoromethane	83		-		70-130	-		
Vinyl bromide	89		-		70-130	-		
Acrolein	76		-		70-130	-		
Acetone	93		-		70-130	-		
Acetonitrile	84		-		70-130	-		
Trichlorofluoromethane	94		-		70-130	-		
iso-Propyl Alcohol	93		-		70-130	-		
Acrylonitrile	83		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG881041-3								
Pentane	80		-		70-130	-		
Ethyl ether	82		-		70-130	-		
1,1-Dichloroethene	88		-		70-130	-		
tert-Butyl Alcohol	82		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	96		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		-		70-130	-		
trans-1,2-Dichloroethene	81		-		70-130	-		
1,1-Dichloroethane	89		-		70-130	-		
Methyl tert butyl ether	85		-		70-130	-		
Vinyl acetate	106		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Ethyl Acetate	97		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
2,2-Dichloropropane	79		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	97		-		70-130	-		
Isopropyl Ether	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE

Project Number: CIR1601

Lab Number: L1609182

Report Date: 04/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG881041-3								
Ethyl-Tert-Butyl-Ether	88		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Cyclohexane	96		-		70-130	-		
Tertiary-Amyl Methyl Ether	84		-		70-130	-		
Dibromomethane	92		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Methyl Methacrylate	94		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	86		-		70-130	-		
1,3-Dichloropropane	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE

Project Number: CIR1601

Lab Number: L1609182

Report Date: 04/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG881041-3								
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	90		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		
Butyl Acetate	84		-		70-130	-		
Octane	83		-		70-130	-		
Tetrachloroethene	88		-		70-130	-		
1,1,1,2-Tetrachloroethane	82		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	90		-		70-130	-		
p/m-Xylene	91		-		70-130	-		
Bromoform	85		-		70-130	-		
Styrene	90		-		70-130	-		
1,1,2,2-Tetrachloroethane	94		-		70-130	-		
o-Xylene	93		-		70-130	-		
1,2,3-Trichloropropane	83		-		70-130	-		
Nonane (C9)	89		-		70-130	-		
Isopropylbenzene	87		-		70-130	-		
Bromobenzene	84		-		70-130	-		
o-Chlorotoluene	83		-		70-130	-		
n-Propylbenzene	83		-		70-130	-		
p-Chlorotoluene	82		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3140 CONEY IS. AVE

Project Number: CIR1601

Lab Number: L1609182

Report Date: 04/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG881041-3								
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
tert-Butylbenzene	87		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Decane (C10)	88		-		70-130	-		
Benzyl chloride	85		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	88		-		70-130	-		
sec-Butylbenzene	87		-		70-130	-		
p-Isopropyltoluene	81		-		70-130	-		
1,2-Dichlorobenzene	89		-		70-130	-		
n-Butylbenzene	92		-		70-130	-		
1,2-Dibromo-3-chloropropane	82		-		70-130	-		
Undecane	90		-		70-130	-		
Dodecane (C12)	95		-		70-130	-		
1,2,4-Trichlorobenzene	87		-		70-130	-		
Naphthalene	86		-		70-130	-		
1,2,3-Trichlorobenzene	82		-		70-130	-		
Hexachlorobutadiene	80		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG881041-5 QC Sample: L1609197-01 Client ID: DUP Sample						
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	2.40	2.50	ppbV	4		25

Project Name: 3140 CONEY IS. AVE

Lab Number: L1609182

Project Number: CIR1601

Report Date: 04/07/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1609182-01	INFLUENT	1915	1.0L Can	03/28/16	219584	L1600953-02	Pass	-29.7	-1.3	-	-	-	-
L1609182-02	EFFLUENT	750	1.0L Can	03/28/16	219584	L1600953-02	Pass	-29.7	0.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/13/16 16:57
Analyst: RY

Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1600953

Project Number: CANISTER QC BAT **Report Date:** 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02 Date Collected: 01/12/16 15:00

Client ID: CAN 1920 SHELF 8 Date Received: 01/13/16

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/13/16 16:57
Analyst: RY

Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1600953
Report Date: 04/07/16

Air Canister Certification Results

Lab ID: L1600953-02
Client ID: CAN 1920 SHELF 8
Sample Location:
Date Collected: 01/12/16 15:00
Date Received: 01/13/16
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140

Project Name: 3140 CONEY IS. AVE
Project Number: CIR1601

Lab Number: L1609182
Report Date: 04/07/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**

Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1609182-01A	Canister - 1 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1609182-02A	Canister - 1 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	3140 CONEY IS. AVE	**Lab Number:**	L1609182
Project Number:	CIR1601	**Report Date:**	04/07/16

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

Report Format: Data Usability Report

Project Name:	3140 CONEY IS. AVE	**Lab Number:**	L1609182
Project Number:	CIR1601	**Report Date:**	04/07/16

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

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

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/31/16

ALPHA Job #: L1609182

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: JenniferL@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CIR1601
Project Location: 3140 Gary Is Ave
Project #: CIR1601
Project Manager: Jennifer L
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
~~☐ ADEx~~
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15 -NY	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
1609182-01	Influent	3/29/16	0856	0858	-29.7	NA	INF	RM	1915	1L	NA	X					
-02	Effluent		0854	0854	-29.0	NA	EFF	RM	760	1L	NA	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
		BJ Baker 9AL	3-30-16 1715
BJ Baker 3-30-16	21:55	Ed Williams	3-30-16 21:55
Ed Williams	3-31-16 3:45		3/31/16 3:45

Form No: 101-02 Rev: (25-Sep-15)

APPENDIX C

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.85	**Groundwater Elevation (ft):**	0.75
Depth to Bottom (ft):	14.38	**Bottom Elevation (ft):**	-4.78
Height of Water Column (ft):	5.53	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.90	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	14:32	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:19	17.20	6.52	6.32	0.112	7.00	>1000			
14:22	17.59	6.51	5.46	0.940	6.35	0			
14:25	17.58	6.51	7.52	0.880	5.83	>1000			
14:28	17.29	6.48	7.50	0.850	5.39	765			
14:31	17.28	6.49	7.48	0.850	5.09	705			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-11	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.01	**Groundwater Elevation (ft):**	0.72
Depth to Bottom (ft):	15.30	**Bottom Elevation (ft):**	-5.57
Height of Water Column (ft):	6.29	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.03	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	14:55	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:43	17.26	6.45	7.45	-83	3.17	201.0			
14:46	17.49	6.99	2.21	-89	2.29	31.6			
14:49	17.76	7.10	2.21	-107	2.71	37.1			
14:52	17.81	7.11	2.21	-121	3.88	20.9			
14:55	17.87	7.11	2.22	-129	3.01	25.7			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-12	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.19	**Groundwater Elevation (ft):**	0.46
Depth to Bottom (ft):	NM	**Bottom Elevation (ft):**	#VALUE!
Height of Water Column (ft):	NM	**Well Diameter (in):**	2
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	10:40	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:08	14.57	6.32	2.20	11	6.15	454			
10:12	15.29	6.30	2.05	-6	5.43	391			
10:15	16.17	6.30	1.84	-15	4.58	307			
10:18	16.77	6.30	1.67	-27	3.45	239			
10:21	17.25	6.28	1.53	-34	2.55	173			
10:24	17.22	6.29	1.39	-39	1.80	141			
10:27	17.31	6.30	1.29	-44	1.03	115			
10:30	17.32	6.30	1.21	-46	0.29	97.0			
10:33	17.37	6.30	1.16	-48	0.00	79.0			
10:36	17.42	6.30	1.11	-51	0.00	70.5			
10:39	17.44	6.30	1.08	-53	0	47.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-13	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.18	**Groundwater Elevation (ft):**	0.71
Depth to Bottom (ft):	13.48	**Bottom Elevation (ft):**	-3.59
Height of Water Column (ft):	4.30	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.70	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	11:00	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	Dupe 001
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:50	15.53	6.32	2.00	-43	7.04	260			
10:53	15.57	6.41	2.12	-85	6.45	0.0			
10:56	15.56	6.50	1.95	-100	5.71	21.2			
10:59	15.78	6.55	1.85	-106	5.29	13.8			
11:00	15.92	6.57	1.81	-109	5.03	11.8			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-14	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.16	**Groundwater Elevation (ft):**	0.69
Depth to Bottom (ft):	12.61	**Bottom Elevation (ft):**	-2.76
Height of Water Column (ft):	3.45	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.56	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	11:30	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:18	16.30	6.66	1.35	-47	3.14	209			
11:21	16.61	6.67	1.36	-25	1.20	56.8			
11:24	16.79	6.68	1.36	-17	0.00	53.8			
11:27	16.91	6.68	1.36	-14	0.00	49.9			
11:30	16.98	6.69	1.36	-12	0.00	54.1			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-15	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.88	**Groundwater Elevation (ft):**	-1.39
Depth to Bottom (ft):	4.53	**Bottom Elevation (ft):**	-2.04
Height of Water Column (ft):	0.65	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.03	**Calculated Purge Volume (gal):**	0.08
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	13:36	**Complete Purge Time:**	
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	N/A	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	MSMSD
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:18	16.38	7.19	0.00	27	6.43	0.0			
13:21	15.21	6.87	3.04	-205	0.00	0.0			
13:24	15.16	6.76	2.24	-241	0.00	770			
13:27	15.50	6.73	1.84	-254	0.00	833			
13:30	15.17	6.71	1.65	-256	0.00	330			
13:33	15.19	6.70	1.53	-257	0.00	131			
13:36	15.19	6.70	1.47	-258	0.00	109			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-16	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	9.59	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.60	**Groundwater Elevation (ft):**	0.65
Depth to Bottom (ft):	10.79	**Bottom Elevation (ft):**	-0.54
Height of Water Column (ft):	1.19	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.05	**Calculated Purge Volume (gal):**	0.15
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:		**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	Product in well. Inconclusive readings. Approx. .01 to .05 thickness of product. Well not sampled.
Date Shipped:	3/30/2016		
Analyses Requested:			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (15-20')	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.30	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	20.00	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	10.70	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.44	**Calculated Purge Volume (gal):**	1.32
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	12:05	**Complete Purge Time:**	
Purge Method:	Peri Pump	**Sample Method:**	Peri Pump
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:50	17.84	6.30	0.478	-82	0.00	118			
11:53	18.50	6.24	0.474	-101	0.00	61.3			
11:56	18.66	6.24	0.467	-114	0.00	60.9			
11:59	18.79	6.24	0.461	-119	0.00	40.1			
12:02	18.94	6.24	0.455	-123	0.00	31.9			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (35-40')	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.35	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	40.00	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	30.65	**Well Diameter (in):**	1
Standing Water Volume (gal):	1.26	**Calculated Purge Volume (gal):**	3.77
Sample Date:	3/29/2016	**Begin Purge Time:**	
Sample Time:	12:47	**Complete Purge Time:**	
Purge Method:	Peri Pump	**Sample Method:**	Peri Pump
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:26	16.88	6.20	4.52	-129	6.93	120			
12:29	19.34	6.92	9.49	-243	5.43	109			
12:32	19.43	7.00	11.00	-253	4.85	97.0			
12:35	19.11	7.08	14.30	-274	4.01	95.8			
12:38	18.77	7.07	21.30	-277	3.40	93.6			
12:41	18.55	6.98	35.00	-265	2.71	83.1			
12:44	18.62	6.95	41.80	-259	2.32	85.8			
12:47	18.98	6.94	44.40	-246	1.74	88.5			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.83	**Groundwater Elevation (ft):**	0.77
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	5.78	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.94	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/22/2016	**Begin Purge Time:**	13:55
Sample Time:	14:15	**Complete Purge Time:**	14:10
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	No odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:55	18.20	6.35	5.92	-105.000	6.04	41.3			
13:58	17.93	6.34	5.46	-109.000	2.24	31.6			
14:01	17.84	6.35	4.91	-110.000	2.01	32.2			
14:04	18.15	6.34	4.50	-110.000	1.83	32.9			
14:07	18.74	6.34	4.29	-108.000	1.97	29.1			
14:10	18.65	6.33	4.19	-107.000	1.91	29.8			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-11	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.00	**Groundwater Elevation (ft):**	0.73
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.29	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.03	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/22/2016	**Begin Purge Time:**	14:25
Sample Time:	14:45	**Complete Purge Time:**	14:40
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:25	22.62	5.83	0.01	-89	9.26	160.0			
14:28	21.47	6.35	2.47	-17	3.15	77.2			
14:31	20.73	6.30	2.47	-25	3.15	51.2			
14:34	20.48	6.29	2.45	-43	3.33	33.3			
14:37	20.32	6.31	2.44	-51	3.35	16.3			
14:40	20.24	6.33	2.44	-55	3.43	26			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-12	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.92	**Groundwater Elevation (ft):**	0.73
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	NM	**Well Diameter (in):**	2
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/22/2016	**Begin Purge Time:**	12:15
Sample Time:	12:35	**Complete Purge Time:**	12:30
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	Slight petrol odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:			
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:15	18.75	6.54	1.70	-54	4.10	180.0			
12:18	17.62	6.51	1.62	-51	2.57	68.8			
12:21	17.55	6.47	1.39	-41	2.49	60.3			
12:24	17.56	6.44	1.25	-36	2.42	40.2			
12:27	17.59	6.41	1.20	-30	2.37	31.9			
12:30	17.57	6.40	1.15	-25	2.34	26.6			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-13	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.20	**Groundwater Elevation (ft):**	0.69
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.31	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.70	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/22/2016	**Begin Purge Time:**	11:36
Sample Time:	12:00	**Complete Purge Time:**	11:58
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:22
Sample Appearance:	Clear	**Odors Observed:**	Petrol odor
Analytical Laboratory:	Alpha	**Notes:**	Dupe 001
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:36	27.49	6.24	0.02	-19	8.10	210.0			
11:43	19.54	7.10	2.54	-120	2.68	45.7			
11:46	18.14	6.79	2.47	-120	2.06	44.4			
11:49	18.09	6.72	2.14	-125	1.84	40.1			
11:52	18.07	6.67	1.94	-129	1.80	35.9			
11:55	18.05	6.64	1.87	-130	1.75	32.5			
11:58	19.09	6.62	1.84	-130	1.73	28.5			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-14	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.16	**Groundwater Elevation (ft):**	0.69
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.46	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.56	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/22/2016	**Begin Purge Time:**	10:52
Sample Time:	11:15	**Complete Purge Time:**	11:10
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:18
Sample Appearance:	turbid	**Odors Observed:**	no odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:52	21.68	7.01	0.019	-3	11.83	131			
10:55	21.18	6.90	0.019	27	7.91	111.0			
10:58	21.22	7.72	0.019	41	7.55	112.0			
11:01	21.34	6.61	0.019	49	7.26	113.0			
11:04	21.38	6.49	0.018	54	7.30	114.0			
11:07	21.62	6.29	0.017	59	7.23	114			
11:10	21.7	6.17	0.015	63	7.04	117			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-15	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.8	**Groundwater Elevation (ft):**	-1.31
Depth to Bottom (ft):	5.03	**Bottom Elevation (ft):**	-2.54
Height of Water Column (ft):	1.23	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.05	**Calculated Purge Volume (gal):**	0.15
Sample Date:	6/22/2016	**Begin Purge Time:**	13:00
Sample Time:	13:20	**Complete Purge Time:**	13:15
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	N/A	**Purge Time (min):**	0:15
Sample Appearance:	clear	**Odors Observed:**	petrol odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:00	20.91	6.54	2.56	-111	3.49	49.2			
13:03	19.14	6.70	2.00	-134	1.95	34.8			
13:06	18.03	6.72	1.63	-159	1.88	25.3			
13:09	17.40	6.73	1.46	-167	1.82	21.5			
13:12	17.36	6.72	1.33	-167	2.35	21.3			
13:15	17.86	6.70	1.26	-166	2.24	21.2			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-16	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	9.51	**Product Elevation (ft):**	NA
Depth to Water (ft):	NA	**Groundwater Elevation (ft):**	#VALUE!
Depth to Bottom (ft):	10.79	**Bottom Elevation (ft):**	-0.54
Height of Water Column (ft):	#VALUE!	**Well Diameter (in):**	1
Standing Water Volume (gal):	#VALUE!	**Calculated Purge Volume (gal):**	#VALUE!
Sample Date:	6.22.2016	**Begin Purge Time:**	
Sample Time:		**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	Immeasurable thickness of LNAPL. No Sample
Date Shipped:	3/30/2016		
Analyses Requested:			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (15-20')	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.24	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	10.17	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.42	**Calculated Purge Volume (gal):**	1.25
Sample Date:	6/22/2016	**Begin Purge Time:**	9:53
Sample Time:	10:00	**Complete Purge Time:**	9:58
Purge Method:	Peri Pump	**Sample Method:**	Peri Pump
Purge Rate (mL/min):	250	**Purge Time (min):**	0:05
Sample Appearance:	Clear	**Odors Observed:**	Slight Petrol
Analytical Laboratory:	Alpha	**Notes:**	MS/MSD
Date Shipped:			
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
9:43	20.30	6.49	0.721	-40	4.55	44.6			
9:46	18.43	6.23	0.725	-72	2.42	26.5			
9:49	18.09	6.16	0.719	-87	2.07	25.6			
9:52	17.72	6.13	0.713	-92	1.89	0.0			
9:55	17.68	6.13	0.705	-97	1.75	0.0			
9:58	17.64	6.13	0.70	-101	1.68	0.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (35-40')	**Sampled By:**	RM
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	10.03	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	28.93	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	18.90	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.77	**Calculated Purge Volume (gal):**	2.32
Sample Date:	6/22/2016	**Begin Purge Time:**	
Sample Time:	10:30	**Complete Purge Time:**	
Purge Method:	Peri Pump	**Sample Method:**	Peri Pump
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:	Clear	**Odors Observed:**	no odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/30/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:13	18.50	5.92	14.80	-132	1.70	25			
10:16	18.31	5.98	24.30	-156	1.48	23			
10:19	18.36	6.21	41.00	-152	1.30	21.6			
10:22	18.39	6.44	41.70	-154	1.24	21.8			
10:25	18.32	6.58	41.90	-154	1.19	21.8			
10:28	18.25	6.68	42.10	-155	1.15	21.6			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.71	**Groundwater Elevation (ft):**	0.89
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	5.90	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.96	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/16/2016	**Begin Purge Time:**	11:24
Sample Time:	11:40	**Complete Purge Time:**	11:39
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	No odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:24	23.19	6.48	2.90	-72.000	1.65	772.0			
11:27	23.05	6.45	2.85	-83.000	0.89	550.0			
11:30	22.76	6.44	2.87	-91.000	0.99	454.0			
11:33	23.43	6.46	2.87	-93.000	0.98	323.0			
11:36	22.54	6.45	2.81	-96.000	0.70	236.0			
11:39	22.64	6.46	2.82	-94.000	0.72	242.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-11	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.90	**Groundwater Elevation (ft):**	0.83
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.39	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.04	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/16/2016	**Begin Purge Time:**	11:53
Sample Time:	12:10	**Complete Purge Time:**	12:08
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:53	23.61	6.63	2.66	-69	9.10	0.0			
11:56	22.68	6.54	2.63	-77	2.75	460.0			
11:59	22.75	6.52	2.66	-77	7.61	181.0			
12:02	22.65	6.51	2.68	-76	6.95	128.0			
12:05	22.59	6.51	2.68	-75	6.49	79.3			
12:08	22.52	6.50	2.68	-75	6.05	43			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-12	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.84	**Groundwater Elevation (ft):**	0.81
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	NM	**Well Diameter (in):**	2
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/16/2016	**Begin Purge Time:**	15:30
Sample Time:	15:50	**Complete Purge Time:**	15:45
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
15:30	23.69	6.95	1.66	-97	3.41	820.0			
15:33	23.01	6.66	1.47	-110	0.67	492.0			
15:36	22.43	6.59	1.00	-102	0.42	367.0			
15:39	22.33	6.55	0.96	-98	0.46	249.0			
15:42	22.34	6.49	0.96	-96	0.42	180.0			
15:45	22.31	6.50	0.94	-96	0.42	62.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-13	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.18	**Groundwater Elevation (ft):**	0.71
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.33	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.71	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/16/2016	**Begin Purge Time:**	15:10
Sample Time:	15:23	**Complete Purge Time:**	15:21
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:11
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
15:10	21.55	6.94	1.96	-88	1.44	451.0			
15:13	21.09	6.80	1.84	-107	0.56	77.1			
15:16	21.34	6.85	1.62	-114	0.39	13.6			
15:19	21.64	6.88	1.56	-121	0.32	8.3			
15:22	21.63	6.87	1.56	-120	0.31	7.3			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-14	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.15	**Groundwater Elevation (ft):**	0.70
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.47	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.57	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/16/2016	**Begin Purge Time:**	14:44
Sample Time:	15:00	**Complete Purge Time:**	14:56
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:12
Sample Appearance:	clear	**Odors Observed:**	no odor
Analytical Laboratory:	Alpha	**Notes:**	MS/MSD
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:44	20.52	7.63	2.010	-131	1.18	0			
14:47	20.52	7.16	1.350	-118	0.45	456.0			
14:50	20.65	7.07	1.290	-112	0.73	132.0			
14:53	20.82	7.01	1.270	-107	0.82	37.4			
14:56	20.94	6.96	1.250	-102	1.04	7.4			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-15	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.45	**Groundwater Elevation (ft):**	-0.96
Depth to Bottom (ft):	5.03	**Bottom Elevation (ft):**	-2.54
Height of Water Column (ft):	1.58	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.06	**Calculated Purge Volume (gal):**	0.19
Sample Date:	9/16/2016	**Begin Purge Time:**	13:00
Sample Time:	13:20	**Complete Purge Time:**	13:15
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	clear	**Odors Observed:**	petrol odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:00	20.08	7.15	1.28	-30	12.04	0.0			
13:03	20.15	7.10	1.20	-28	10.08	0.0			
13:06	21.71	7.10	1.17	-28	9.88	0.0			
13:09	21.54	7.10	1.17	-26	9.81	0.0			
13:12	21.54	7.10	1.15	-25	9.72	0.0			
13:15	21.49	7.10	1.13	-25	9.52	0.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-16	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	9.51	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.55	**Groundwater Elevation (ft):**	0.70
Depth to Bottom (ft):	10.79	**Bottom Elevation (ft):**	-0.54
Height of Water Column (ft):	1.24	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.05	**Calculated Purge Volume (gal):**	0.15
Sample Date:	9/19/2016	**Begin Purge Time:**	
Sample Time:	12:05	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:	clear	**Odors Observed:**	petroleum odor
Analytical Laboratory:	Alpha	**Notes:**	Water parameters not collected. Slight sheen of oil.
Date Shipped:	9/19/2016		
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (15-20')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.27	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	10.14	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.42	**Calculated Purge Volume (gal):**	1.25
Sample Date:	9/16/2016	**Begin Purge Time:**	13:57
Sample Time:	14:15	**Complete Purge Time:**	14:12
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	Blind Duplicate
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:57	22.29	7.36	0.566	-56	1.94	0.0			
14:00	21.94	6.69	0.649	-61	1.37	530.0			
14:03	21.20	6.53	0.652	-65	1.42	422.0			
14:06	21.41	6.48	0.667	-77	1.45	340.0			
14:09	21.09	6.47	0.667	-74	1.02	311.0			
14:12	21.08	6.47	0.67	-72	1.04	300.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (35-40')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	10.38	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	28.93	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	18.55	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.76	**Calculated Purge Volume (gal):**	2.28
Sample Date:	9/16/2016	**Begin Purge Time:**	14:20
Sample Time:	14:35	**Complete Purge Time:**	14:32
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:12
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/19/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:20	21.57	6.41	35.22	-65	1.44				
14:23	19.90	6.88	35.10	-73	1.23				
14:26	19.34	6.65	36.10	-88	1.52				
14:29	19.26	6.62	35.80	-85	0.62				
14:32	19.26	6.60	35.80	-84	0.63				

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.95	**Groundwater Elevation (ft):**	0.65
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	5.66	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.92	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/6/2016	**Begin Purge Time:**	9:54
Sample Time:	10:15	**Complete Purge Time:**	10:10
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:16
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	Dupe. MS/MSD.
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
9:54	16.22	6.27	7.61	43.000	4.67	831.0			
9:57	17.93	6.16	8.21	-55.000	7.12	341.0			
10:00	19.06	6.16	8.11	-72.000	6.90	195.0			
10:03	19.54	6.20	7.86	-79.000	6.73	122.0			
10:06	19.71	6.21	7.57	-83.000	6.49	80.9			
10:09	19.82	6.22	7.32	-86.000	6.27	58.5			
10:10	19.65	6.22	7.19	-87	6.17	49			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-11	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.96	**Groundwater Elevation (ft):**	0.77
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.33	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.03	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/6/2016	**Begin Purge Time:**	10:34
Sample Time:	10:50	**Complete Purge Time:**	10:49
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Slight tinge	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:34	17.72	6.57	2.22	-44	1.69	227.0			
10:37	19.31	6.19	1.84	3	0.45	159.0			
10:40	20.69	6.07	1.77	25	0.33	124.0			
10:43	21.14	6.00	1.79	39	0.27	82.2			
10:46	21.25	5.99	1.87	43	0.25	56.8			
10:49	21.25	6.02	1.97	44	0.23	24			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-12	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9	**Groundwater Elevation (ft):**	0.65
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	NM	**Well Diameter (in):**	2
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/6/2016	**Begin Purge Time:**	11:23
Sample Time:	11:36	**Complete Purge Time:**	11:35
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:12
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:23	14.94	6.34	1.27	56	6.87	267.0			
11:26	15.99	6.60	1.11	-52	0.48	87.3			
11:29	16.85	6.67	0.99	-69	0.32	42.2			
11:32	17.41	6.69	0.96	-74	0.27	25.5			
11:35	17.66	6.69	0.91	-77	0.23	18.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-13	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.26	**Groundwater Elevation (ft):**	0.63
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.25	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.69	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/6/2016	**Begin Purge Time:**	11:55
Sample Time:	12:10	**Complete Purge Time:**	12:08
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:13
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:55	16.31	6.49	1.99	-58	1.16	374.0			
11:59	17.99	6.53	2.04	-76	0.30	89.8			
12:02	18.50	6.62	1.71	-87	0.20	35.6			
12:05	18.72	6.68	1.52	-95	0.16	14.9			
12:08	18.74	6.72	1.43	-101	0.15	8.7			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-14	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.2	**Groundwater Elevation (ft):**	0.65
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.42	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.56	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/6/2016	**Begin Purge Time:**	12:30
Sample Time:	12:45	**Complete Purge Time:**	12:39
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:09
Sample Appearance:	Yellow tinge	**Odors Observed:**	no odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:30	16.46	6.83	1.010	-65	2.66	430			
12:33	17.35	6.82	0.949	-50	0.45	171.0			
12:36	18.37	6.80	0.929	-46	0.55	40.2			
12:39	18.76	6.81	0.901	-42	0.63	21.6			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-15	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.8	**Groundwater Elevation (ft):**	-1.31
Depth to Bottom (ft):	4.75	**Bottom Elevation (ft):**	-2.26
Height of Water Column (ft):	0.95	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.04	**Calculated Purge Volume (gal):**	0.12
Sample Date:	12/6/2016	**Begin Purge Time:**	
Sample Time:	14:56	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:	Dark	**Odors Observed:**	petrol odor
Analytical Laboratory:	Alpha	**Notes:**	Well was purging dry before filling the hariba. Samples collected without parameters.
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:04	14.25	6.88				0.0			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-16	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):		**Product Elevation (ft):**	N/A
Depth to Water (ft):	N/A	**Groundwater Elevation (ft):**	N/A
Depth to Bottom (ft):	10.79	**Bottom Elevation (ft):**	-0.54
Height of Water Column (ft):	N/A	**Well Diameter (in):**	1
Standing Water Volume (gal):	N/A	**Calculated Purge Volume (gal):**	N/A
Sample Date:	12/6/2016	**Begin Purge Time:**	
Sample Time:		**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	Water parameters not collected. Well was dry. Sample could not be collected.
Date Shipped:			
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (15-20')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	10.35	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	9.06	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.37	**Calculated Purge Volume (gal):**	1.11
Sample Date:	12/6/2016	**Begin Purge Time:**	13:15
Sample Time:	13:24	**Complete Purge Time:**	13:21
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:06
Sample Appearance:	Slight yellow tinge	**Odors Observed:**	none
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:15	14.96	7.68	NM	NM	NM	125			
13:18	16.93	6.24	NM	NM	NM	10.6			
13:21	17.64	6.53	38.400	-43	0.40	5.8			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (35-40')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.18	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	28.93	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	19.75	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.81	**Calculated Purge Volume (gal):**	2.43
Sample Date:	12/6/2016	**Begin Purge Time:**	13:35
Sample Time:	13:45	**Complete Purge Time:**	13:41
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:06
Sample Appearance:		**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/6/2016		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:35	16.61	7.68	4.87	-62	4.74	28			
13:38	18.11	7.47	1.05	-32	1.34	14			
13:41	17.85	7.12	1.02	-22	0.88	9.1			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.94	**Groundwater Elevation (ft):**	0.66
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	5.67	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.92	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/1/2017	**Begin Purge Time:**	10:44
Sample Time:	11:00	**Complete Purge Time:**	10:59
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	Dark color, then cleared up
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:44	18.02	6.54	4.89	20.000	0.66	881.0			
10:47	17.21	6.54	6.32	-44.000	0.00	171.0			
10:50	17.72	6.55	6.52	-65.000	0.00	83.0			
10:53	18.02	6.54	6.57	-72.000	0.00	70.7			
10:56	18.22	6.54	6.62	-77.000	0.00	58.6			
10:59	18.30	6.53	6.55	-79.000	0.00	49.9			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-11	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.97	**Groundwater Elevation (ft):**	0.76
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.32	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.03	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/1/2017	**Begin Purge Time:**	10:15
Sample Time:	10:30	**Complete Purge Time:**	10:30
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Slight tinge	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	Rust Color
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:15	17.30	6.39	2.84	152	12.54	175.0			
10:18	18.36	6.39	3.00	145	3.59	280.0			
10:21	19.21	6.50	3.01	131	2.55	97.9			
10:24	19.44	6.55	2.95	125	1.81	55.1			
10:27	19.73	6.58	2.85	117	1.13	42.7			
10:30	19.83	6.59	2.81	111	0.83	36			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-12	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.01	**Groundwater Elevation (ft):**	0.64
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	4.10	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.67	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/1/2017	**Begin Purge Time:**	11:30
Sample Time:	11:55	**Complete Purge Time:**	11:55
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:25
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:30	15.88	6.96	2.52	-59	0.00	647.0			
11:33	15.21	6.90	1.16	-50	0.00	331.0			
11:36	15.99	6.84	1.06	-50	0.00	127.0			
11:39	16.19	6.80	1.06	-52	0.00	89.9			
11:42	16.29	6.79	1.00	-53	0.00	84.4			
11:45	16.35	6.77	0.98	-54	0.00	82.2			
11:48	16.91	6.77	0.97	-55	0.00	78.8			
11:51	16.61	6.77	0.96	-55	0.00	70			
11:54	16.76	6.76	0.95	-54	0.00	71.9			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-13	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.28	**Groundwater Elevation (ft):**	0.61
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.23	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.69	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/1/2017	**Begin Purge Time:**	12:00
Sample Time:	12:16	**Complete Purge Time:**	12:15
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:		**Odors Observed:**	Suspect Odor
Analytical Laboratory:	Alpha	**Notes:**	Sheen
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:00	15.60	6.83	1.84	-57	0.00	27.1			
12:03	15.11	6.82	2.16	-77	0.00	24.4			
12:06	15.23	6.89	1.99	-90	0.00	8.9			
12:09	15.30	6.93	1.88	-97	0.00	5.7			
12:12	15.31	6.96	1.82	-102	0.00	5.0			
12:15	15.31	7.00	1.73	-110	0.00	4.5			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-14	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.24	**Groundwater Elevation (ft):**	0.61
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.38	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.55	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/1/2017	**Begin Purge Time:**	12:27
Sample Time:	12:50	**Complete Purge Time:**	12:39
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:12
Sample Appearance:	Yellow tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	Sheen at start/ Dupe/MS/MSD
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:27	15.14	7.03	1.260	-85	0.00	434			
7:12	15.77	7.00	1.250	-81	0.00	38.6			
7:55	16.11	7.01	1.240	-78	0.00	14.1			
8:38	16.17	7.02	1.230	-76	0.00	10.9			
9:21	16.20	7.03	1.230	-74	0.00	7.8			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-15	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.88	**Groundwater Elevation (ft):**	-1.39
Depth to Bottom (ft):	4.63	**Bottom Elevation (ft):**	-2.14
Height of Water Column (ft):	0.75	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.03	**Calculated Purge Volume (gal):**	0.09
Sample Date:	3/1/2017	**Begin Purge Time:**	0:00
Sample Time:	14:10	**Complete Purge Time:**	0:00
Purge Method:	NA	**Sample Method:**	Bailer
Purge Rate (mL/min):	NA	**Purge Time (min):**	0:00
Sample Appearance:	Dark	**Odors Observed:**	Suspect odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well.
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	MW-16	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	9.68	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.68	**Groundwater Elevation (ft):**	0.57
Depth to Bottom (ft):	9.68	**Bottom Elevation (ft):**	0.57
Height of Water Column (ft):	0.00	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.00	**Calculated Purge Volume (gal):**	0.00
Sample Date:	3/1/2017	**Begin Purge Time:**	
Sample Time:	0:00	**Complete Purge Time:**	
Purge Method:	NA	**Sample Method:**	NA
Purge Rate (mL/min):	NA	**Purge Time (min):**	0:00
Sample Appearance:		**Odors Observed:**	Suspect odor
Analytical Laboratory:	NA	**Notes:**	No water present. Some petroleum in the bottom of the well. Absorbent pads were used to remove the petroleum until the interface probe no longer identified petroleum. No Sample collected.
Date Shipped:	NA		
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (15-20')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	10.30	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	9.11	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.37	**Calculated Purge Volume (gal):**	1.12
Sample Date:	3/1/2017	**Begin Purge Time:**	13:06
Sample Time:	13:20	**Complete Purge Time:**	13:18
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:12
Sample Appearance:	Slight yellow tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:06	15.96	7.01	34.3	54	1.68	34.8			
13:09	17.17	7.08	38.2	-24	0.00	7.9			
13:12	17.36	7.13	38.8	-48	0.00	8.9			
13:15	17.03	7.16	38.9	-64	0.00	6.4			
13:18	16.27	7.21	38.3	-47	0.00	4.9			

P.W. GROSSER CONSULTING

Well Sampling Log

Well Designation:	ML Well1 (35-40')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1601

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	10.42	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	28.93	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	18.51	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.76	**Calculated Purge Volume (gal):**	2.28
Sample Date:	3/1/2017	**Begin Purge Time:**	13:27
Sample Time:	13:40	**Complete Purge Time:**	13:39
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:12
Sample Appearance:		**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:27	15.86	7.29	35.50	-60	1.00	29			
13:30	15.98	7.20	35.80	-46	0.22	13			
13:33	15.96	7.21	36.00	-55	0.00	18.5			
13:36	16.22	7.20	37.20	-63	0.00	9.4			
13:39	16.27	7.21	38.10	-65	0.00	8.9			

APPENDIX D

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Ryan Morley

Inspection Time: 0830

Inspection Date: 3/29/2016

Weather Conditions: Windy, Sunny, 50's

YES	NO	
☐	X	Were any system alarms on upon arrival?
X	☐	Was the system operating upon arrival?
X	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	X	Was the SVE Blower Intake Filter replaced during this visit?
X	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	X	Was the SVE Blower Dilution Filter replaced during this visit?
☐	X	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	X	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
X	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	32	" W.C.
TI-701	69	ºF
PI-701	24	" W.C.
PI-702	0	" W.C.
Hours	3,082.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NP	8.85	14.38
MW-11	NP	9.01	15.30
MW-12	NP	9.19	NM
MW-13	NP	9.18	13.48
MW-14	NP	9.16	12.61
MW-15	NP	3.88	4.53
MW-16	9.60	N/A	10.79
ML-Well1 (15-20')	NP	9.30	20
ML-Well1 (35-40')	NP	9.35	40

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.001	-0.000	-0.019	-0.035	-0.048	-0.033	-0.004	-0.011	-0.047	-0.041	N/A	-0.008

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator	N/A	0856	-29.7	0856	N/A	Influent	
Post-Treatment	N/A	0854	-29.8	0854	N/A	Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Legs 1, 2, and 5 are 100% open. Legs 3, 4, and 6 are 50 % open.

Comments: ____System was operational upon arrival. Temporarily turned the system off to drain moisture separator; however, no liquids came out. Also cleaned off filters.

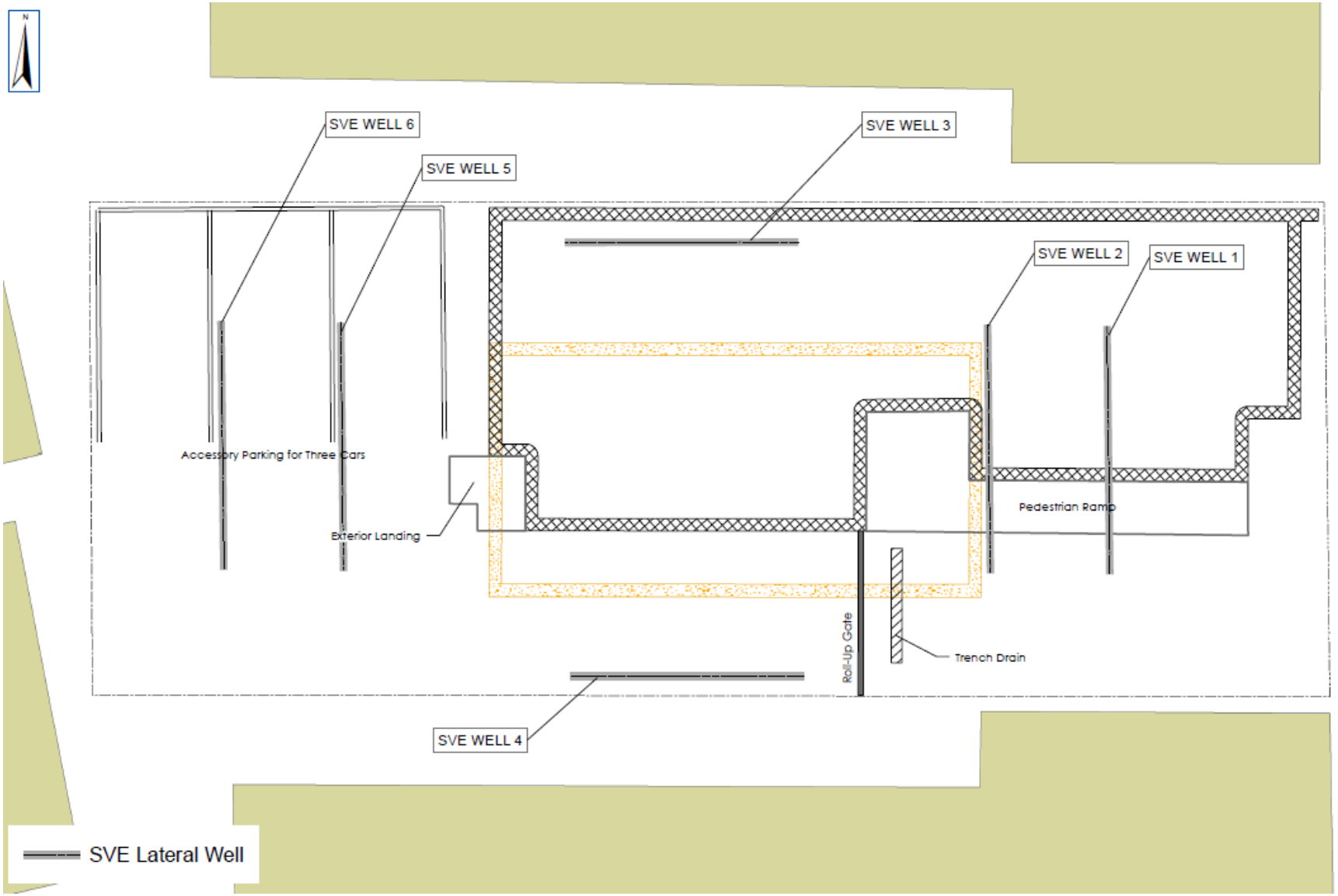
Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

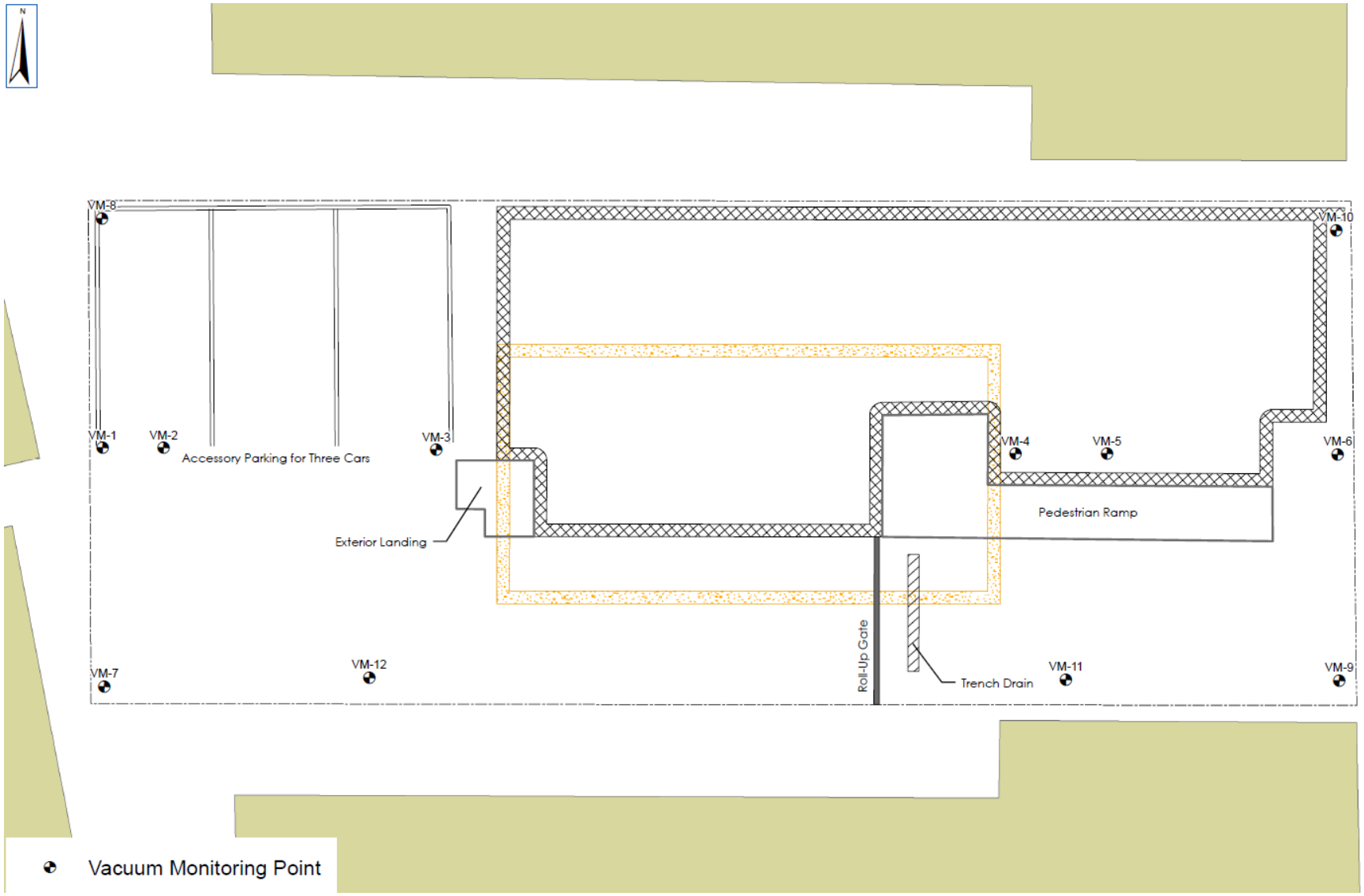


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

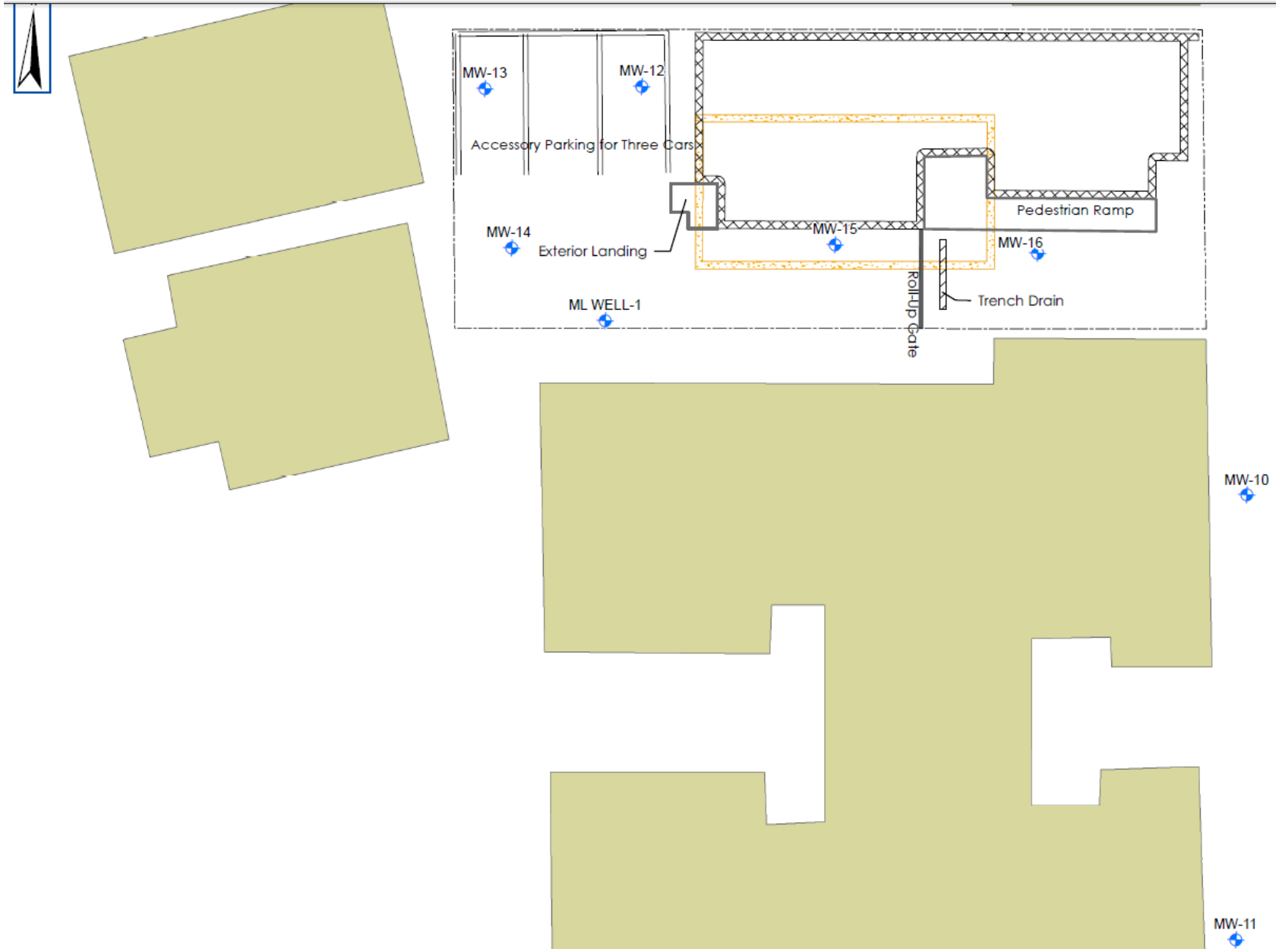


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Ryan Morley

Inspection Time: 1440

Inspection Date: 4/21/2016

Weather Conditions: Sunny, 70F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	16	" W.C.
FI-701	Not working	CFM
VI-MS	26	" W.C.
VI-703	31	" W.C.
TI-701	88	ºF
PI-701	24	" W.C.
PI-702	0	" W.C.
Hours	3,640.2	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: Monthly system inspection. System appears to be operating correctly.

Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Ryan Morley

Inspection Time: 1000

Inspection Date: 5/12/2016

Weather Conditions: Sunny, 75F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not working	CFM
VI-MS	27	" W.C.
VI-703	32	" W.C.
TI-701	91	ºF
PI-701	24	" W.C.
PI-702	0	" W.C.
Hours	4,140.1	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: Monthly system inspection. System appears to be operating correctly.

Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Ryan Morley

Inspection Time: 15;00

Inspection Date: 6/22/2016

Weather Conditions: Sunny, 80's

YES	NO	
☐	X	Were any system alarms on upon arrival?
X	☐	Was the system operating upon arrival?
X	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	X	Was the SVE Blower Intake Filter replaced during this visit?
X	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	X	Was the SVE Blower Dilution Filter replaced during this visit?
☐	X	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	X	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
X	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	16	" W.C.
FI-701	Not Working	CFM
VI-MS	26	" W.C.
VI-703	28	" W.C.
TI-701	104	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	5,129.2	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NP	8.83	14.61
MW-11	NP	9.00	15.29
MW-12	NP	8.92	13.11
MW-13	NP	9.20	13.51
MW-14	NP	9.16	12.62
MW-15	NP	3.80	5.03
MW-16	9.51	9.67	10.79
ML-Well1 (15-20')	NP	9.24	20
ML-Well1 (35-40')	NP	10.03	40

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.017	-0.003	-0.037	-0.058	-0.060	NA	-0.009	-0.023	-0.027	-0.007	-0.002	-0.002

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator	N/A	15:09	-29.00	15:10	-5.00	Influent	
Post-Treatment	N/A	15:14	-29.00	15:15	-5.00	Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Legs 1, 2, and 5 are 100% open. Legs 3, 4, and 6 are 50 % open.

Comments: ____System was operational upon arrival.

Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Ryan Morley

Inspection Time: 13:00

Inspection Date: July 13, ,2016

Weather Conditions: 80 Deg, Cloudy

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	0	CFM
VI-MS	26	" W.C.
VI-703	28	" W.C.
TI-701	100	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	5,633.3	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.27	9.33	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

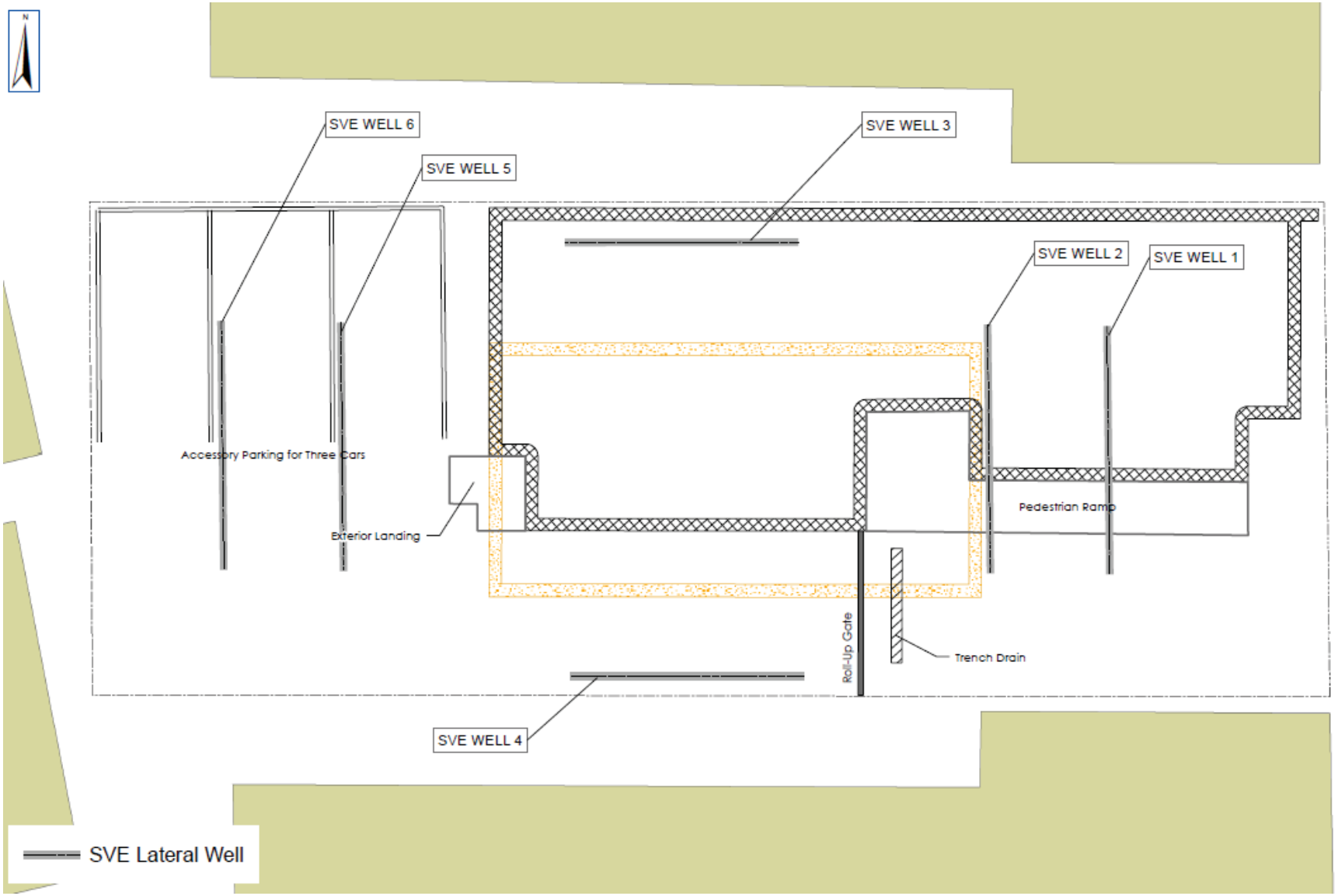
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

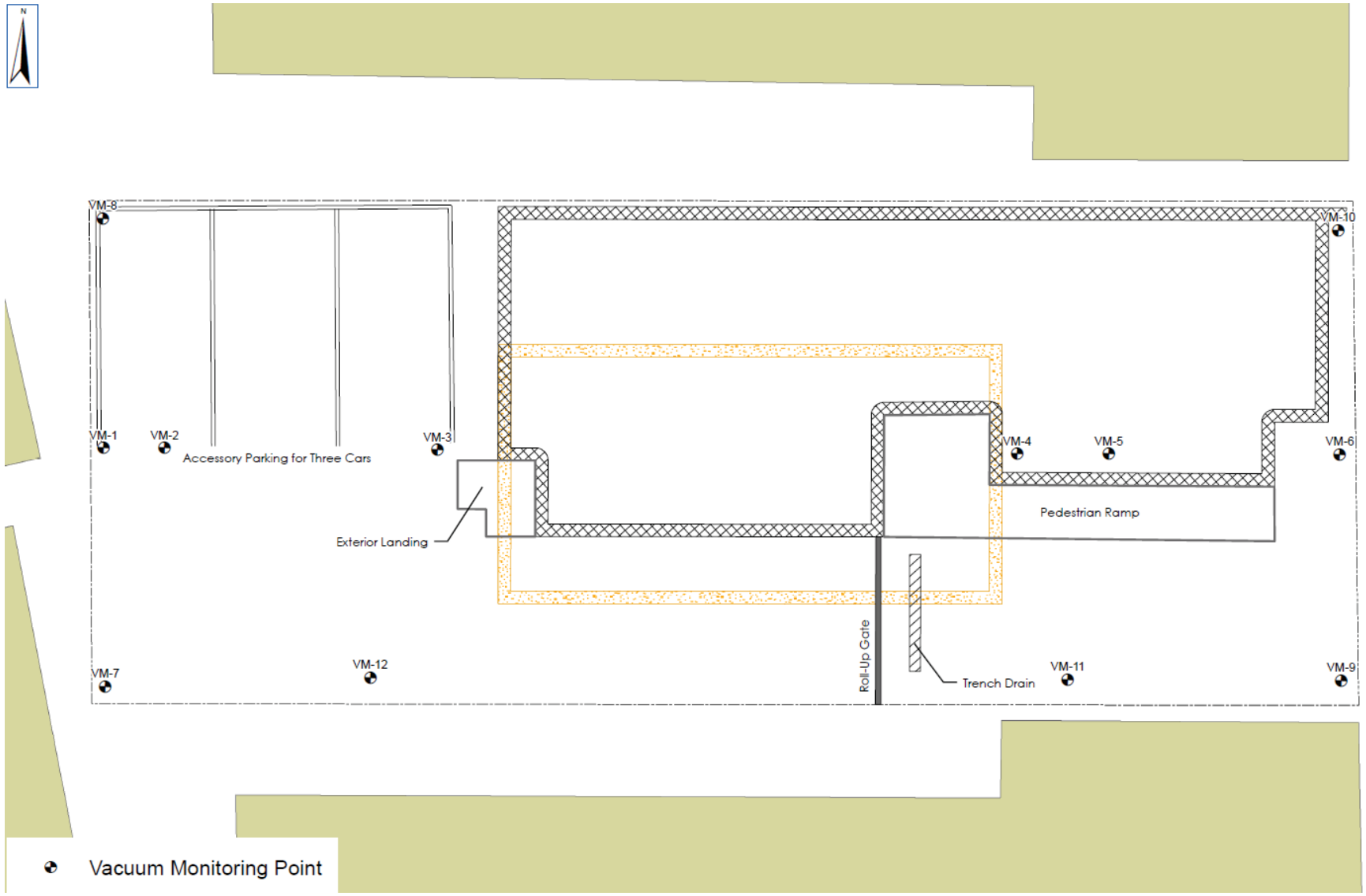


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

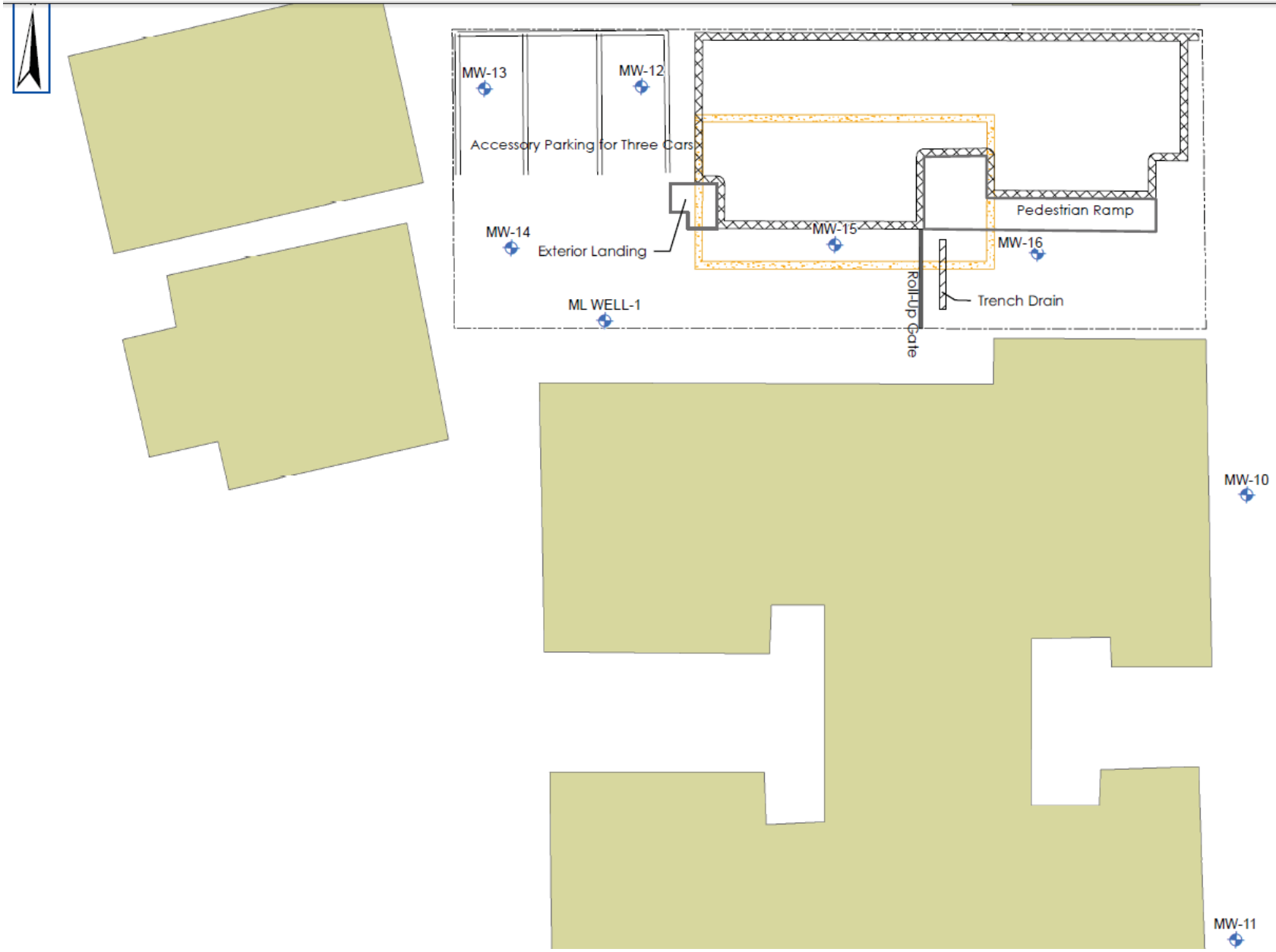


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 9:45

Inspection Date: 8/5/16

Weather Conditions: Sunny, 80F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not functioning	CFM
VI-MS	27	" W.C.
VI-703	28	" W.C.
TI-701	108	ºF
PI-701	21	" W.C.
PI-702	0	" W.C.
Hours	6179.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.022	-0.019	-0.031	-0.042	-0.050	NM	-0.025	-0.017	-0.018	-0.012	NM	NM

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: system operating normally

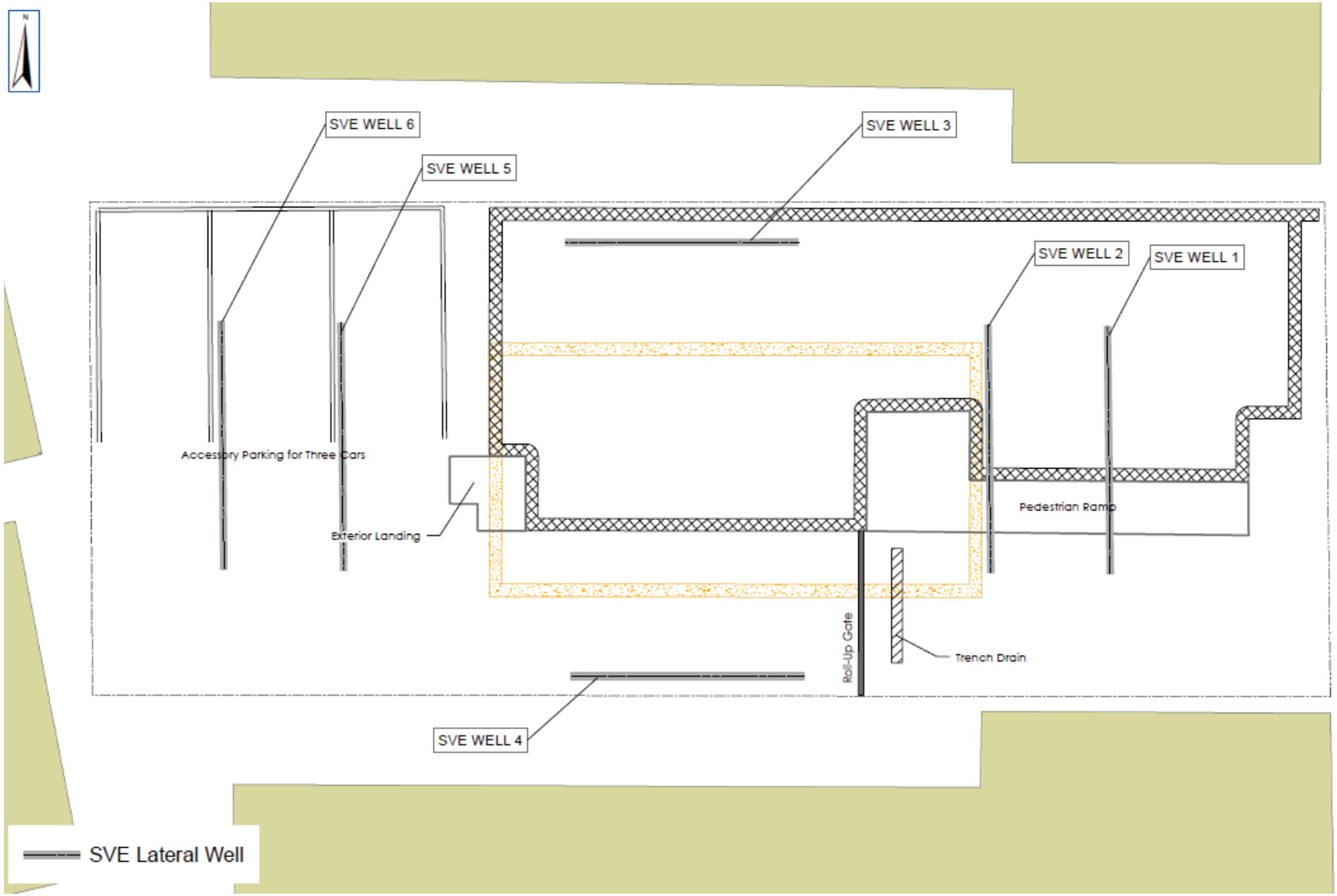
Items to be Addressed / Fixed:

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

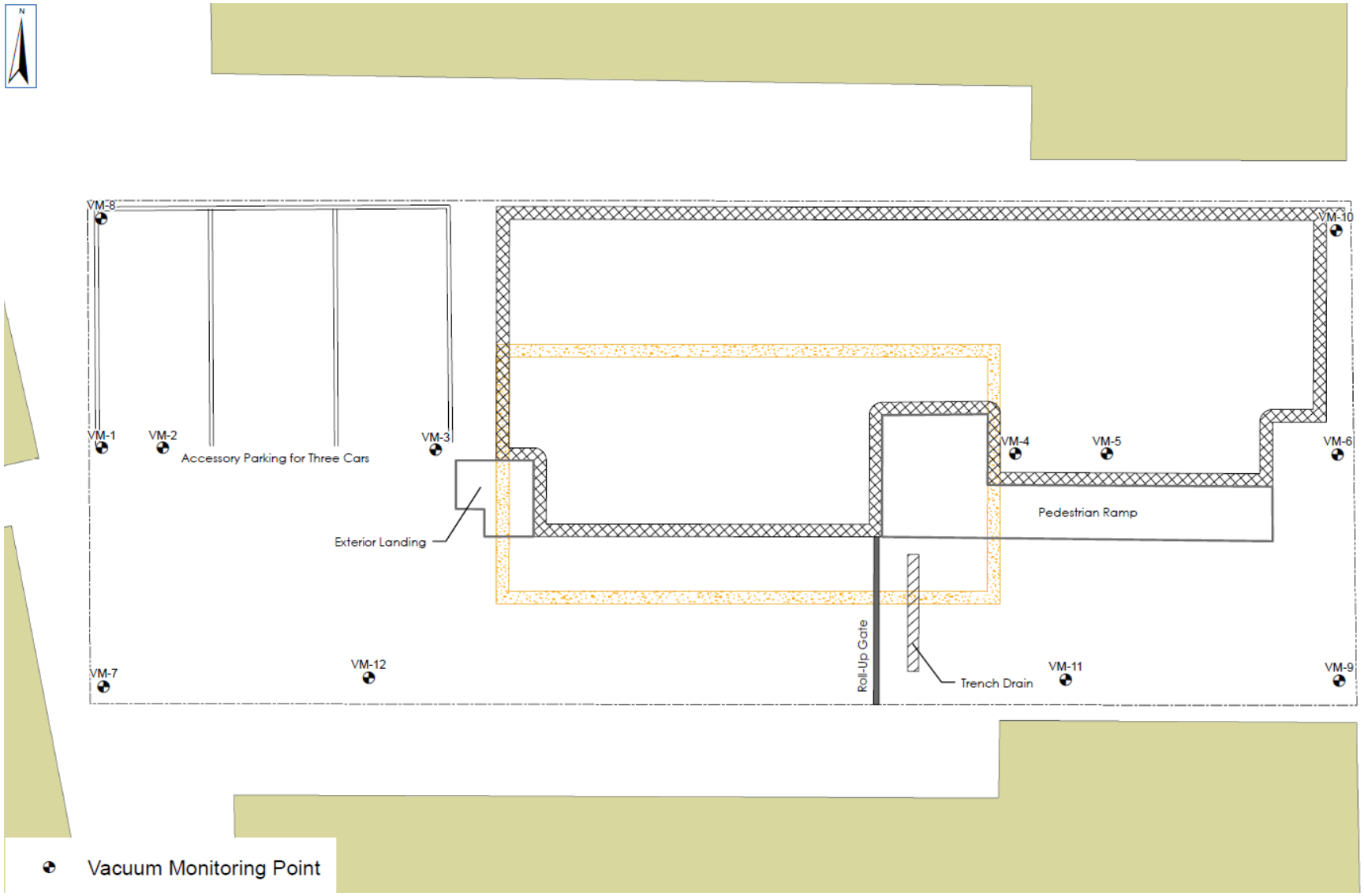


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

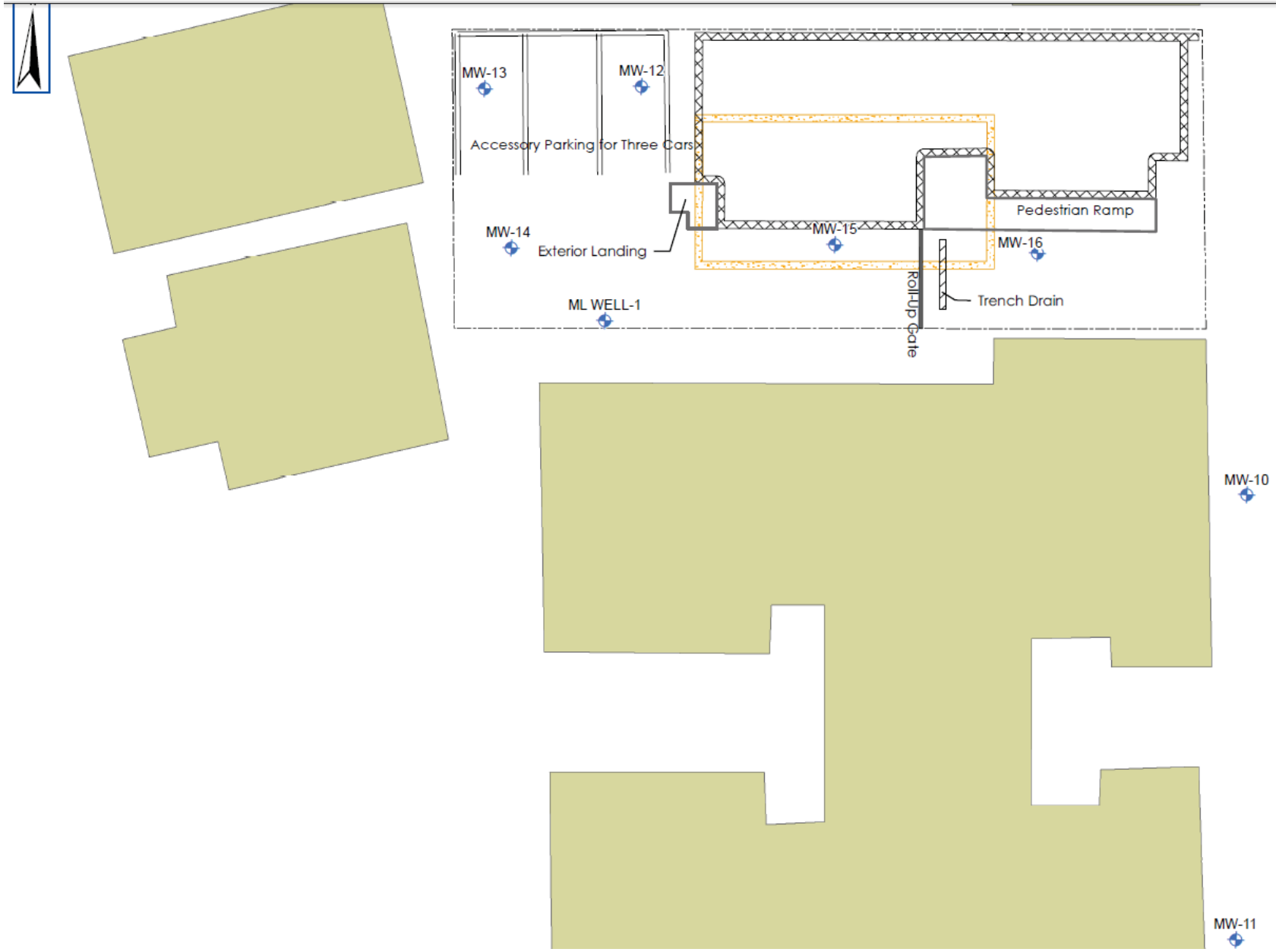


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 10:35

Inspection Date: 8/17/16

Weather Conditions: Sunny, 90F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☐	☑	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not functioning	CFM
VI-MS	27	" W.C.
VI-703	31	" W.C.
TI-701	101	ºF
PI-701	18	" W.C.
PI-702	0	" W.C.
Hours	6304.2	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: system was off on arrival. Electrician had been doing work, flipped breaker and system operating again.

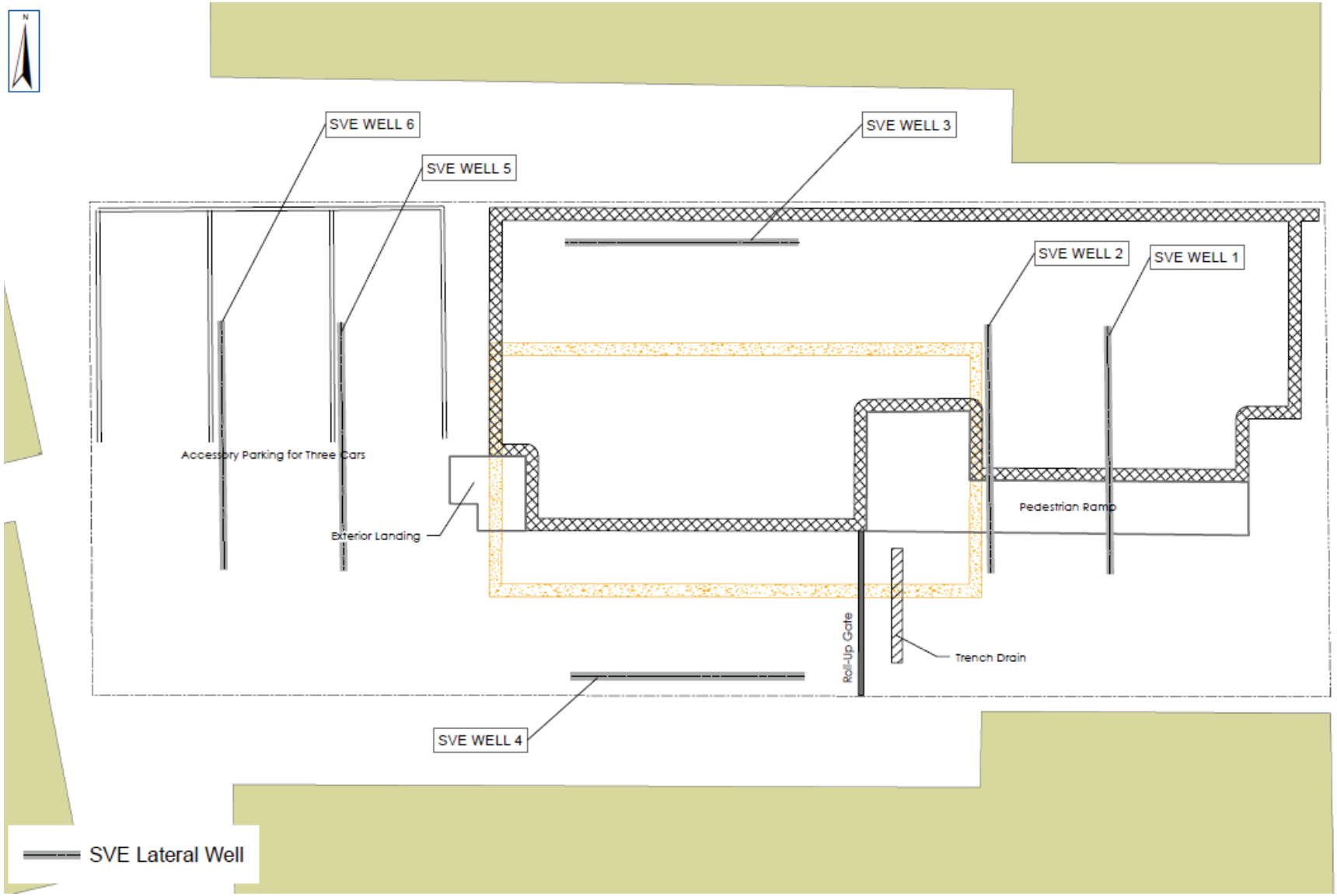
Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

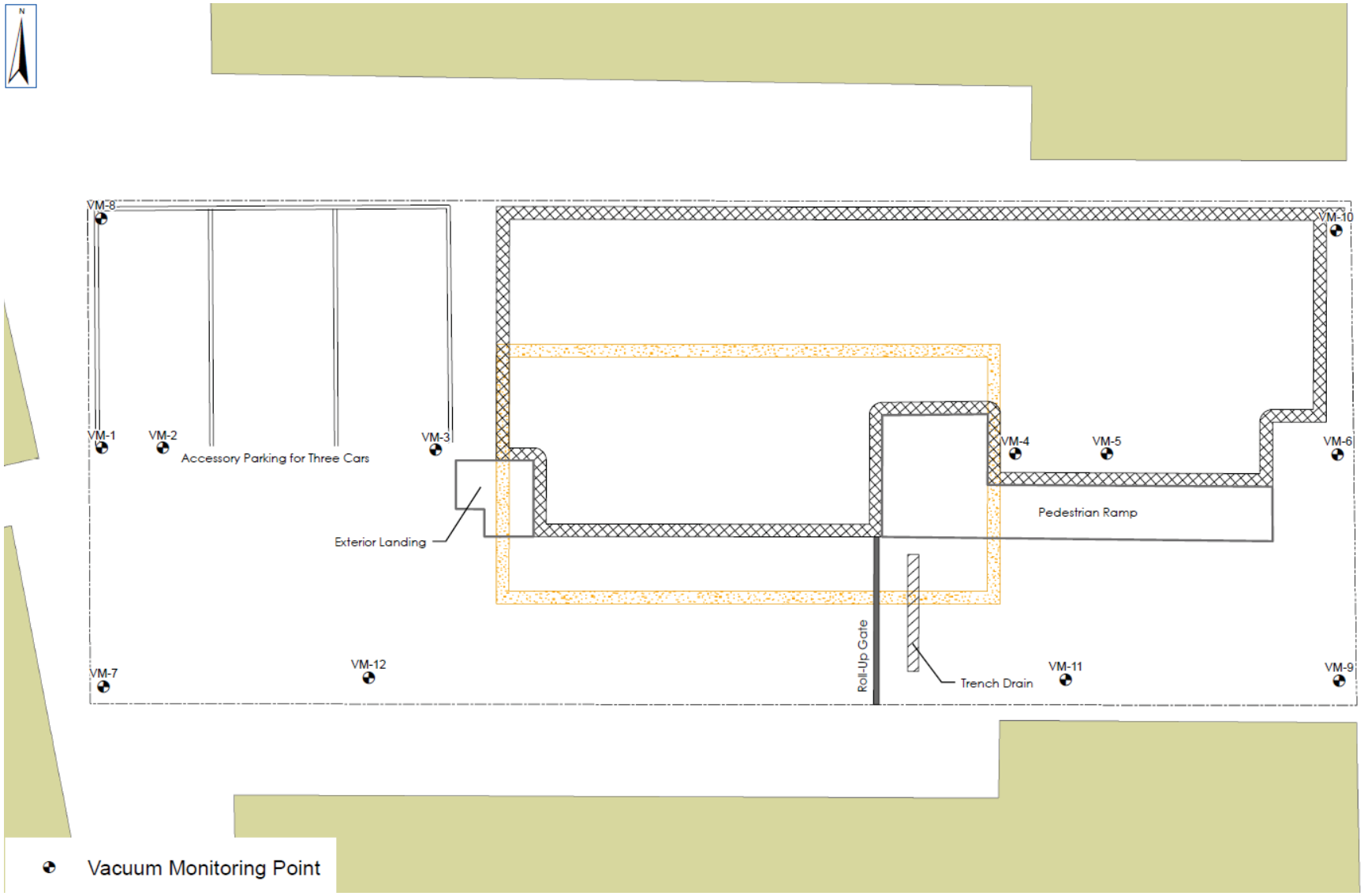


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

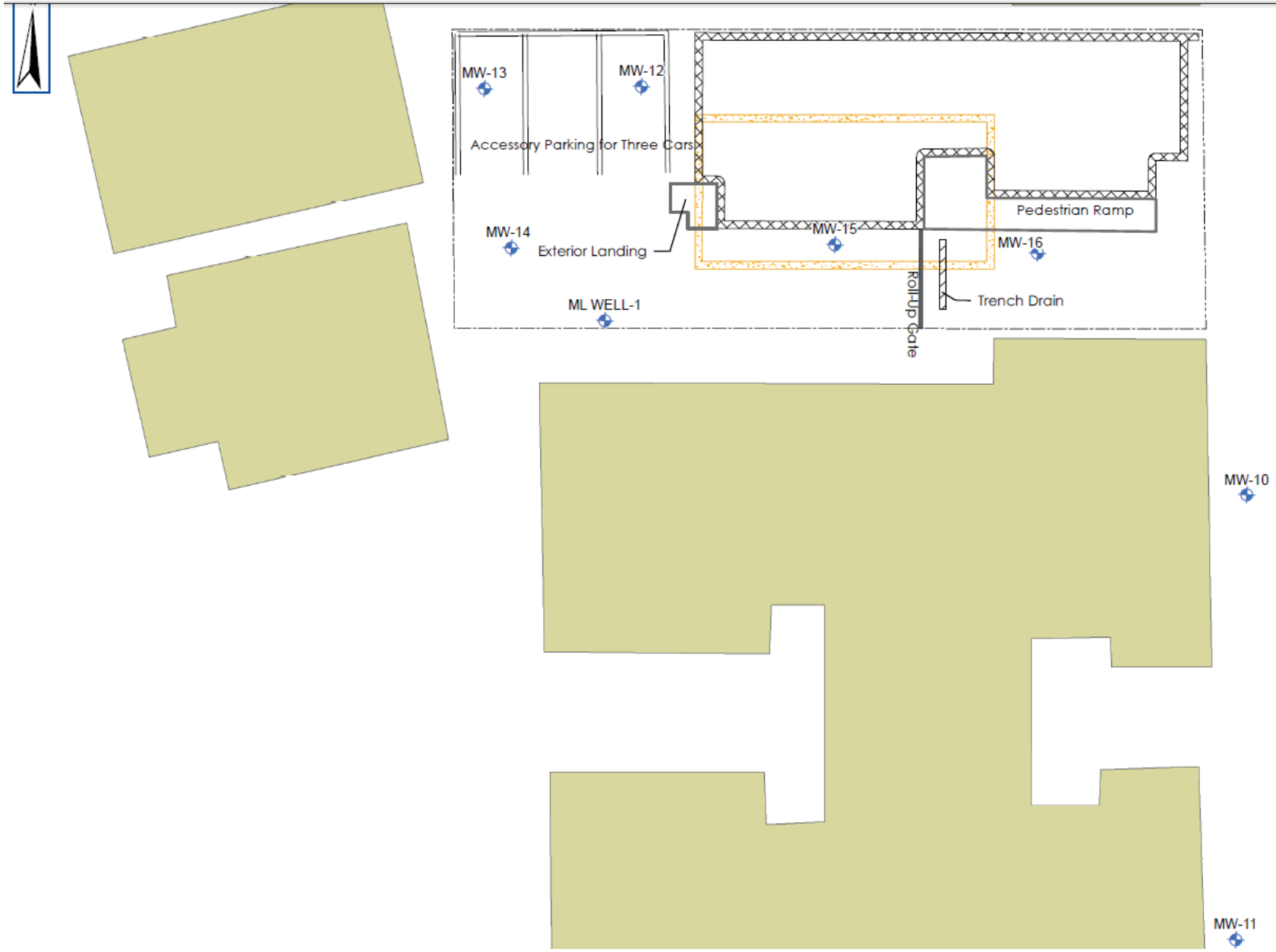


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 10:00

Inspection Date: 8/23/16

Weather Conditions: Sunny, 80F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☐	☑	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	18	" W.C.
FI-701	Not functioning	CFM
VI-MS	28	" W.C.
VI-703	31	" W.C.
TI-701	82	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	6425.7	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.48	9.49	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.019	-0.014	-0.017	-0.045	-0.052	NM	-0.02	-0.019	-0.029	0	NM	NM

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: system was off on arrival. Electrician had been doing work, flipped breaker and system operating again.

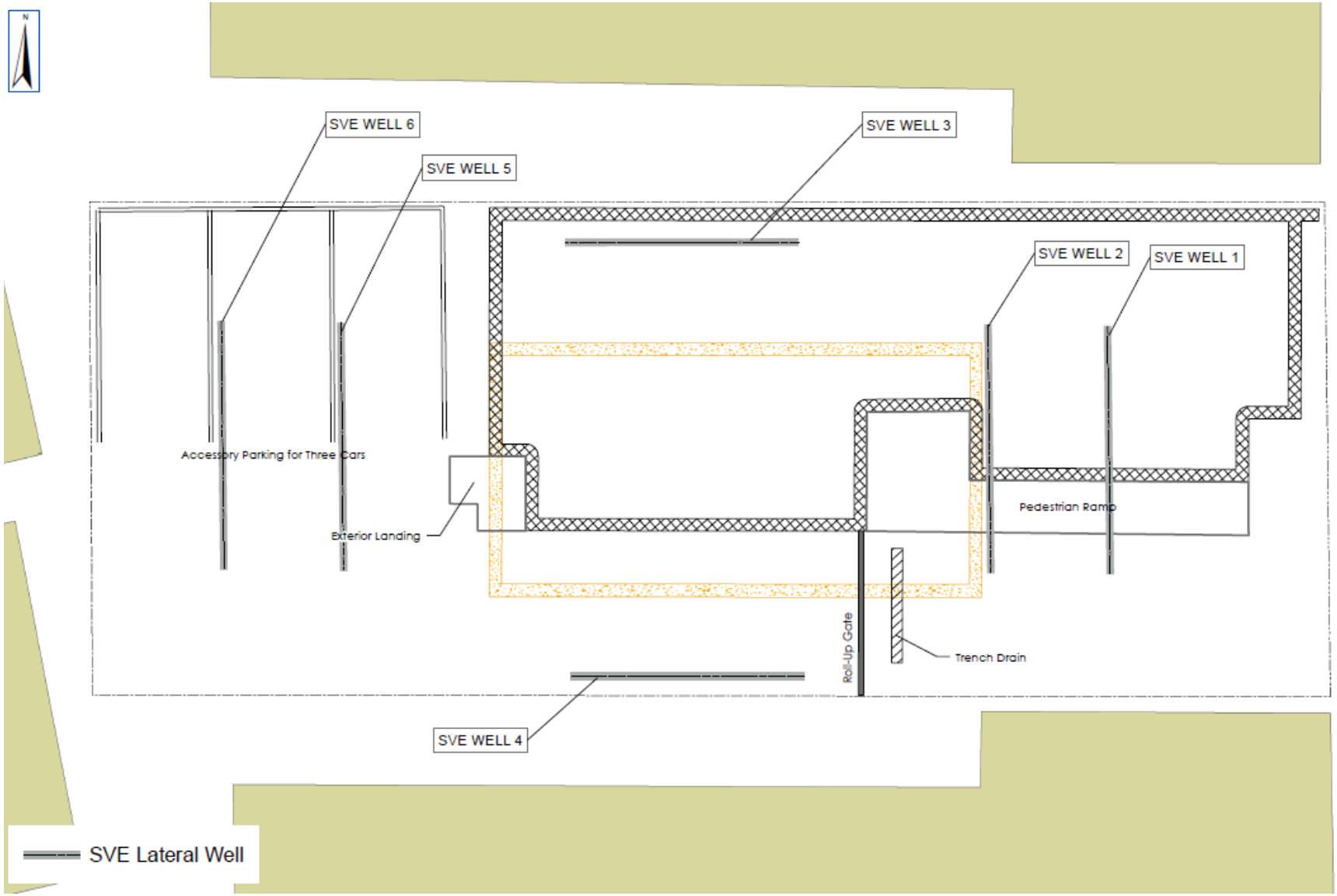
Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

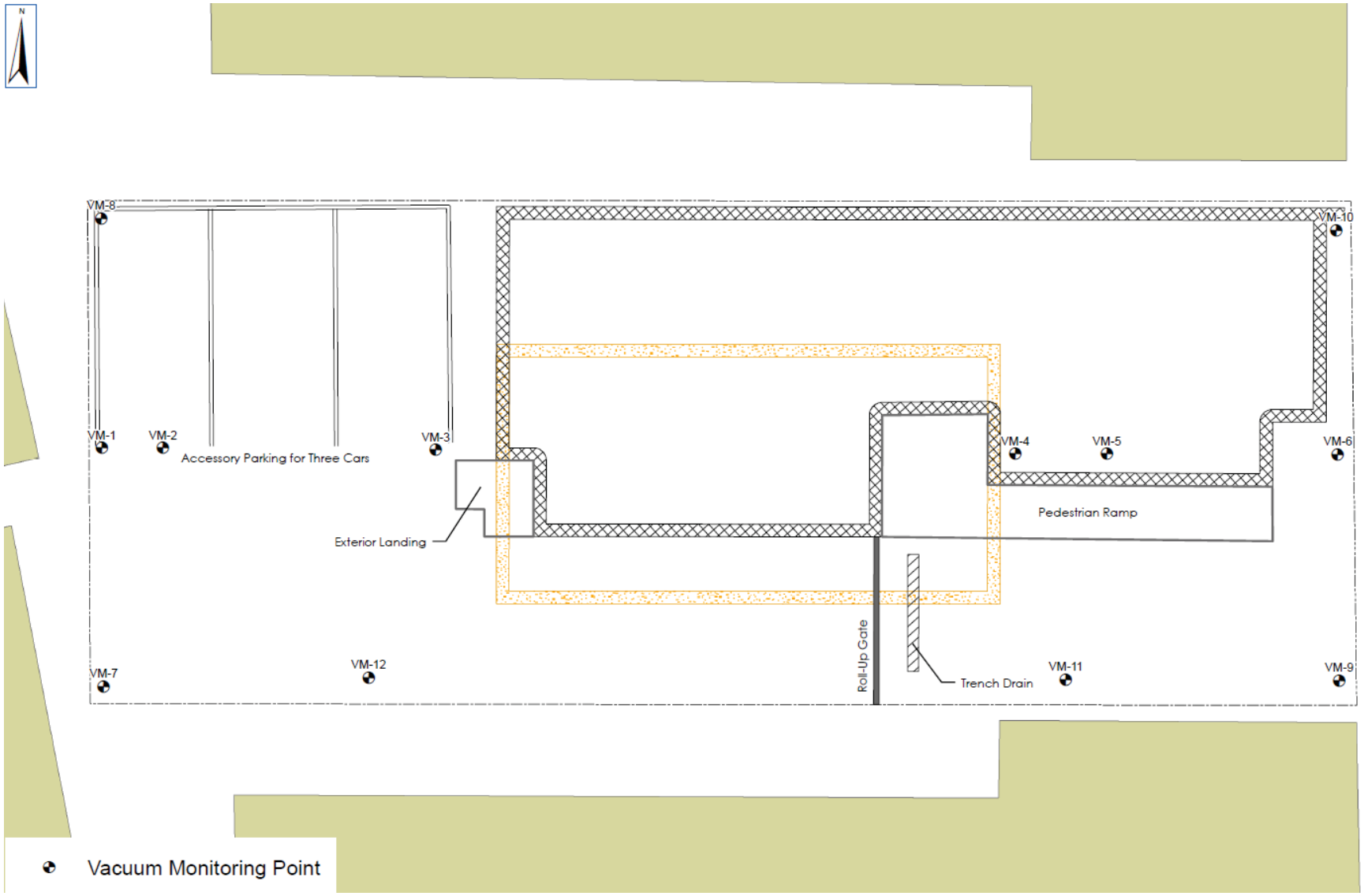


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

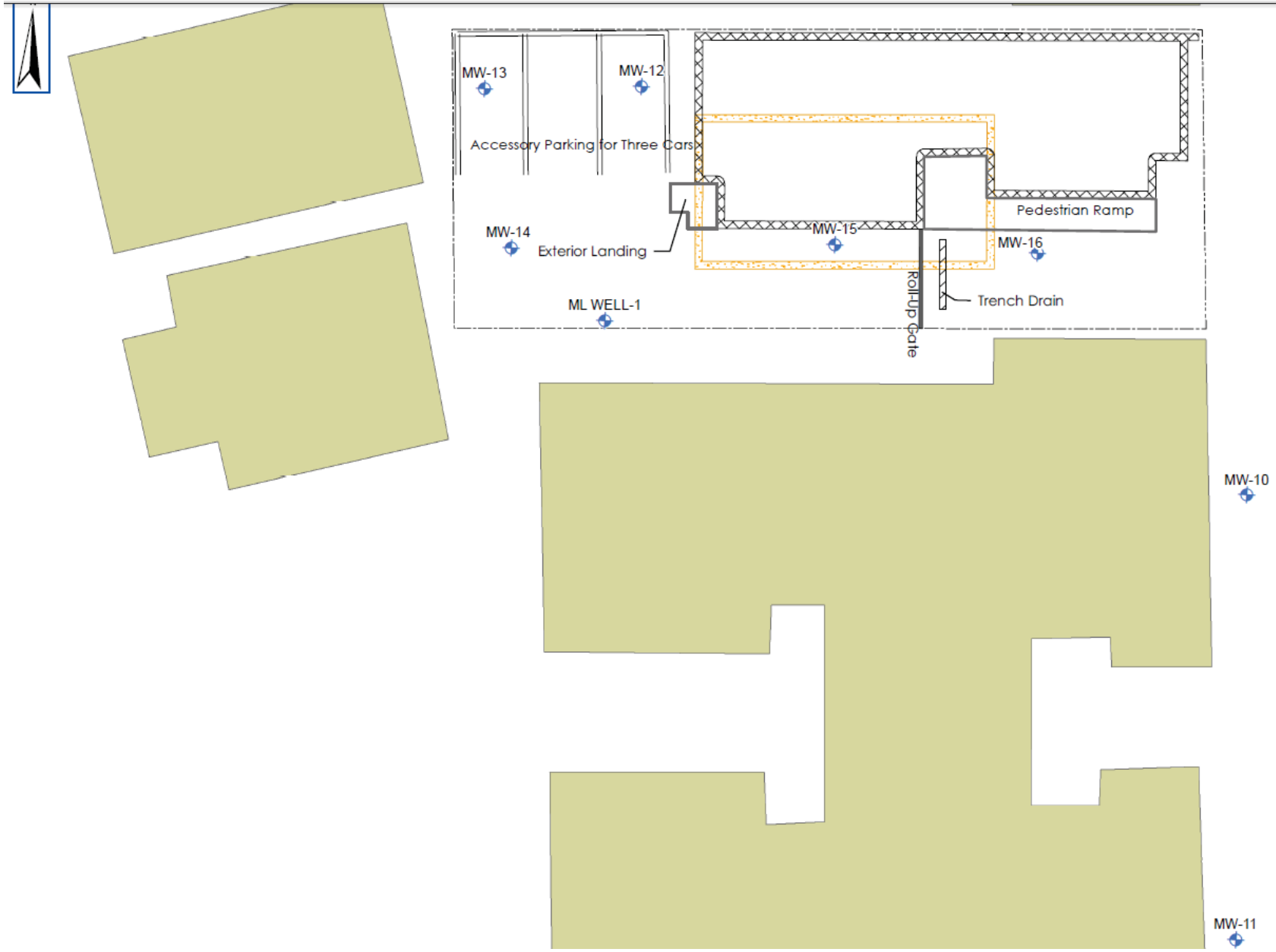


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 12:35

Inspection Date: 8/29/16

Weather Conditions: Sunny, 85F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	16	" W.C.
FI-701	Not functioning	CFM
VI-MS	27	" W.C.
VI-703	30	" W.C.
TI-701	111	ºF
PI-701	21	" W.C.
PI-702	0	" W.C.
Hours	6572.1	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	sheen	9.57	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

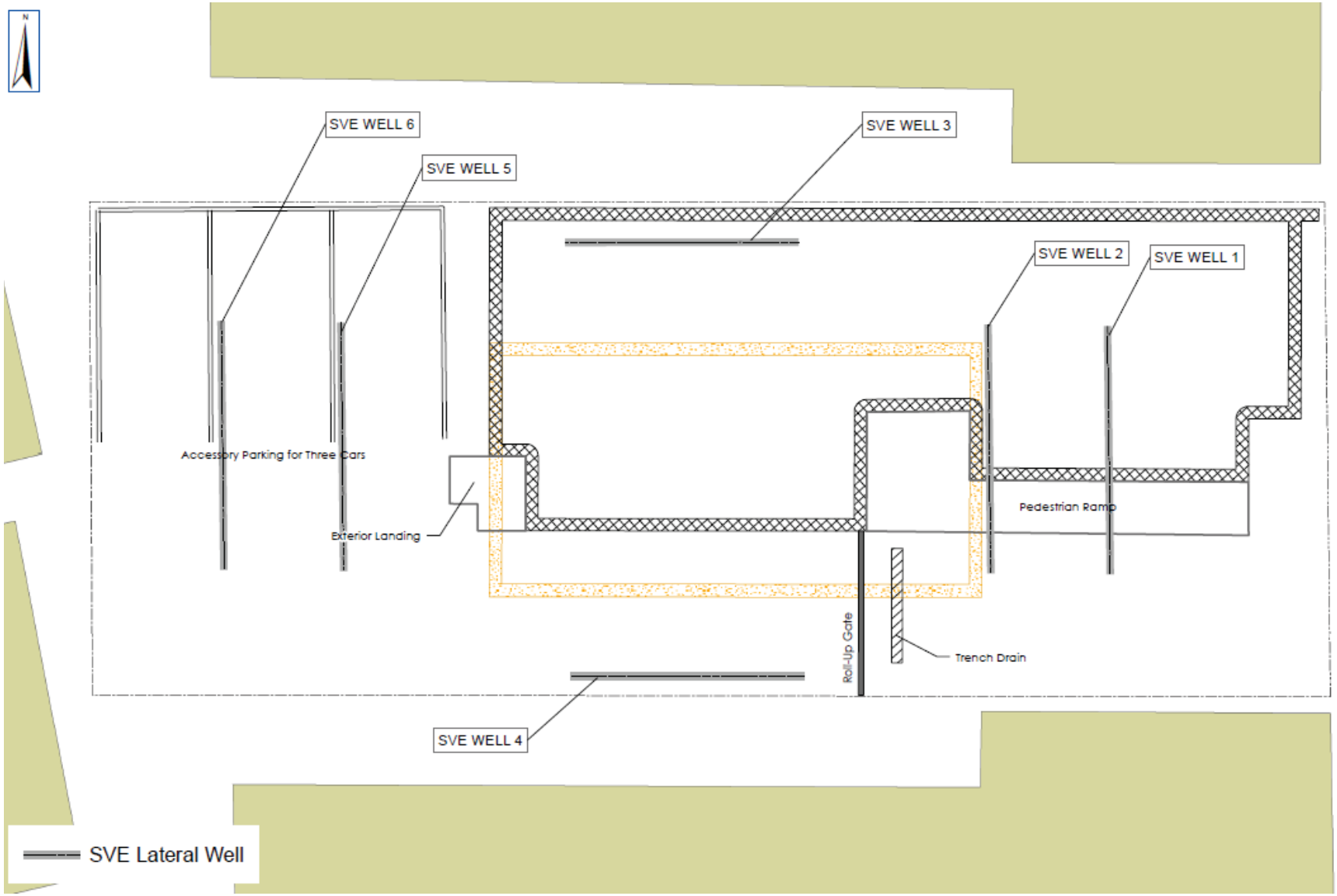
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

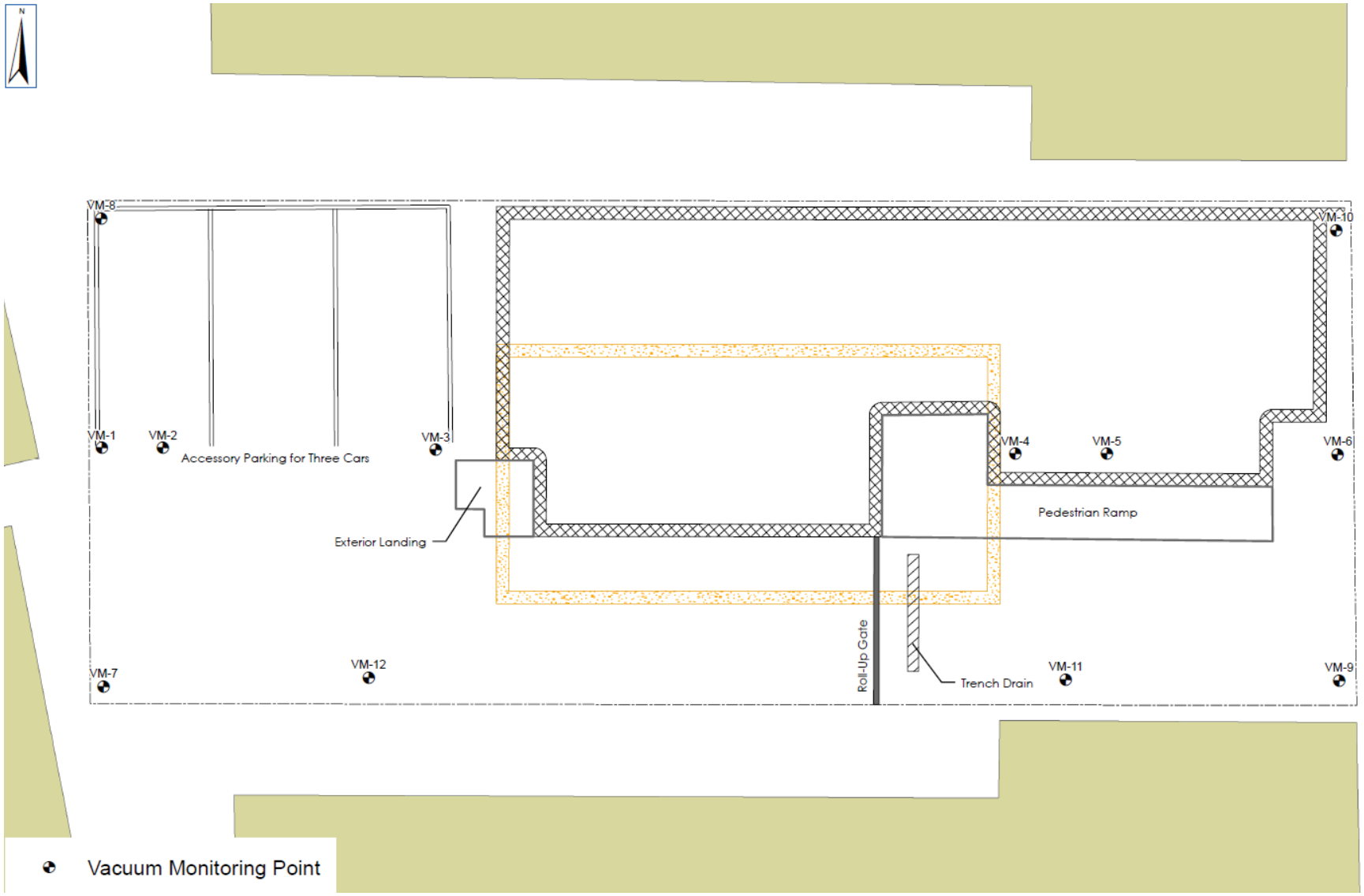


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

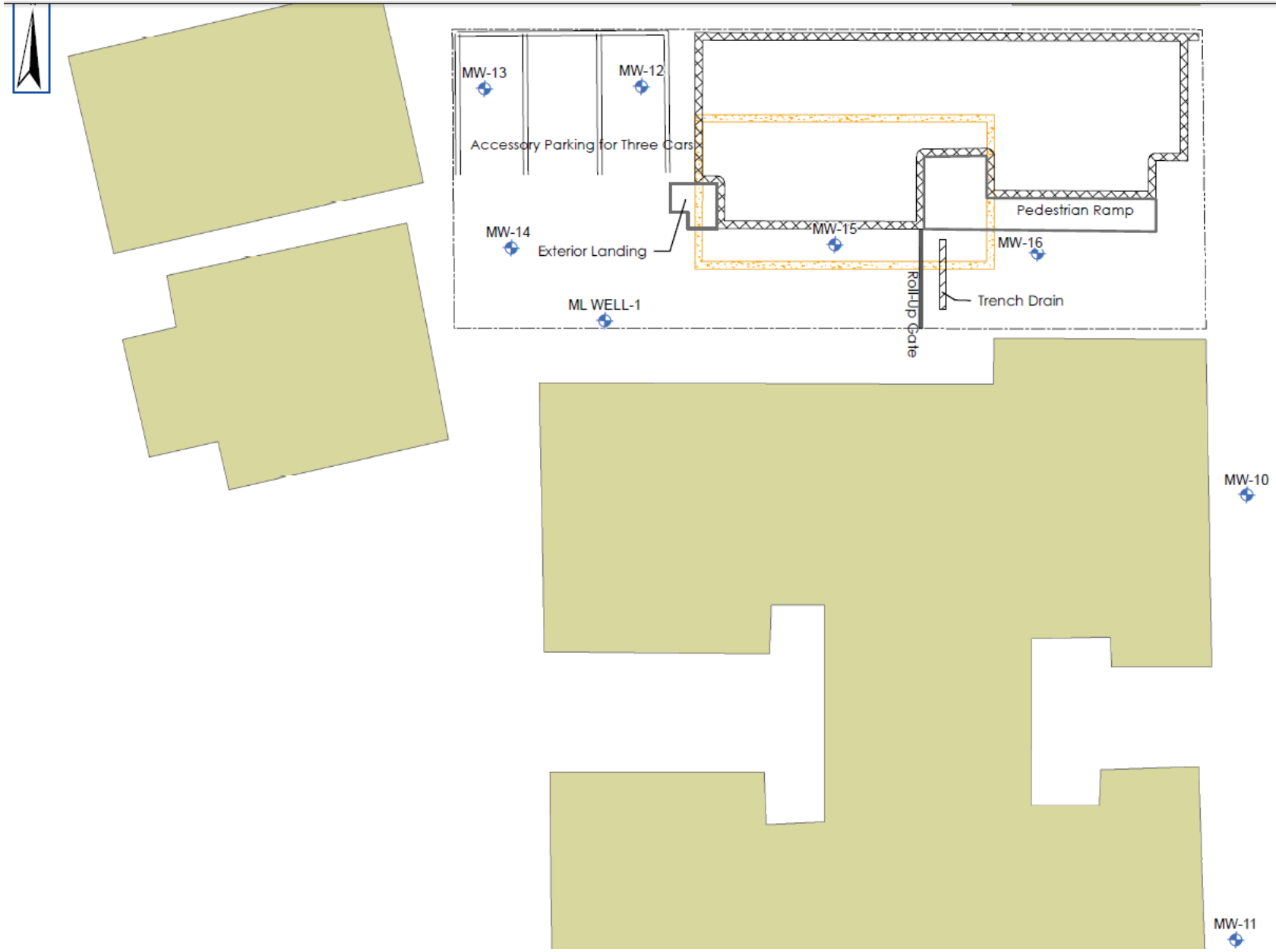


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 10:18

Inspection Date: 9/16/16

Weather Conditions: Sunny, 75F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	18	" W.C.
FI-701	Not functioning	CFM
VI-MS	28	" W.C.
VI-703	28	" W.C.
TI-701	102	ºF
PI-701	NM	" W.C.
PI-702	28	" W.C.
Hours	7005.4	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.018	-0.014	NM	-0.067	-0.083	NM	-0.010	-0.010	-0.068	-0.039	NM	-0.070

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

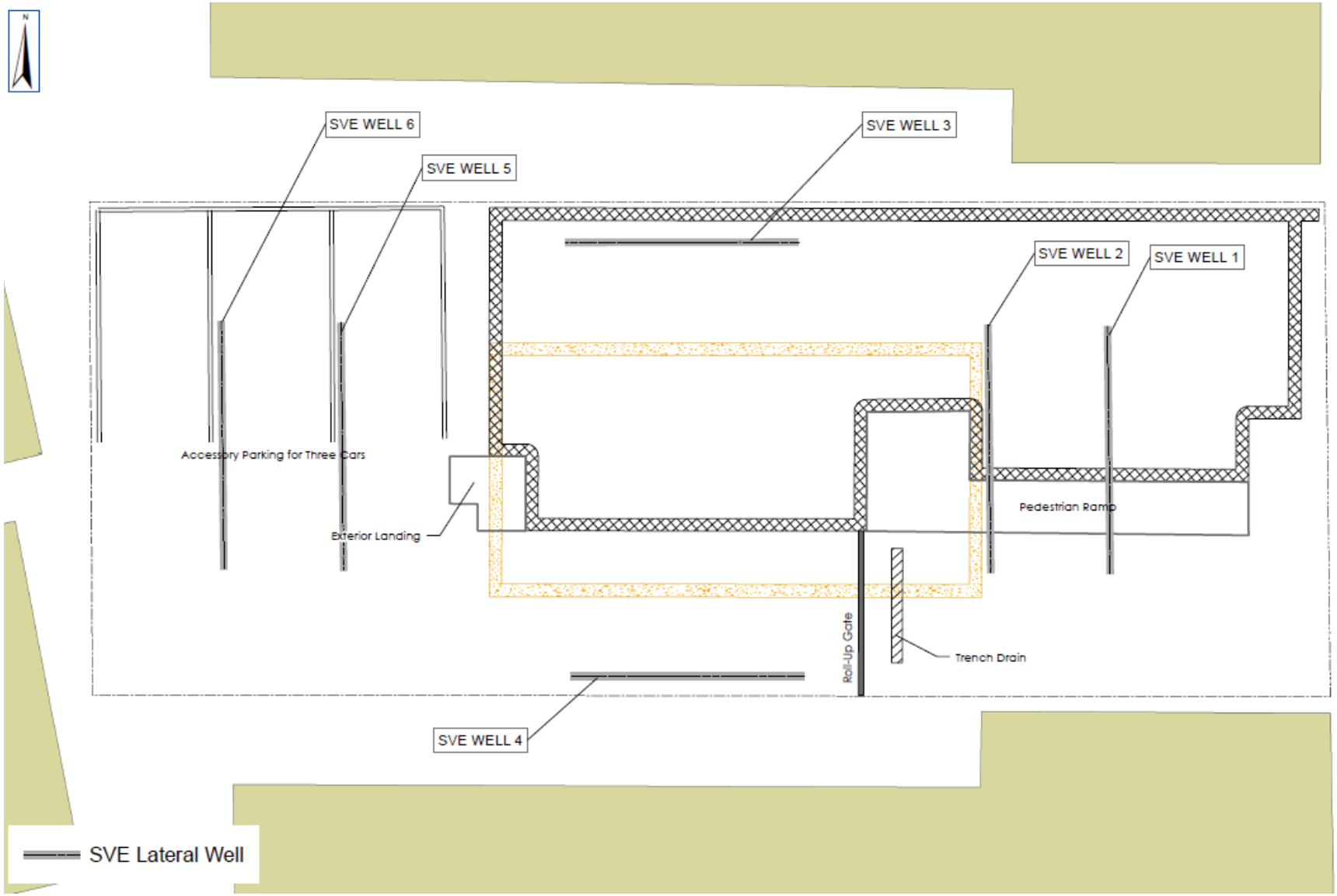
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

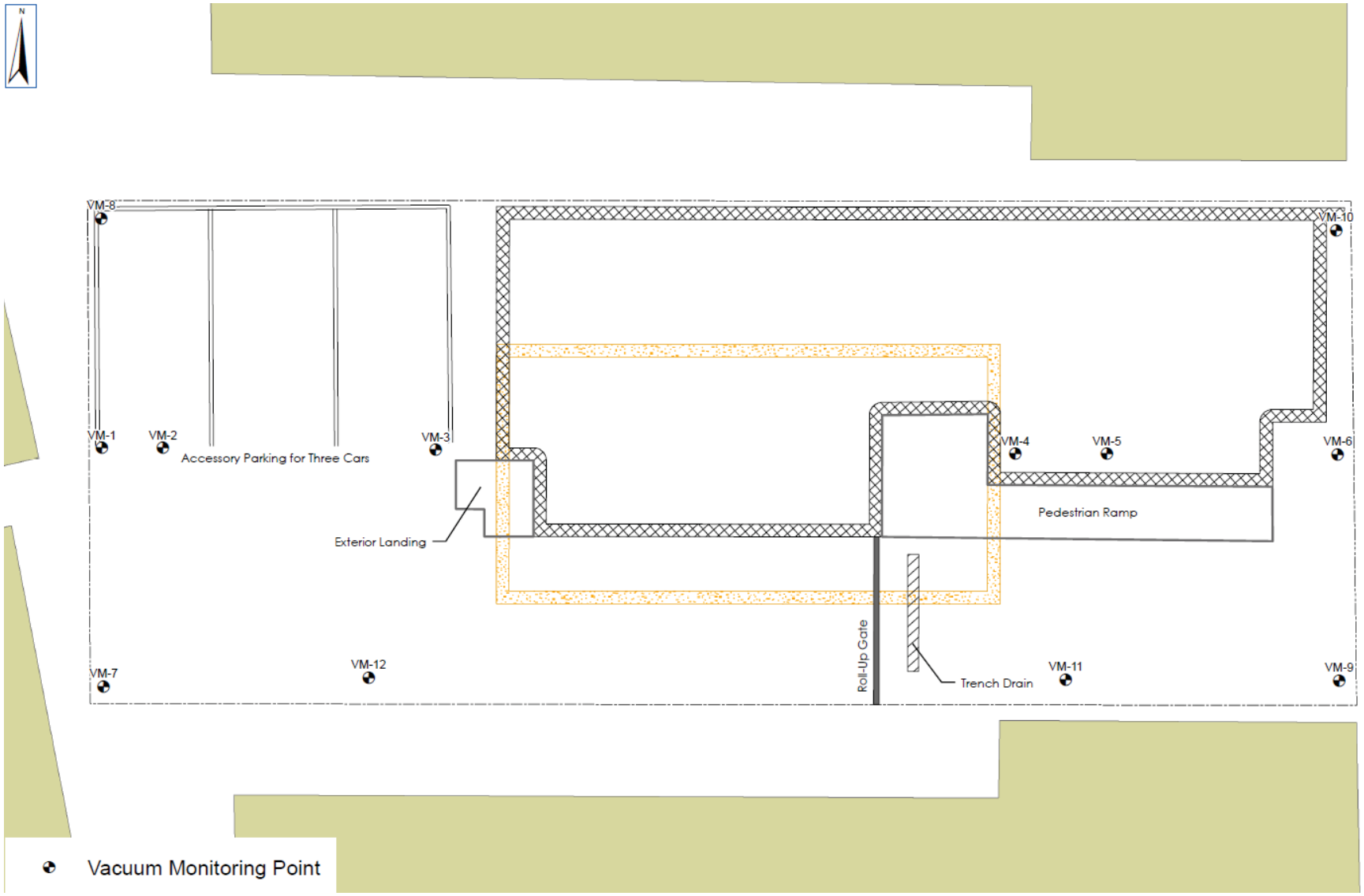


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

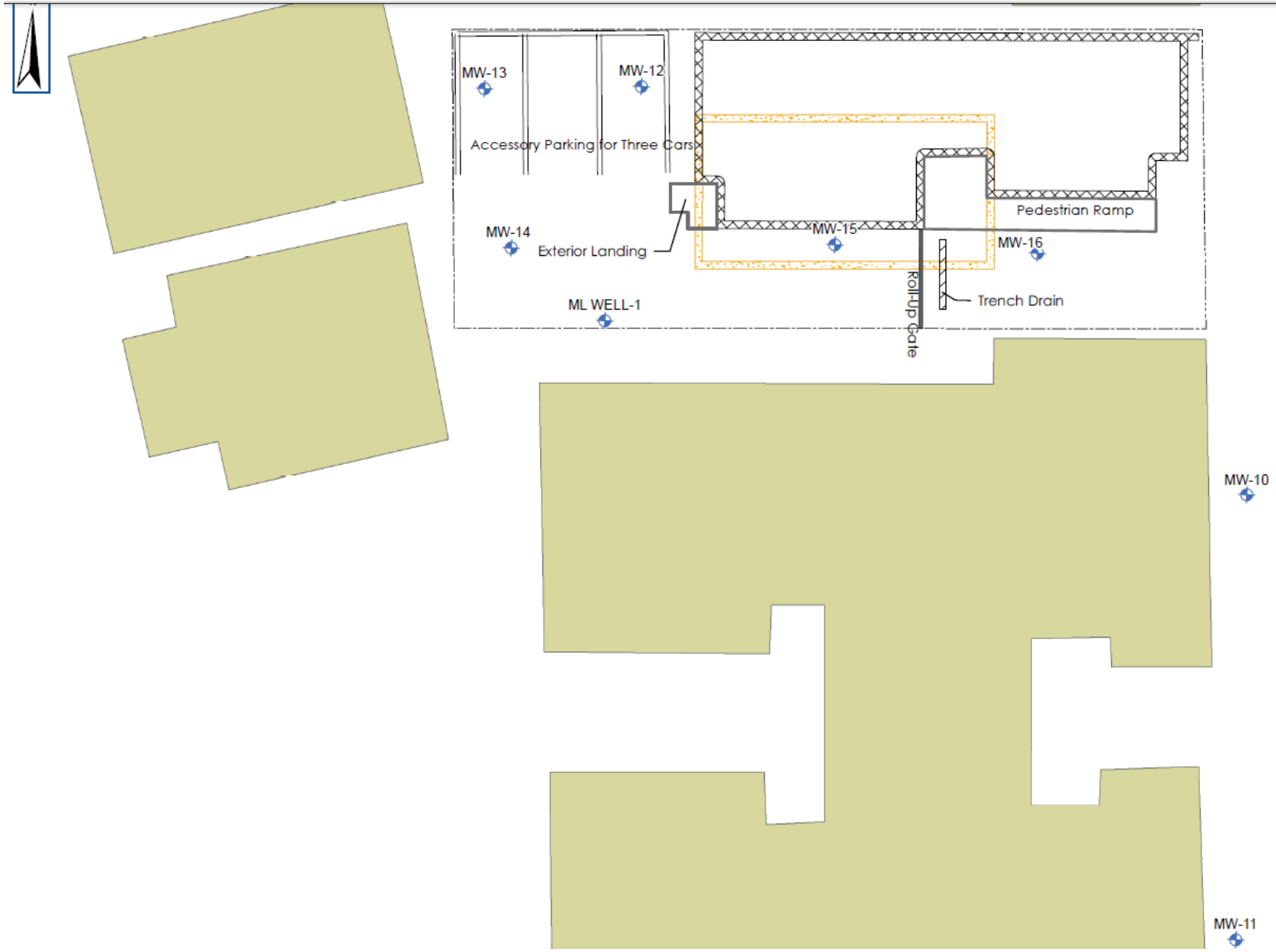


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Ryan Morley

Inspection Time: 9:00

Inspection Date: September 23, 2016

Weather Conditions: P. Cloudy, 75 Degs.

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	0	CFM
VI-MS	26	" W.C.
VI-703	28	" W.C.
TI-701	90	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	7,168.4	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	Sheen	9.22	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

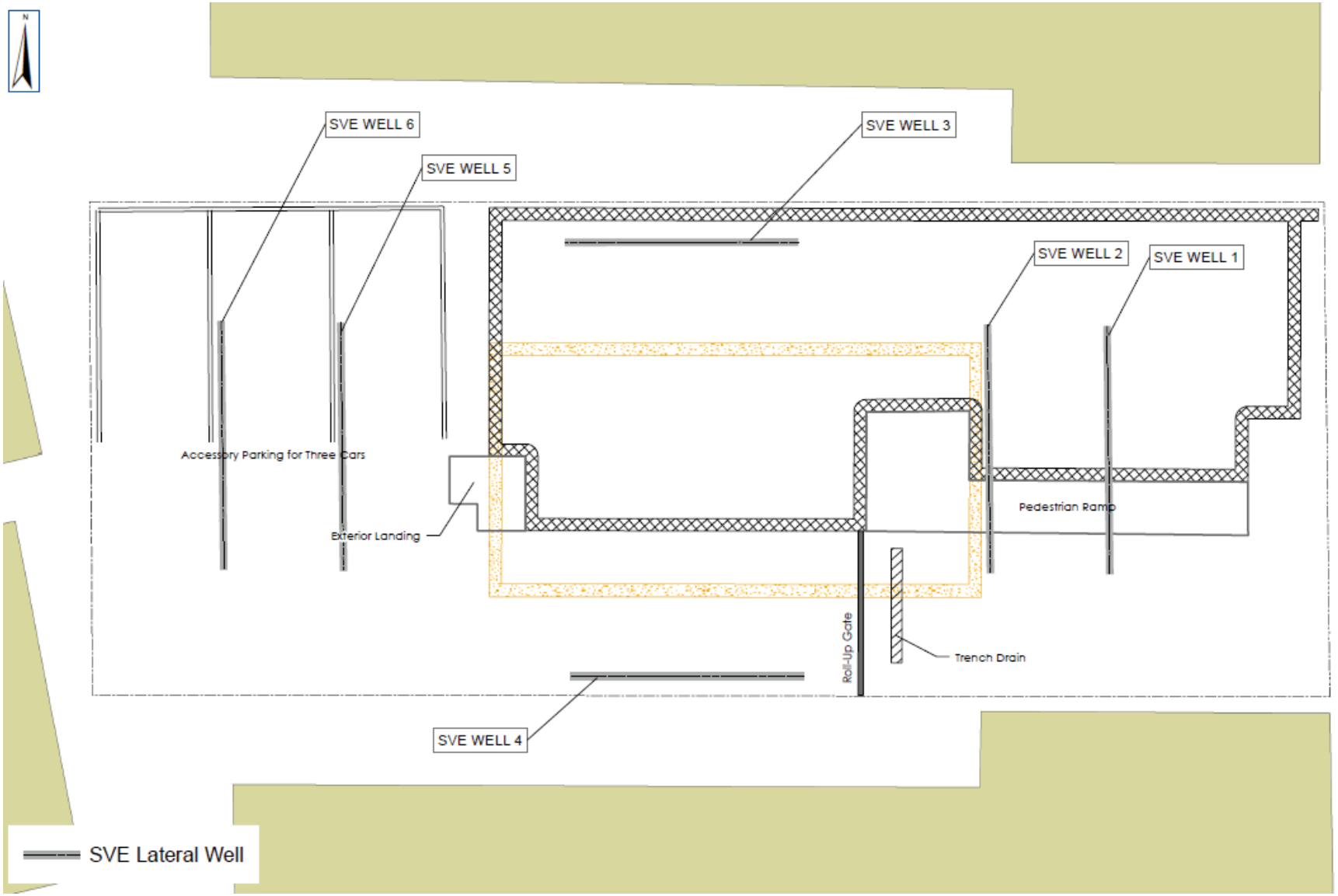
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

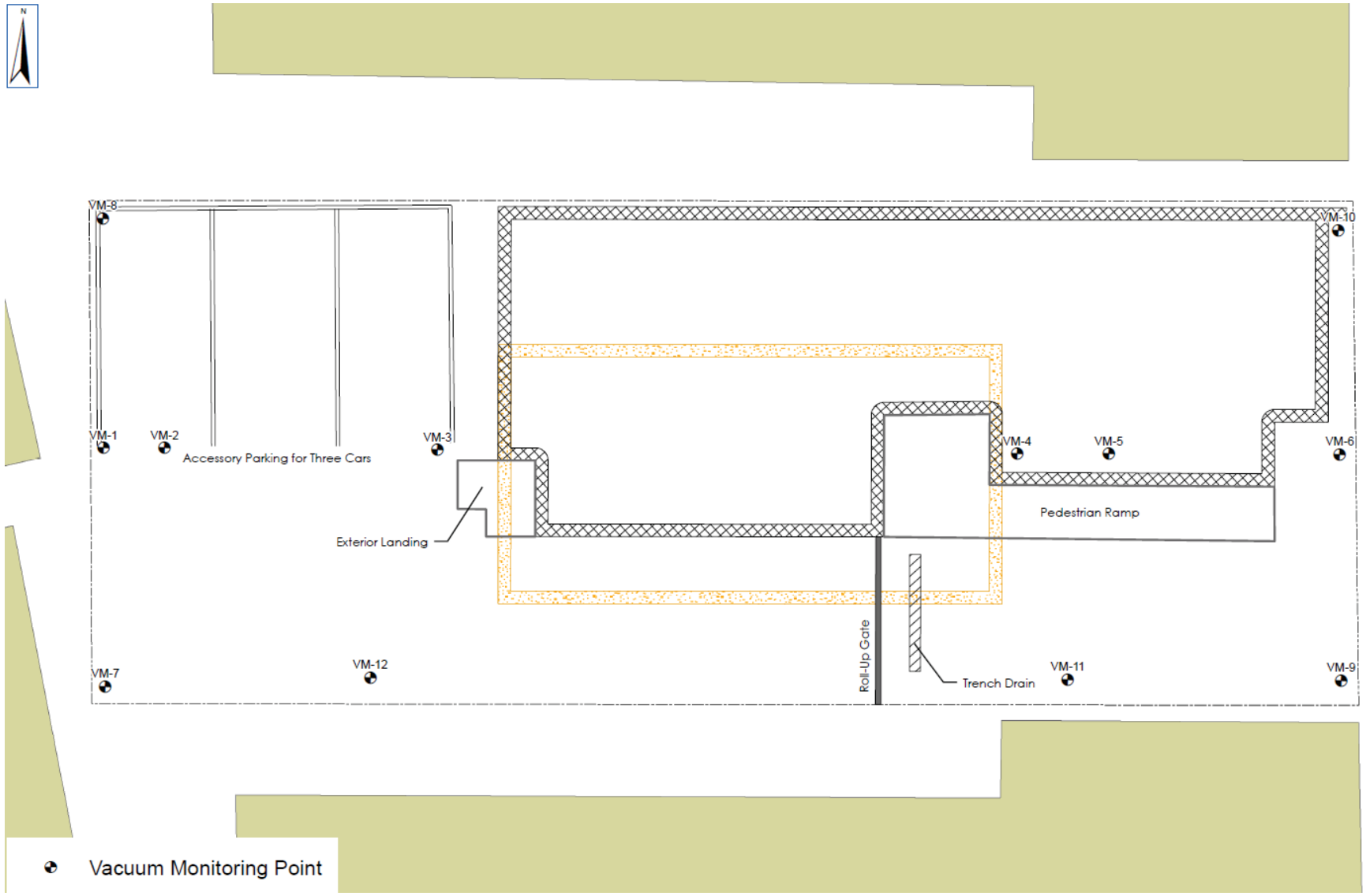


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

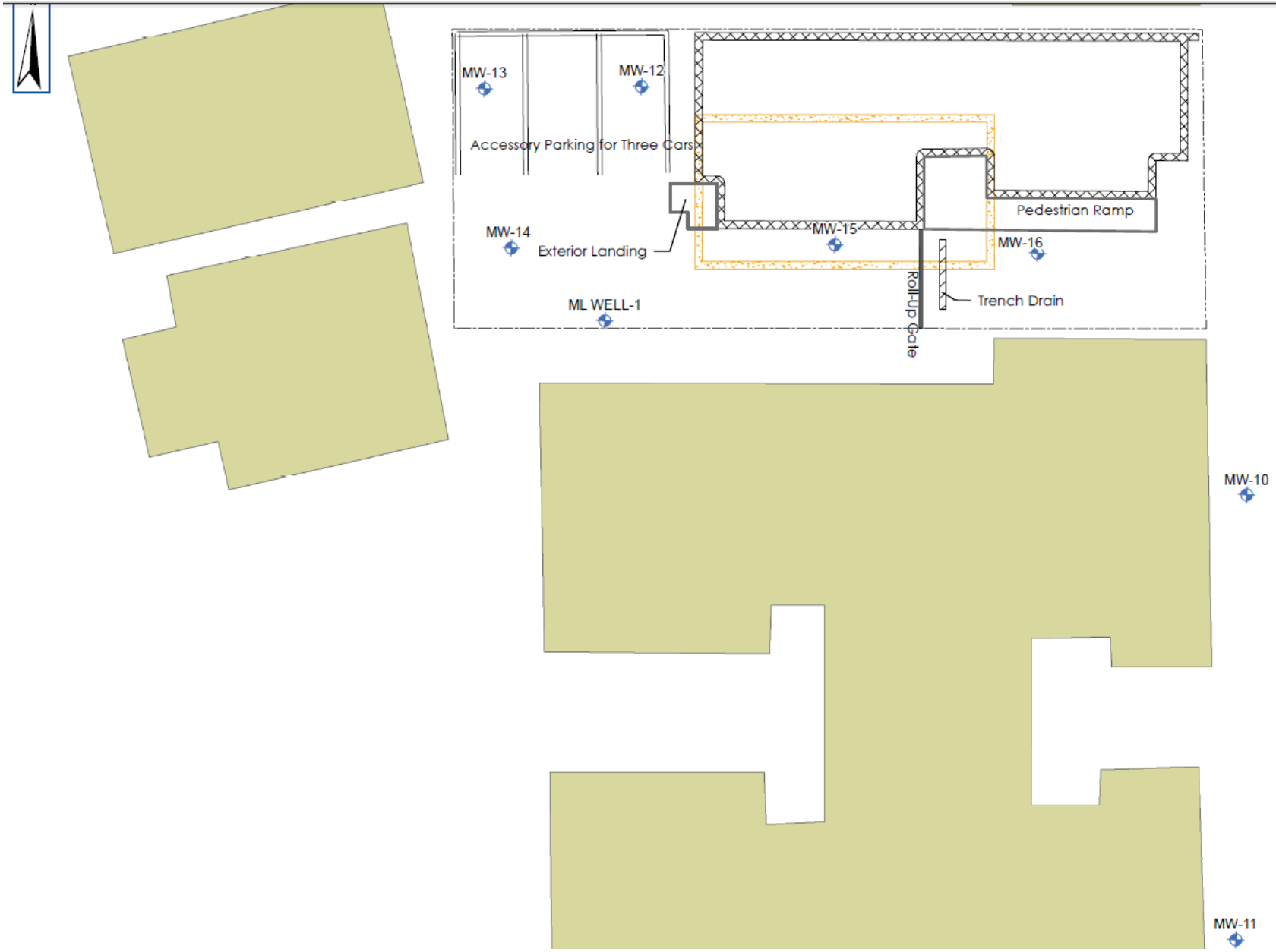


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 14:20

Inspection Date: 9/29/16

Weather Conditions: Sunny, 75F

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not functioning	CFM
VI-MS	26	" W.C.
VI-703	28	" W.C.
TI-701	92	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	7317.6	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	sheen	9.32	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.003	-0.003	-0.013	-0.060	-0.078	NM	-0.003	-0.012	-0.057	-0.036	NM	NM

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

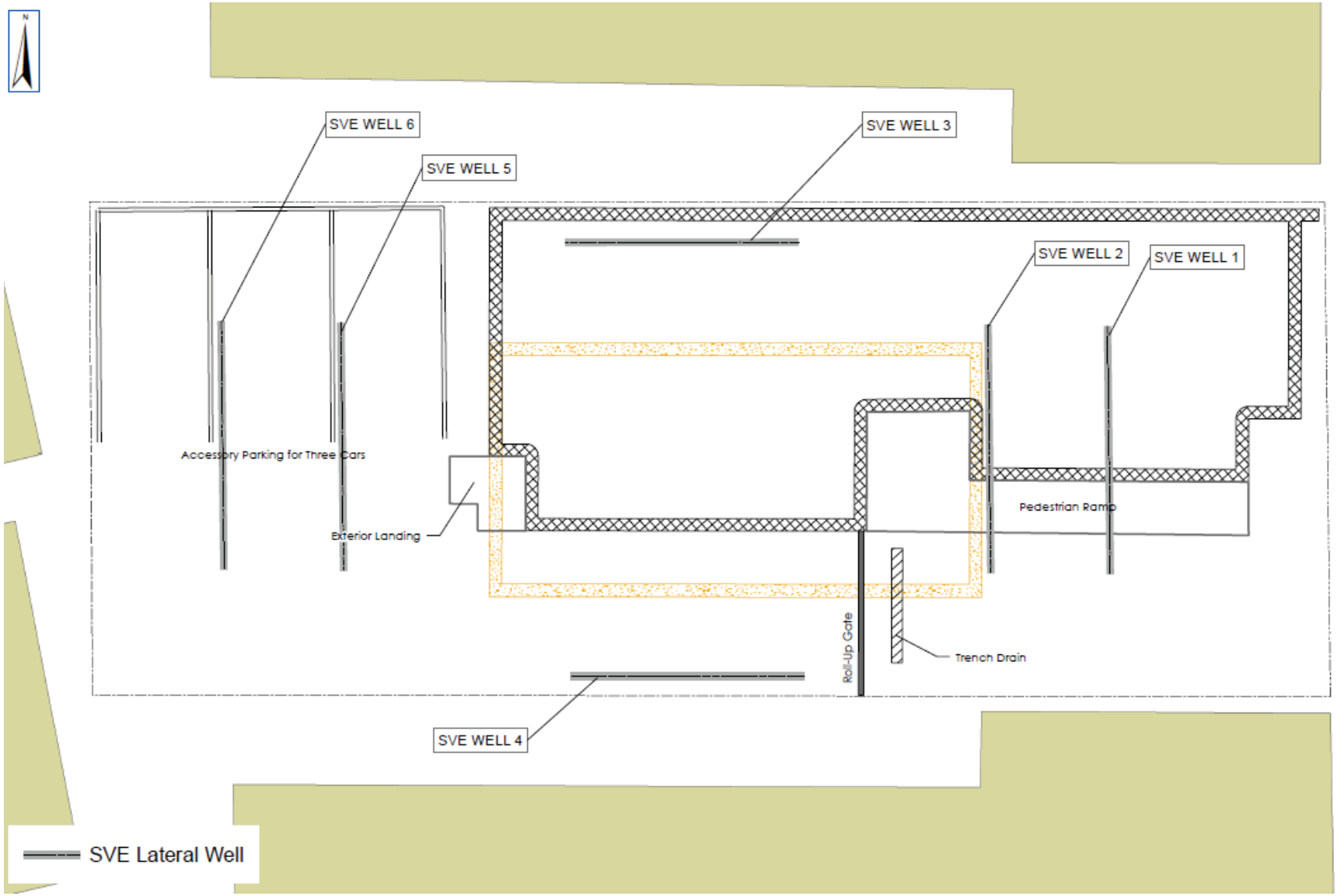
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

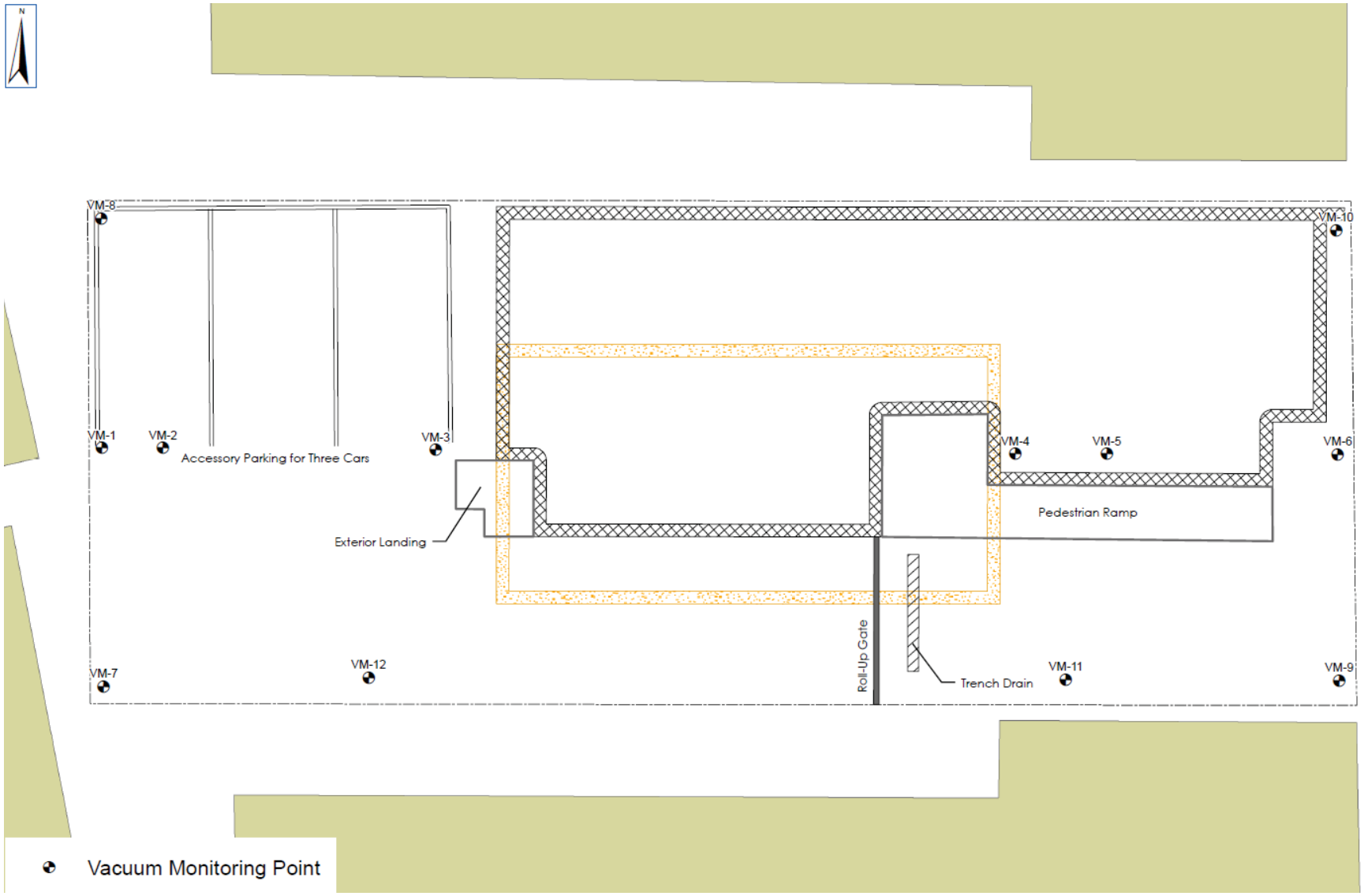


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

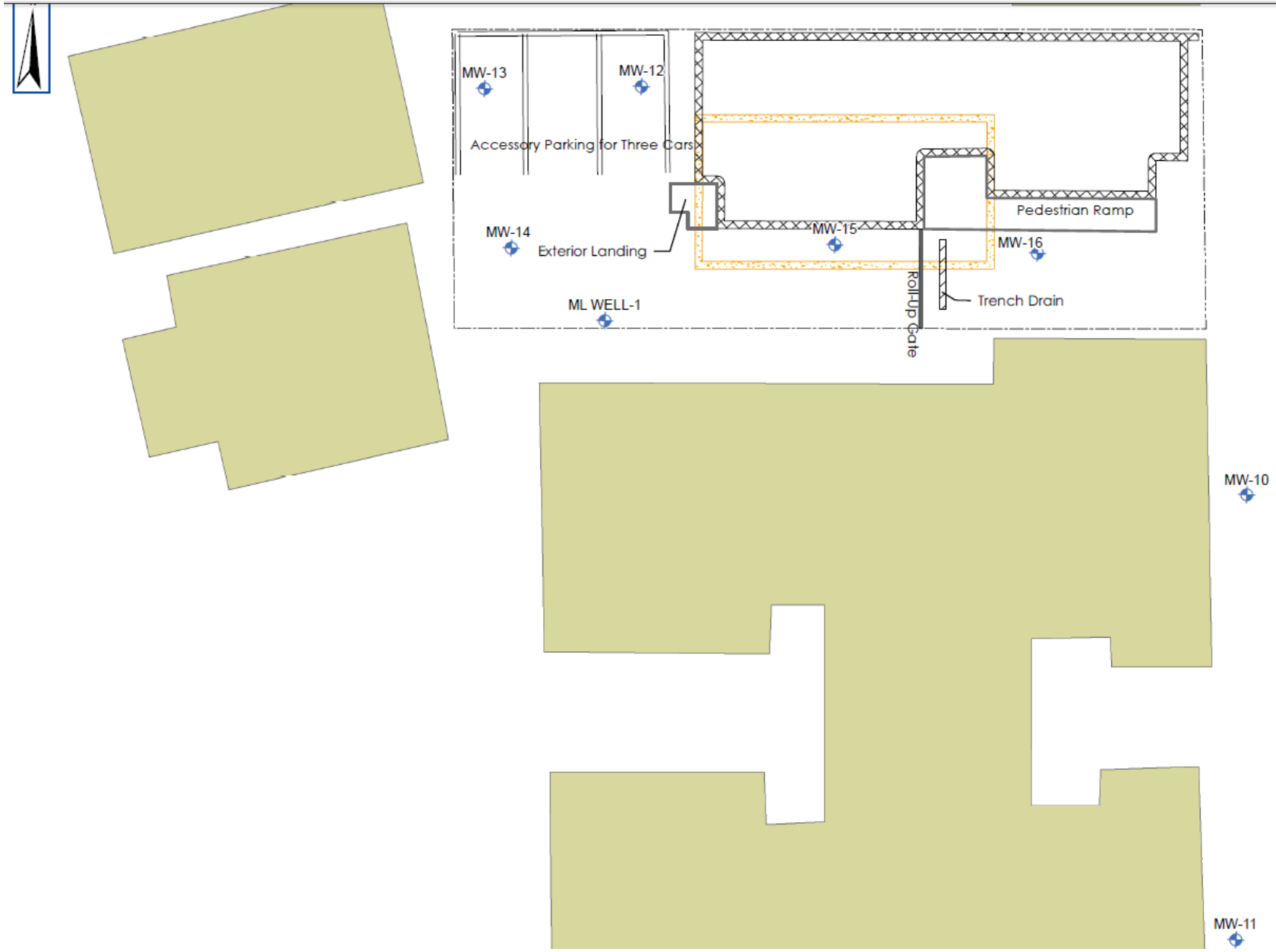


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 1100

Inspection Date: October 7/2016

Weather Conditions: 69°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	16	" W.C.
FI-701	Not Working	CFM
VI-MS	27	" W.C.
VI-703	31	" W.C.
TI-701	99	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	7506.3	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.36	9.37	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.009	-0.008	-0.006	-0.062	-0.067	NA	-0.010	-0.003	-0.087	-0.27	NA	NA

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

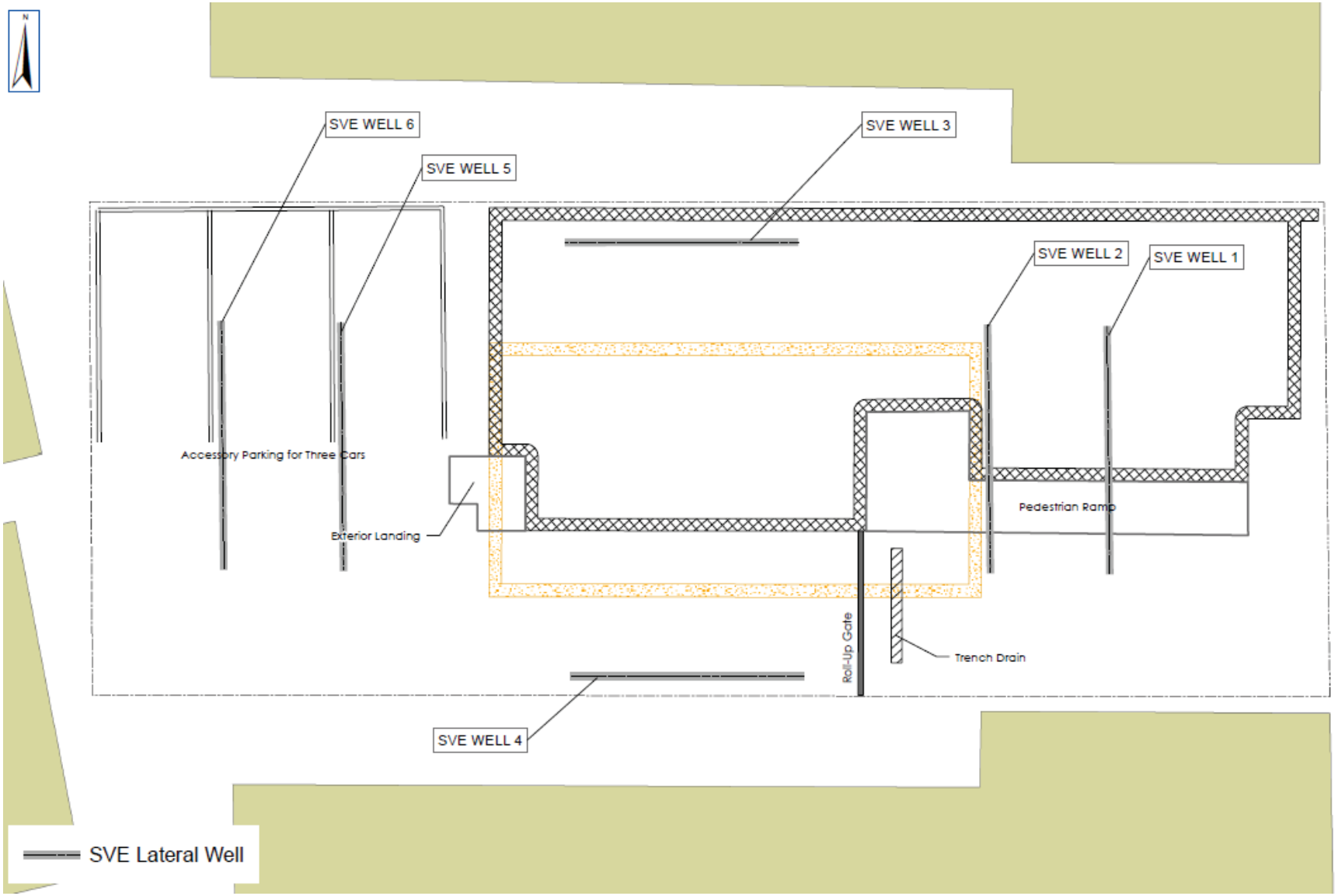
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

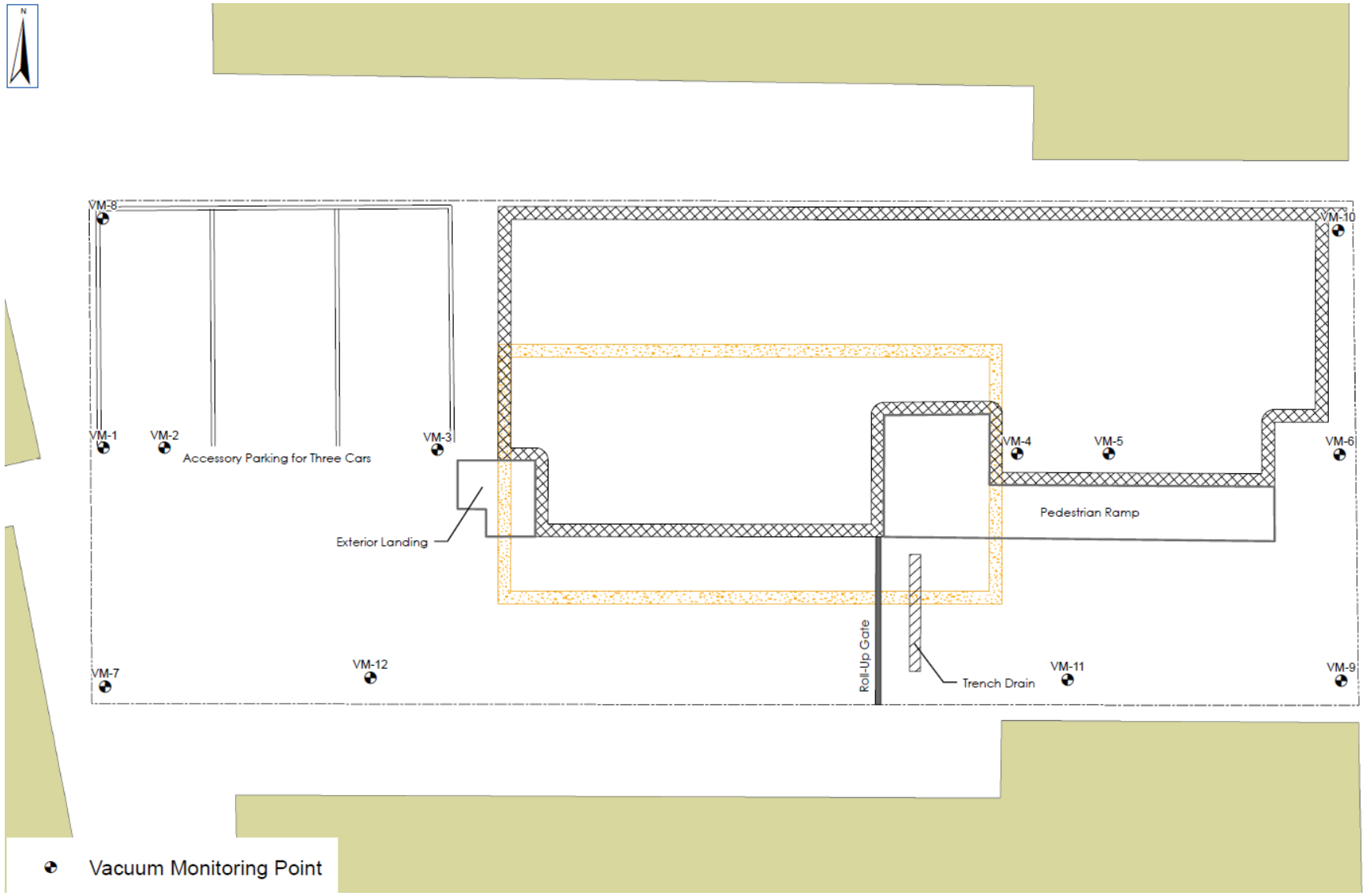


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

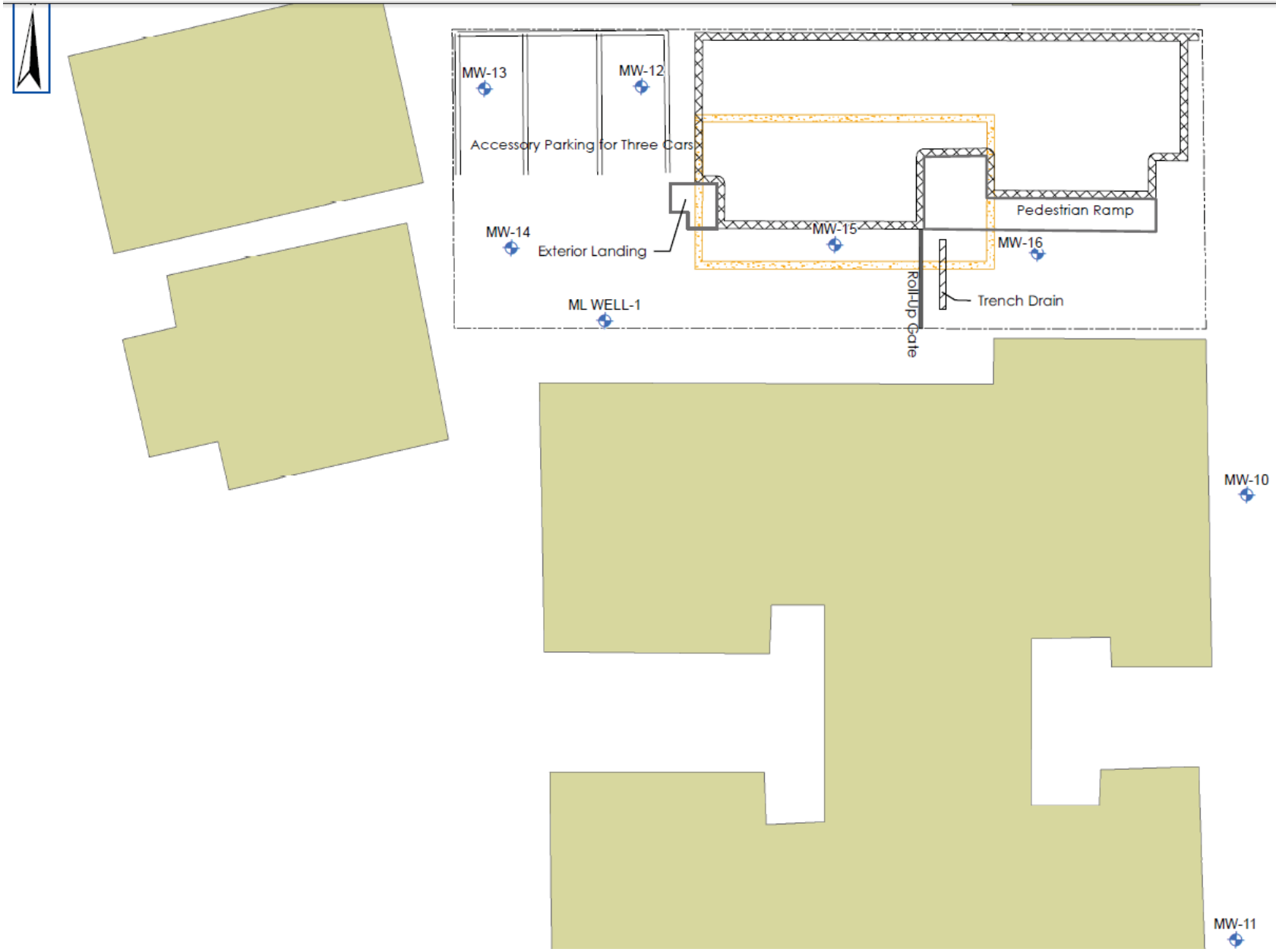


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 0945

Inspection Date: October 13, 2016

Weather Conditions: 70°F/Sunny

YES	NO	
☑	☐	Were any system alarms on upon arrival?
☐	☑	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	18	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	32	" W.C.
TI-701	78	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	7,634.8	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.34	9.35	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.010	-0.012	-0.024	-0.056	-0.088	NA	-0.004	-0.002	-0.063	-0.029	NA	NA

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

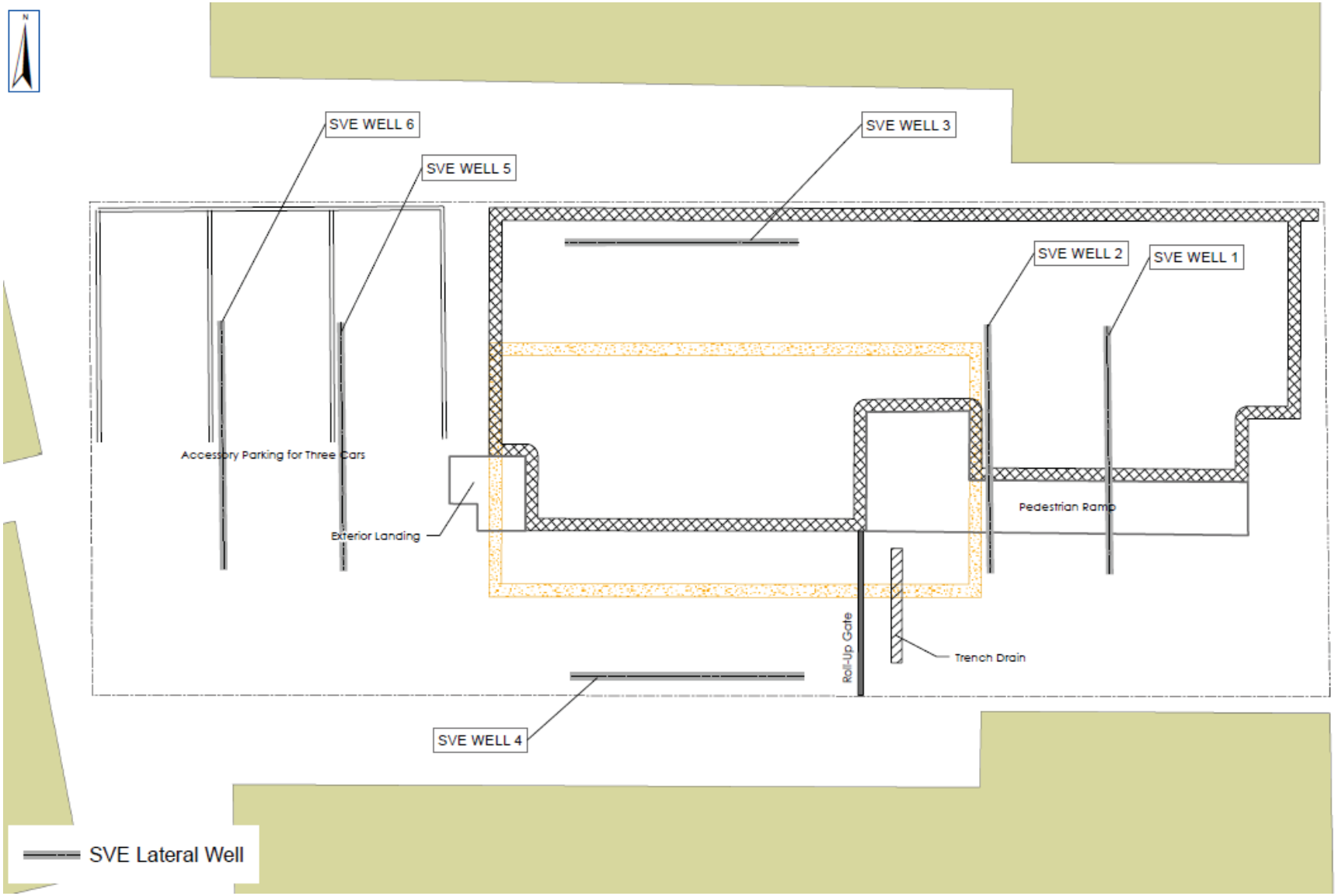
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

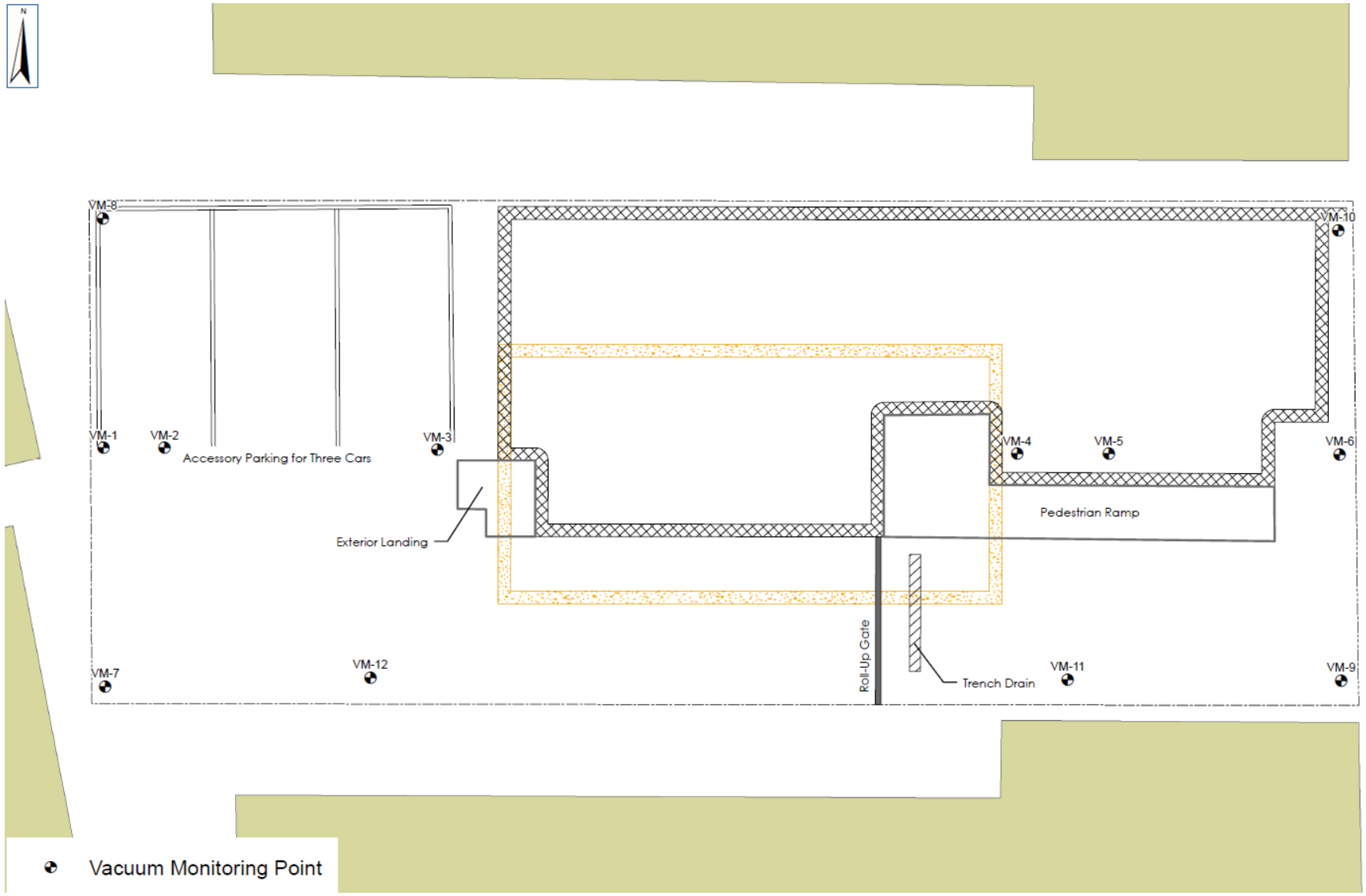


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

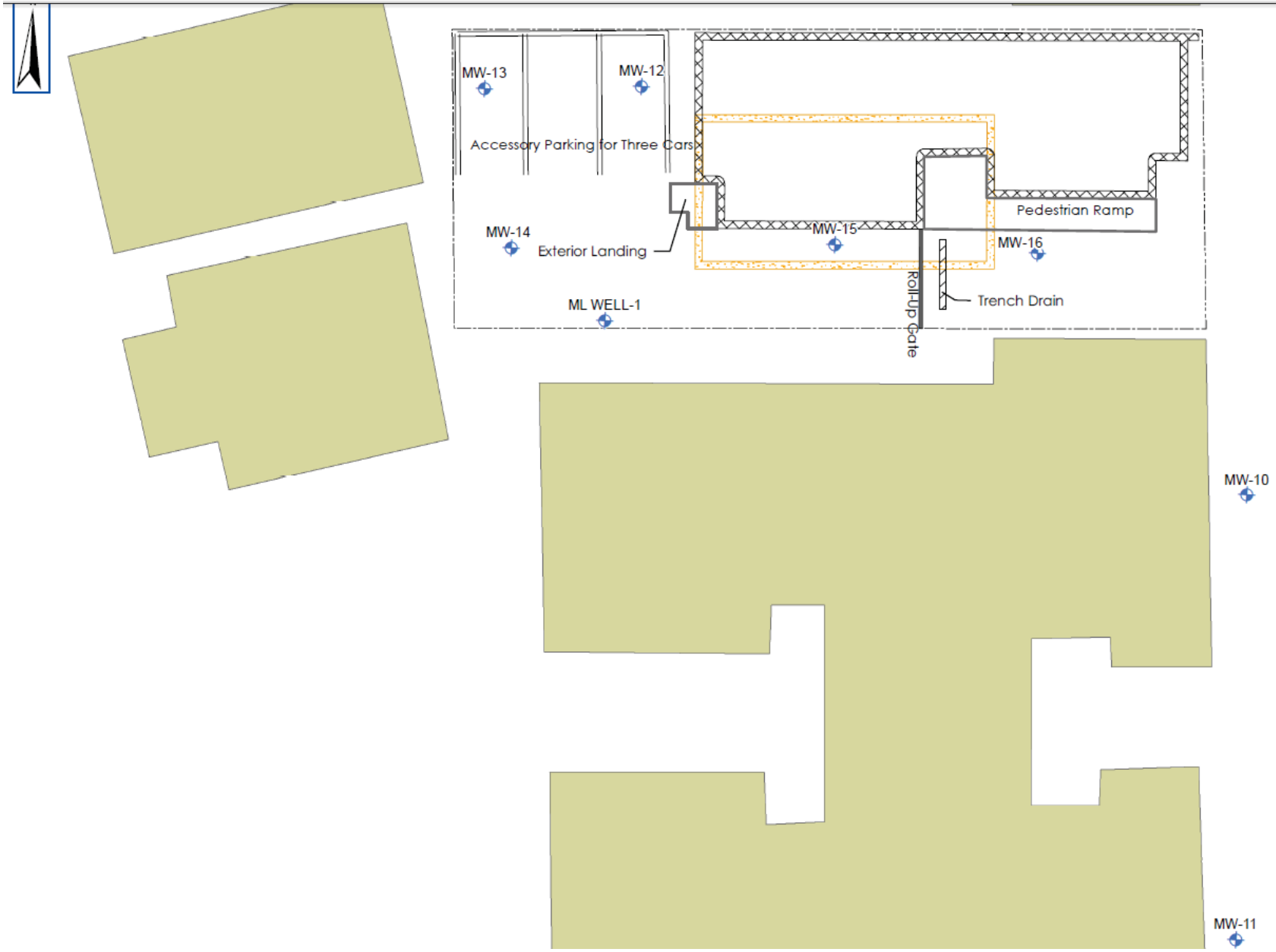


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 1330

Inspection Date: October 21, 2016

Weather Conditions: 70°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☐	☑	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	18	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	30	" W.C.
TI-701	76	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	7,752.0	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	sheen	8.83	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.017	-0.019	-0.018	-0.056	-0.074	NA	-0.010	-0.015	-0.055	-0.025	NA	NA

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: System offline for 1/2 hour due to electrical work.

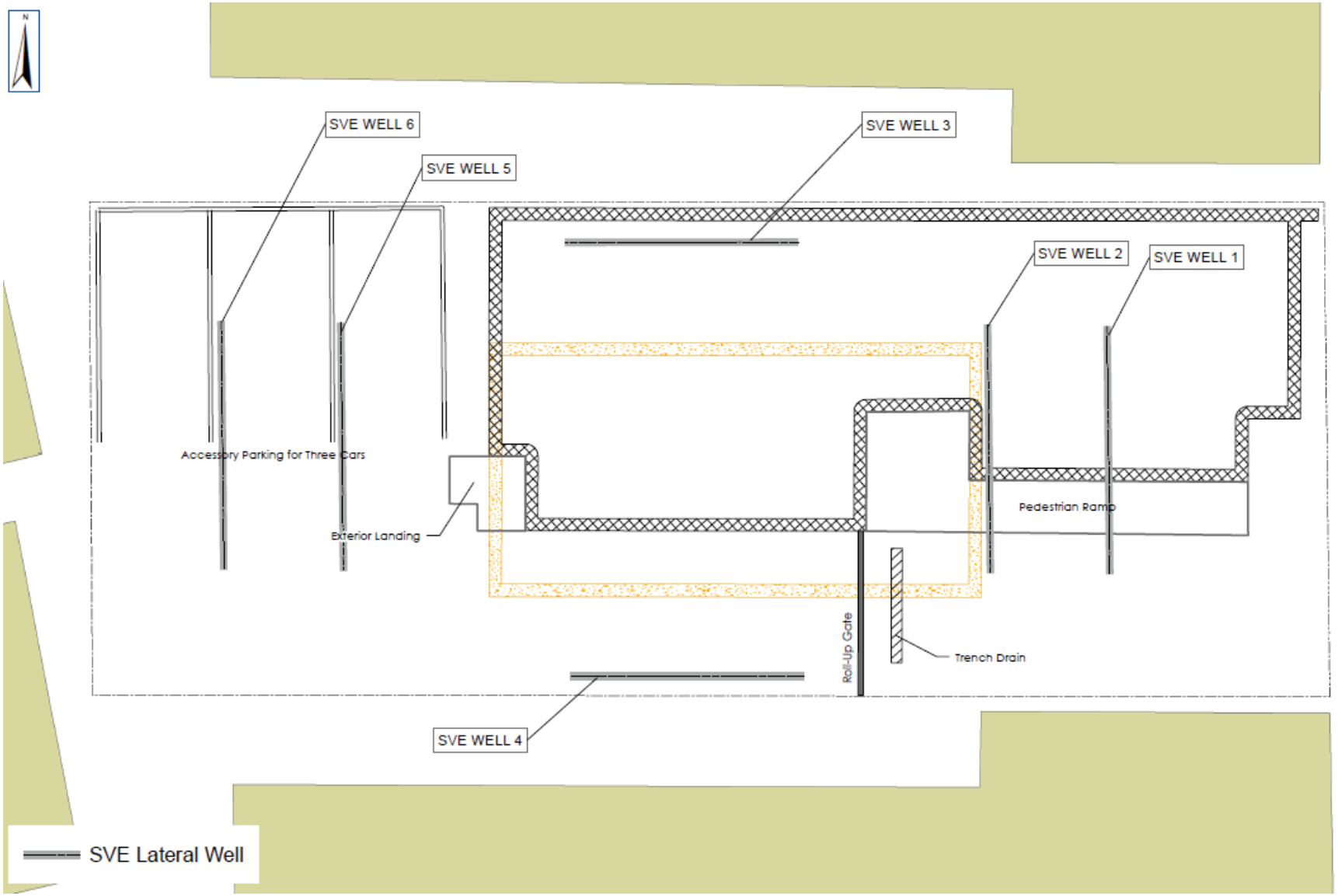
Items to be Addressed / Fixed:

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

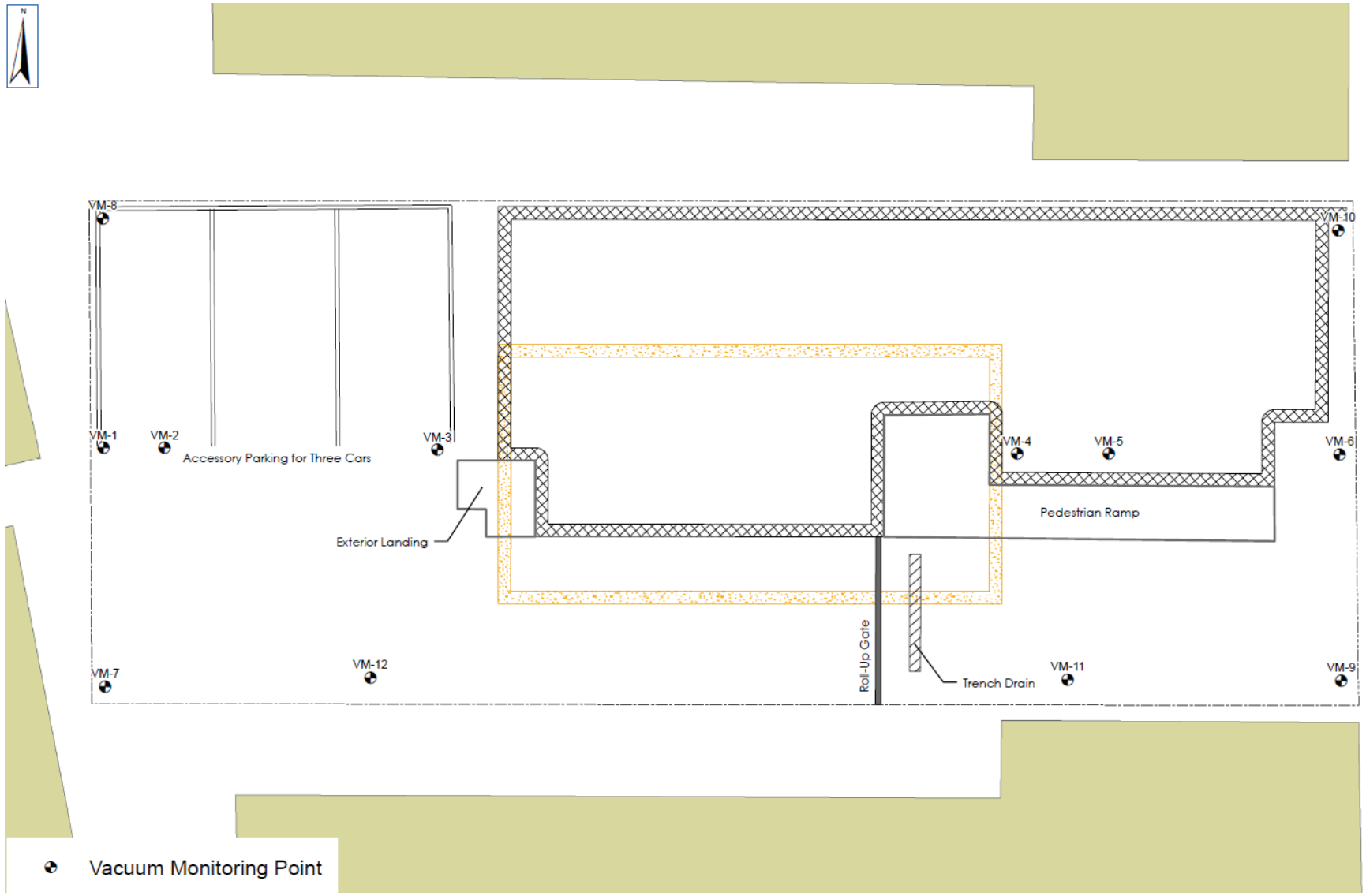


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

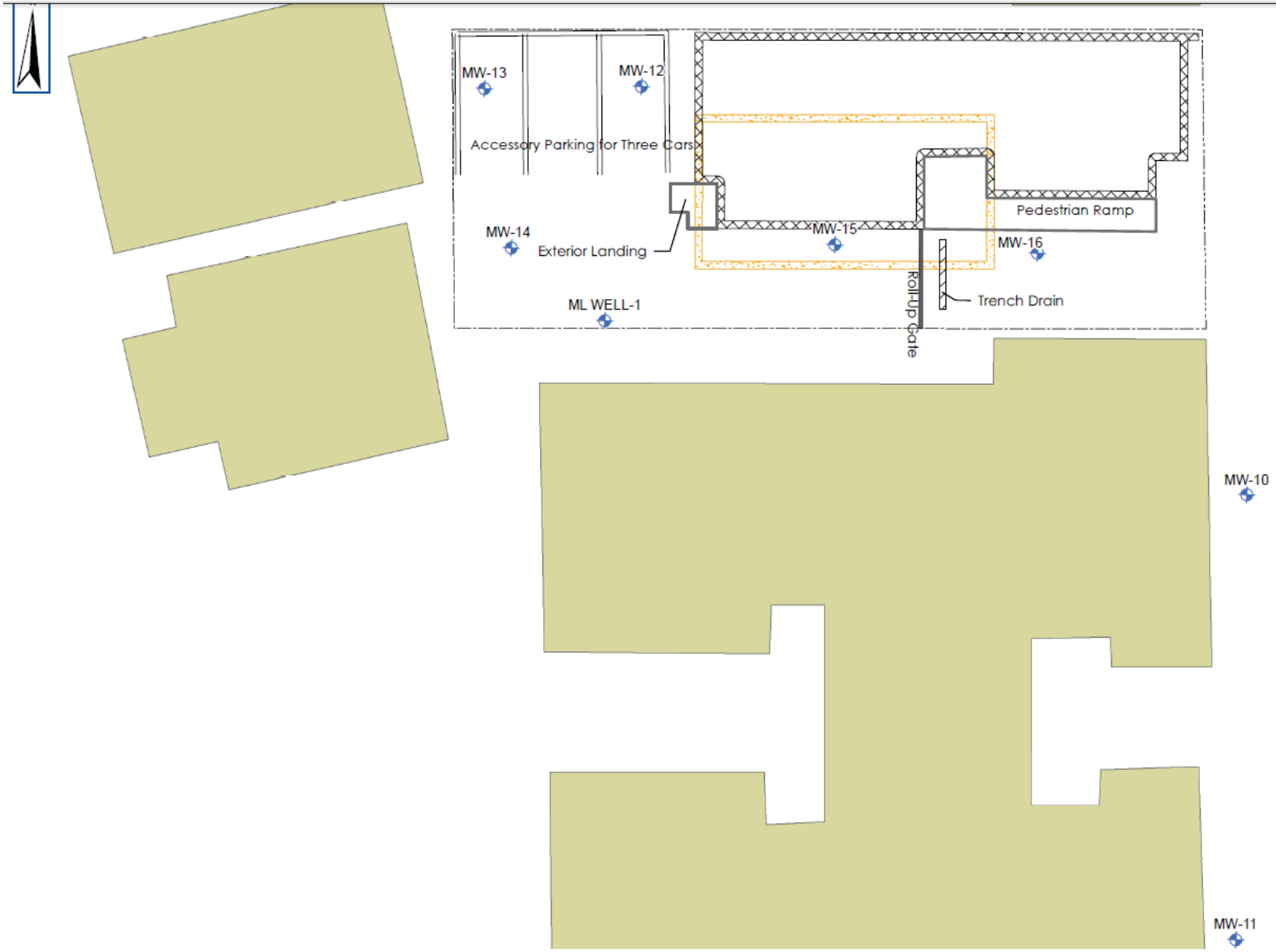


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 1007

Inspection Date: October 28, 2016

Weather Conditions: 60°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	32	" W.C.
TI-701	80	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	7,915.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.43		9.64
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

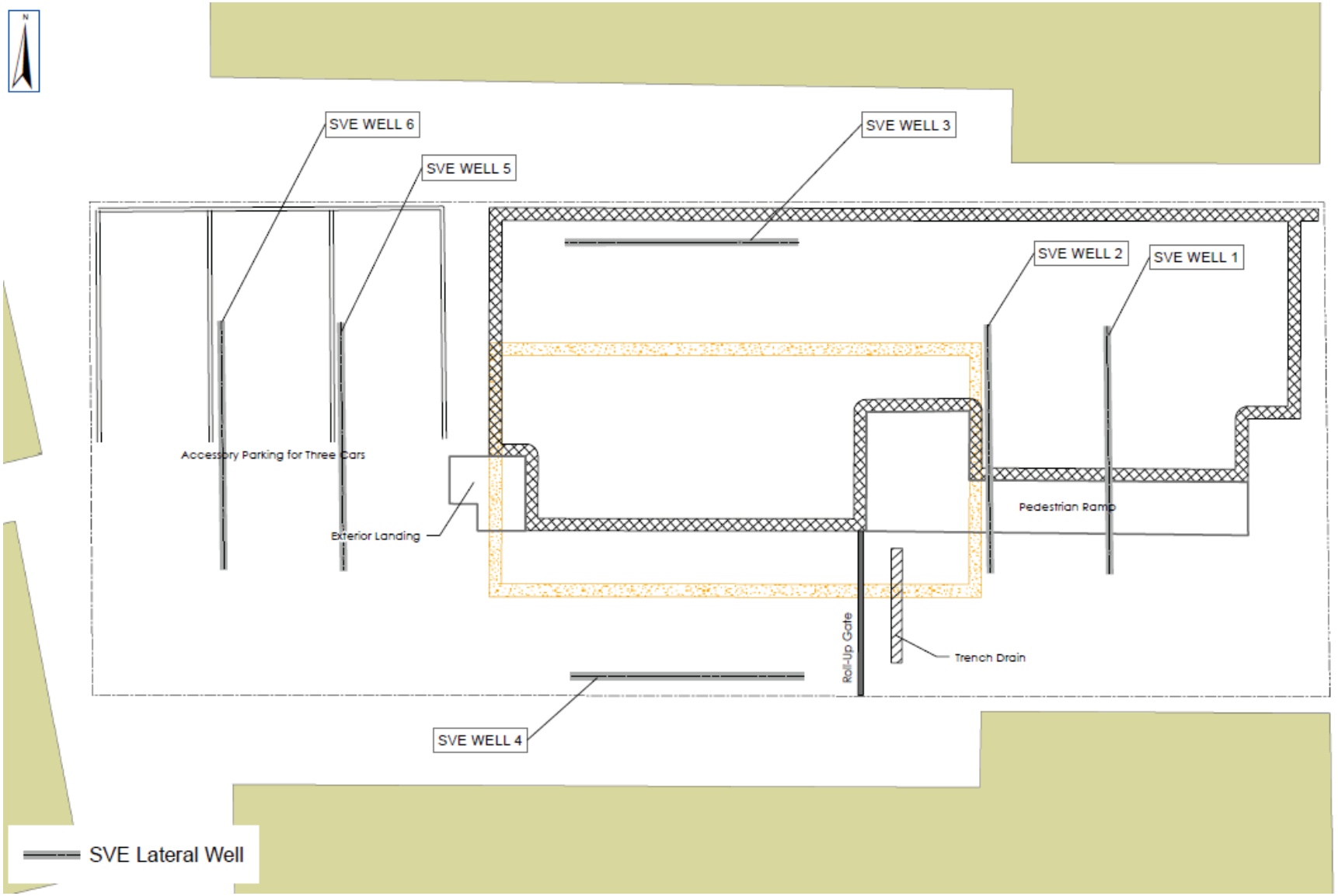
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

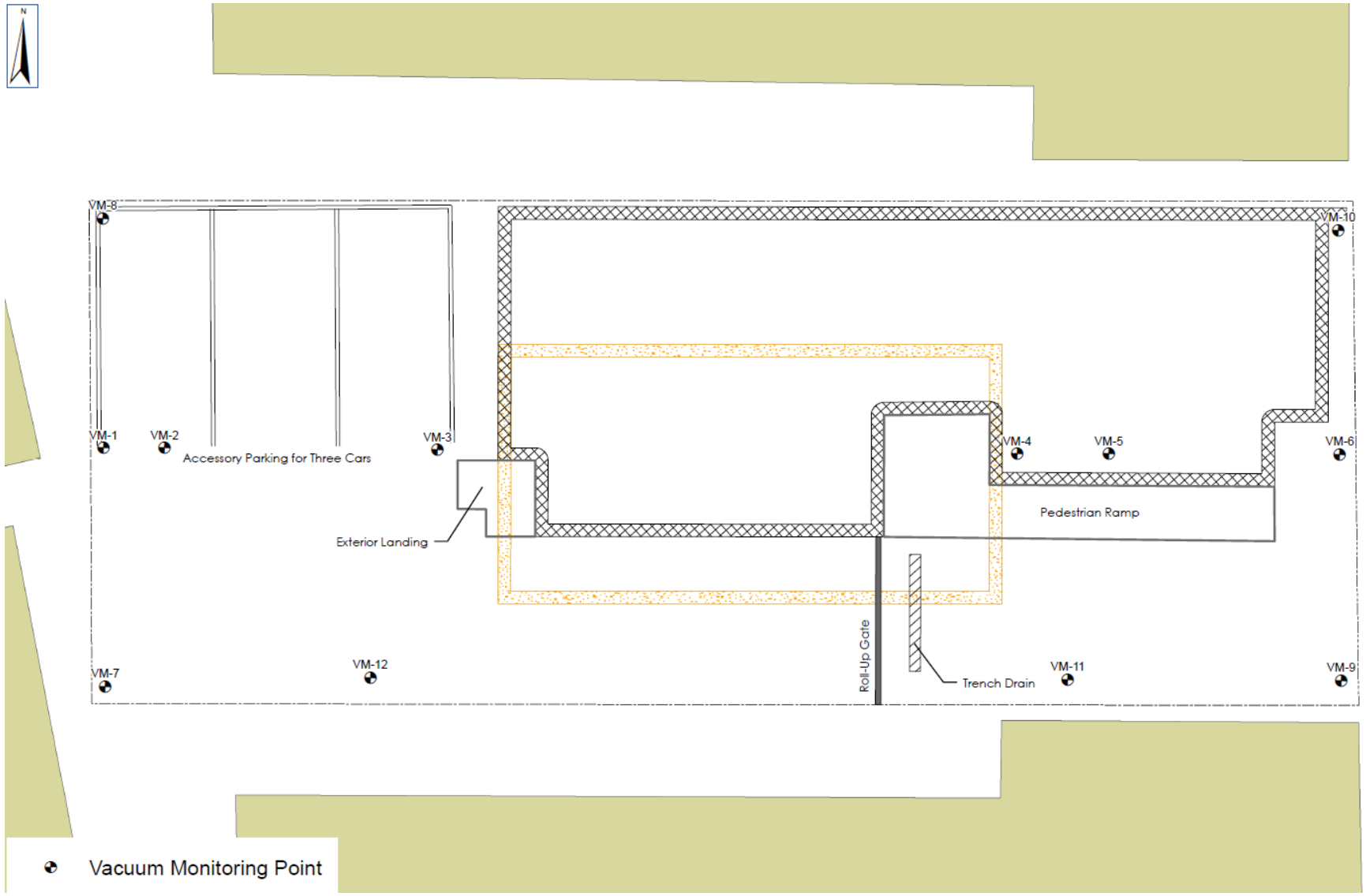


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

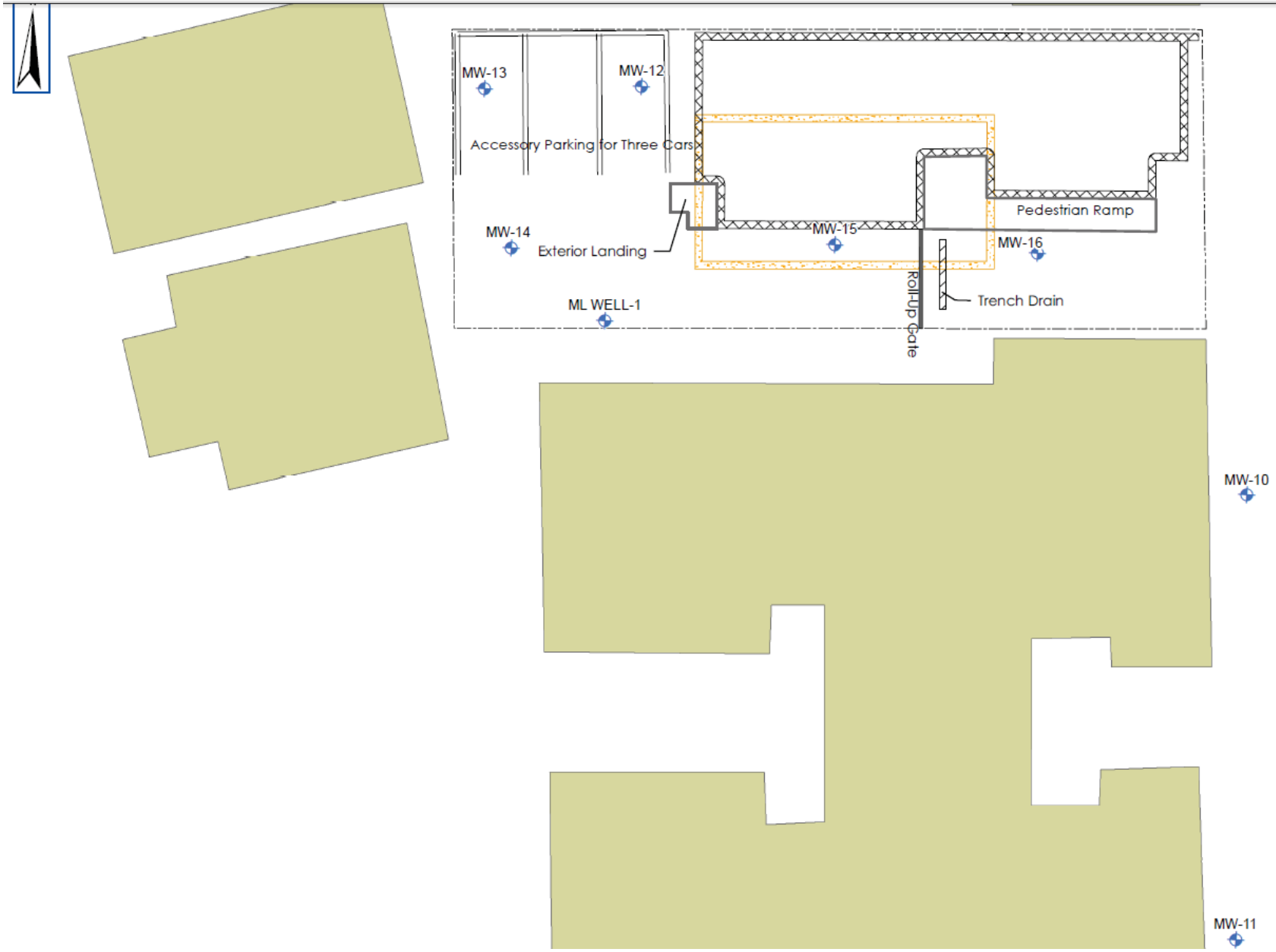


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 1340

Inspection Date: November 4, 2016

Weather Conditions: 60°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	18	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	30	" W.C.
TI-701	90	ºF
PI-701	21	" W.C.
PI-702	0	" W.C.
Hours	8,088.2	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	sheen	9.39	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

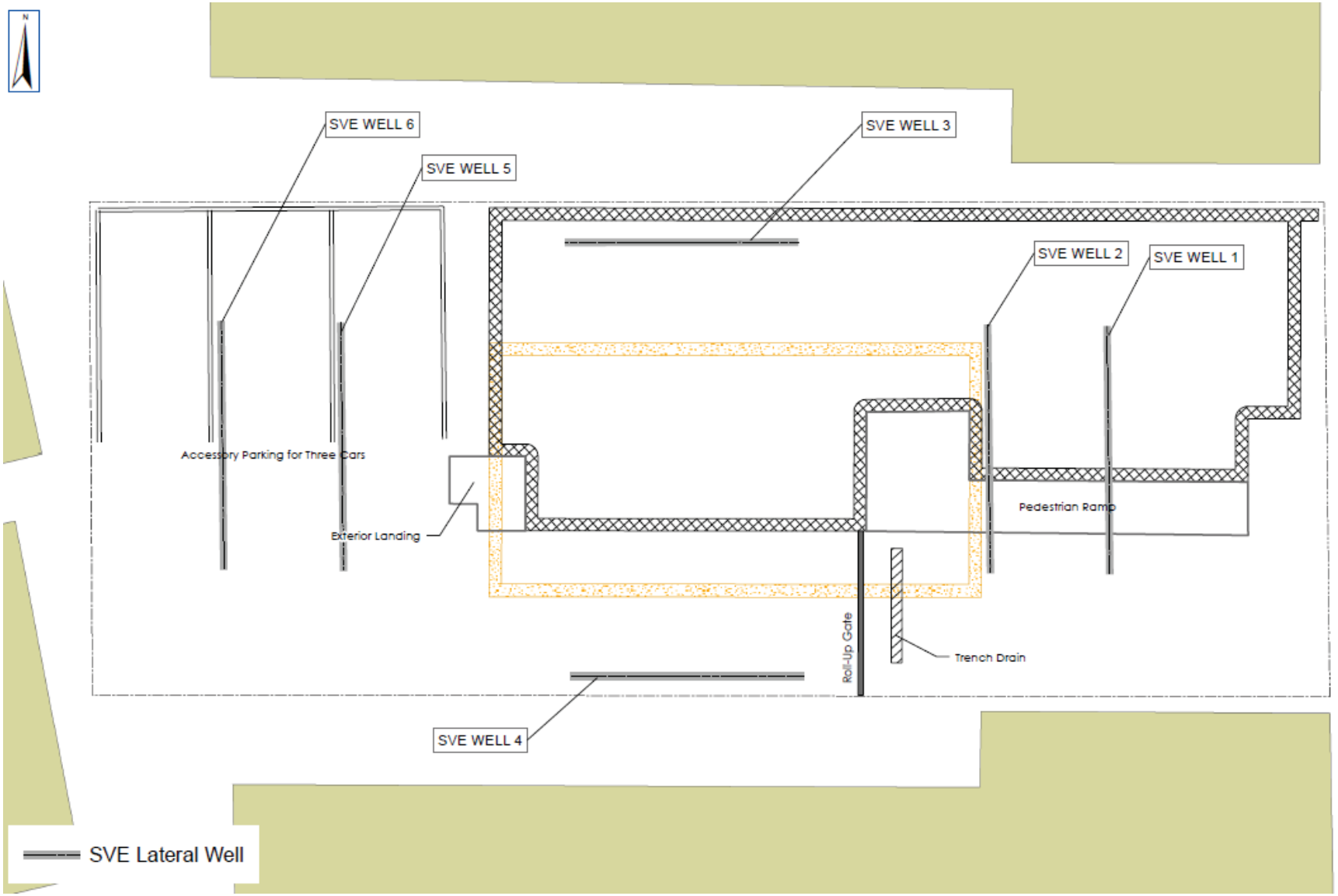
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

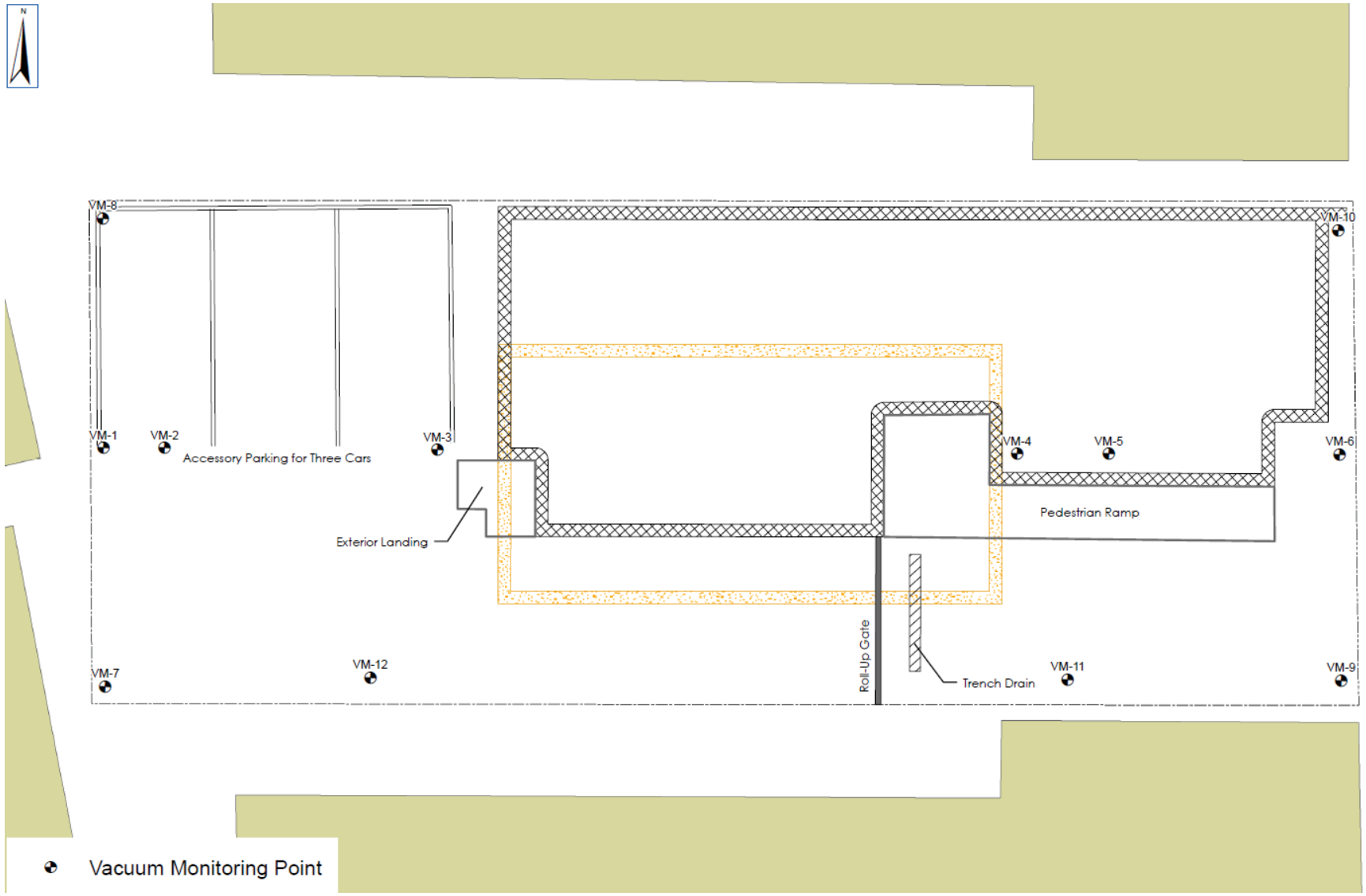


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

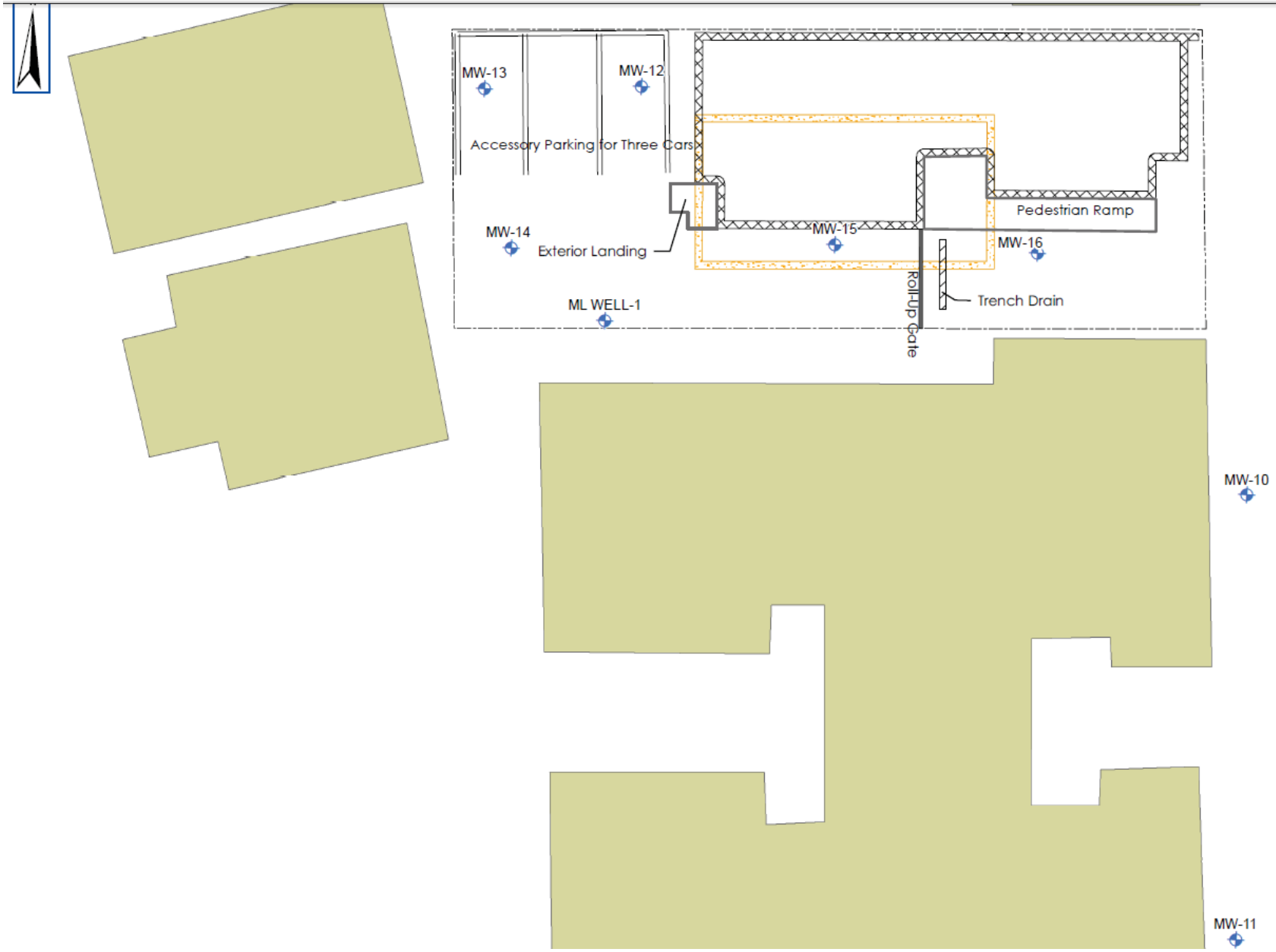


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 0945

Inspection Date: November 11, 2016

Weather Conditions: 55°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Working	CFM
VI-MS	27	" W.C.
VI-703	32	" W.C.
TI-701	90	ºF
PI-701	23	" W.C.
PI-702	0	" W.C.
Hours	8,253.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.30	9.62	9.63
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)												

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

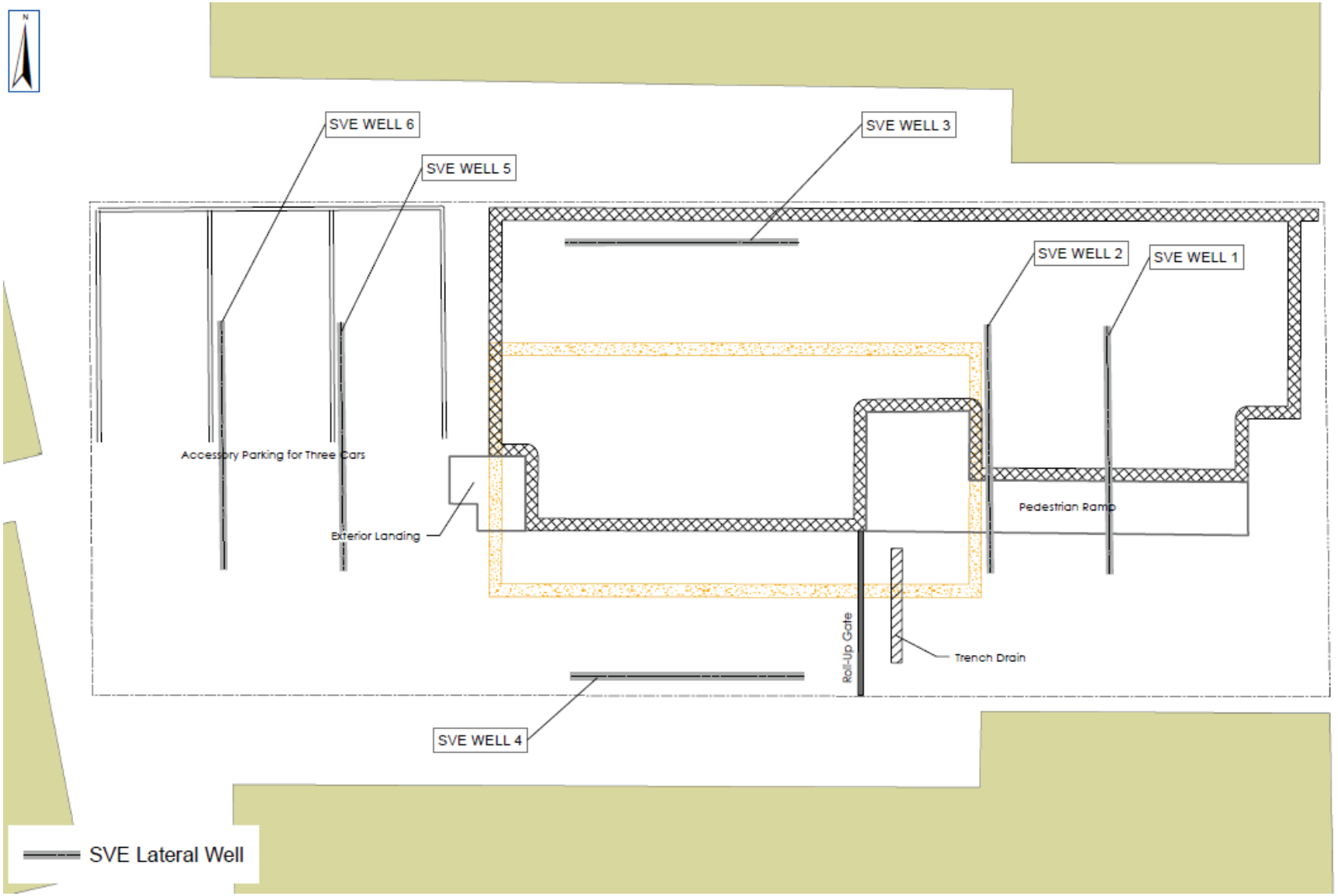
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

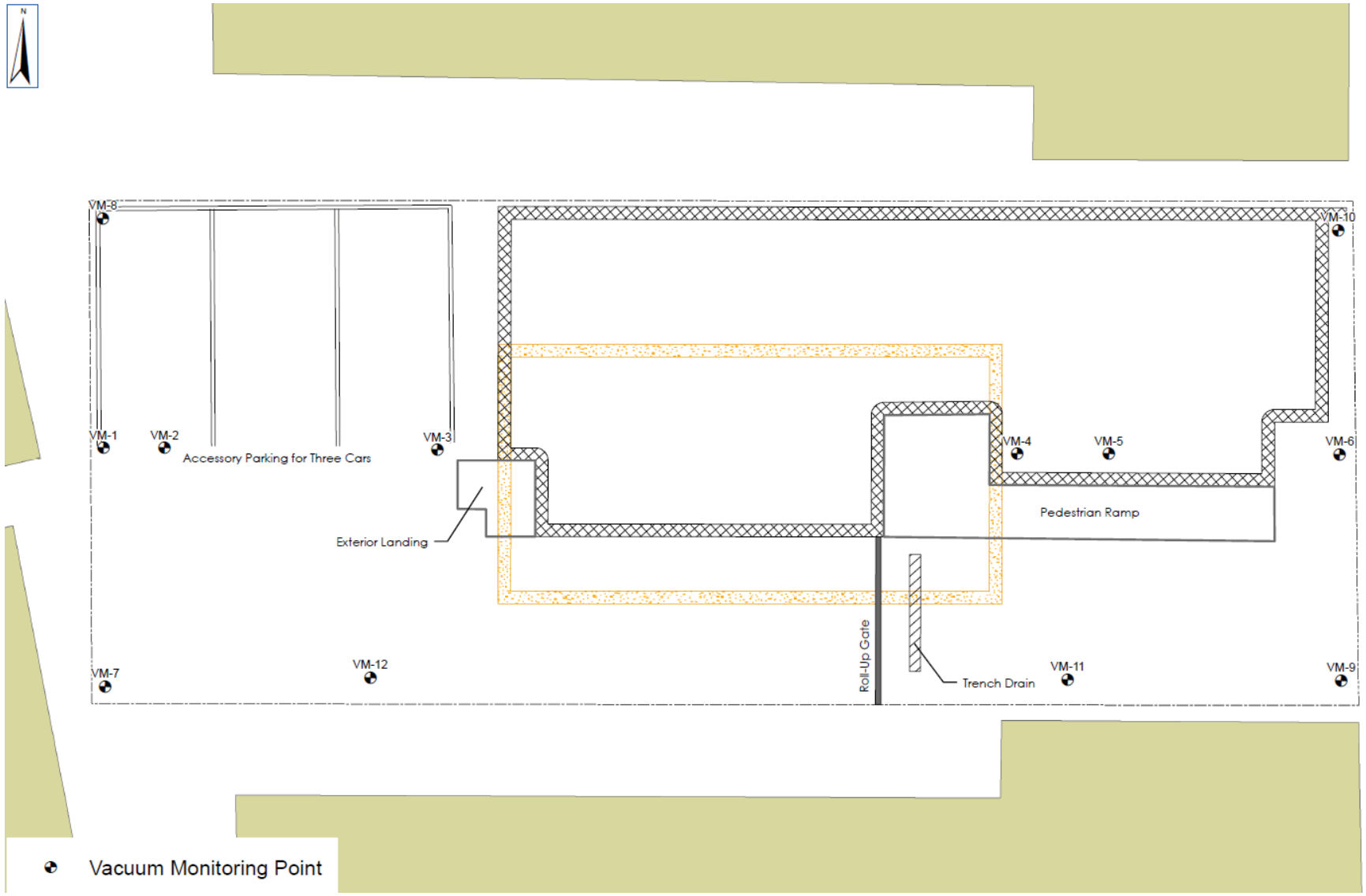


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

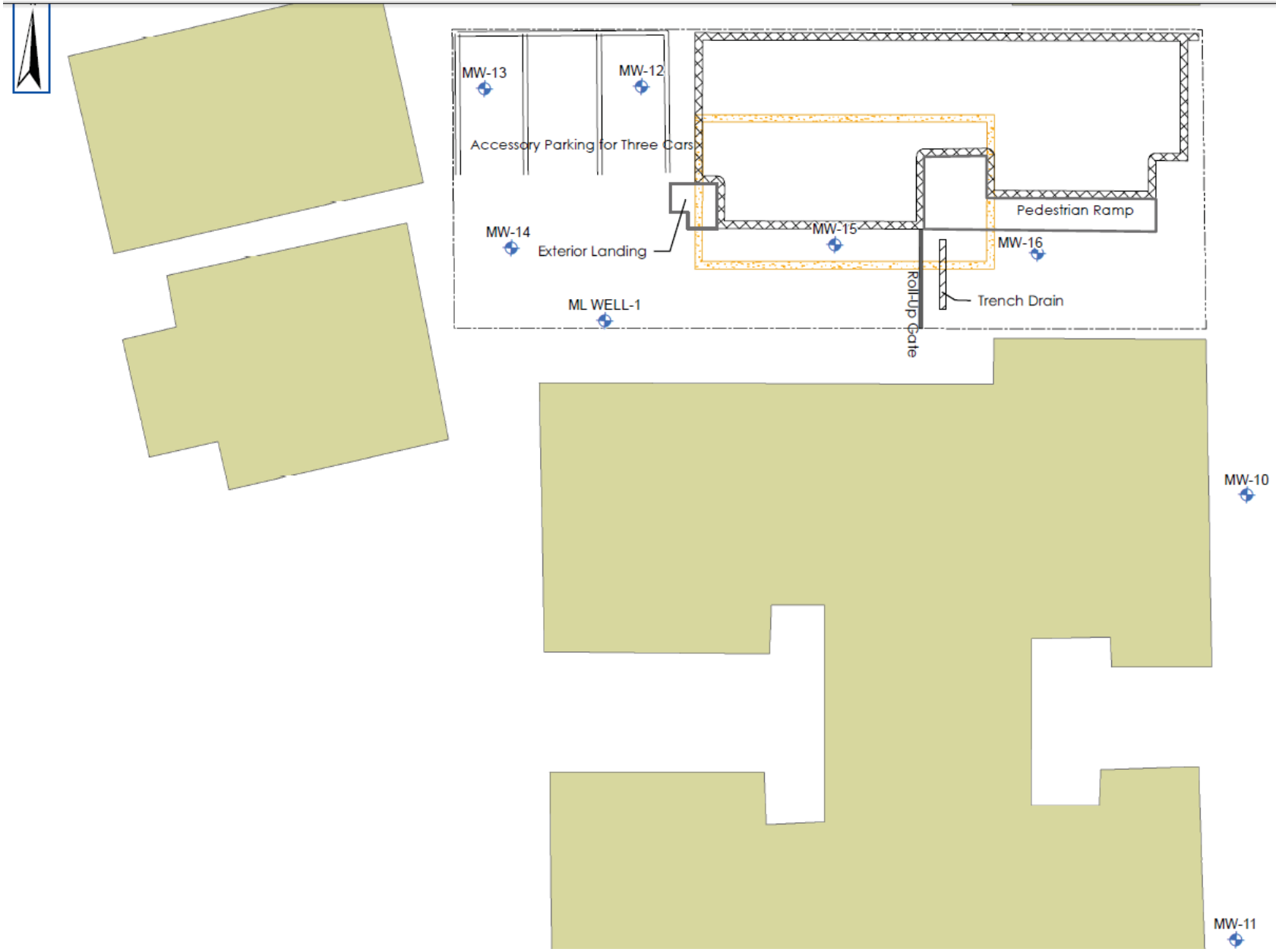


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Steven Labrecque

Inspection Time: 1345

Inspection Date: November 16, 2016

Weather Conditions: 50°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Working	CFM
VI-MS	27	" W.C.
VI-703	32	" W.C.
TI-701	90	ºF
PI-701	23	" W.C.
PI-702	0	" W.C.
Hours	8,253.75	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	9.33	9.33	
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.031	-0.031	-0.029	-0.063	-0.077	NA	-0.028	-0.025	-0.064	-0.021	NA	-0.010

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

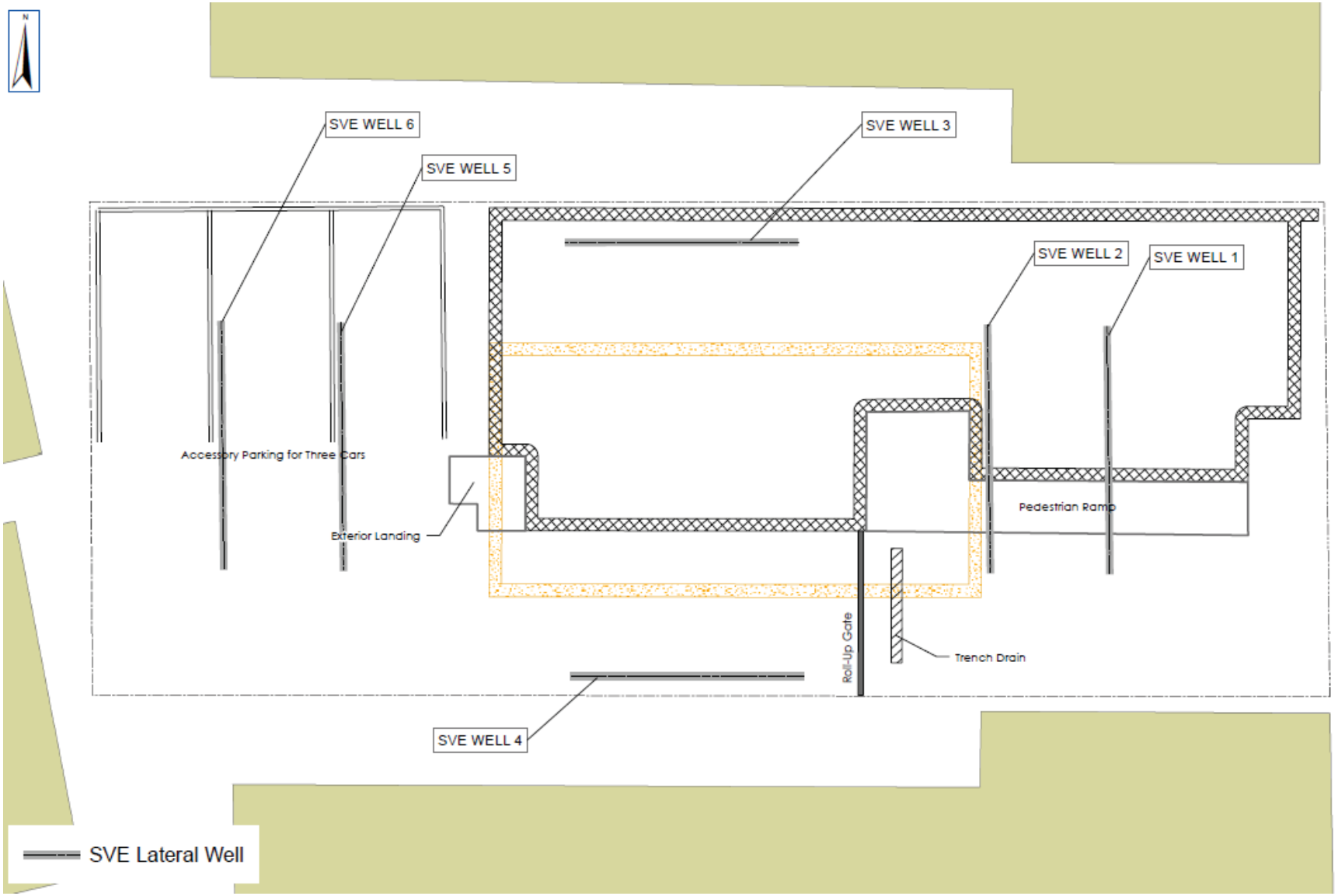
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

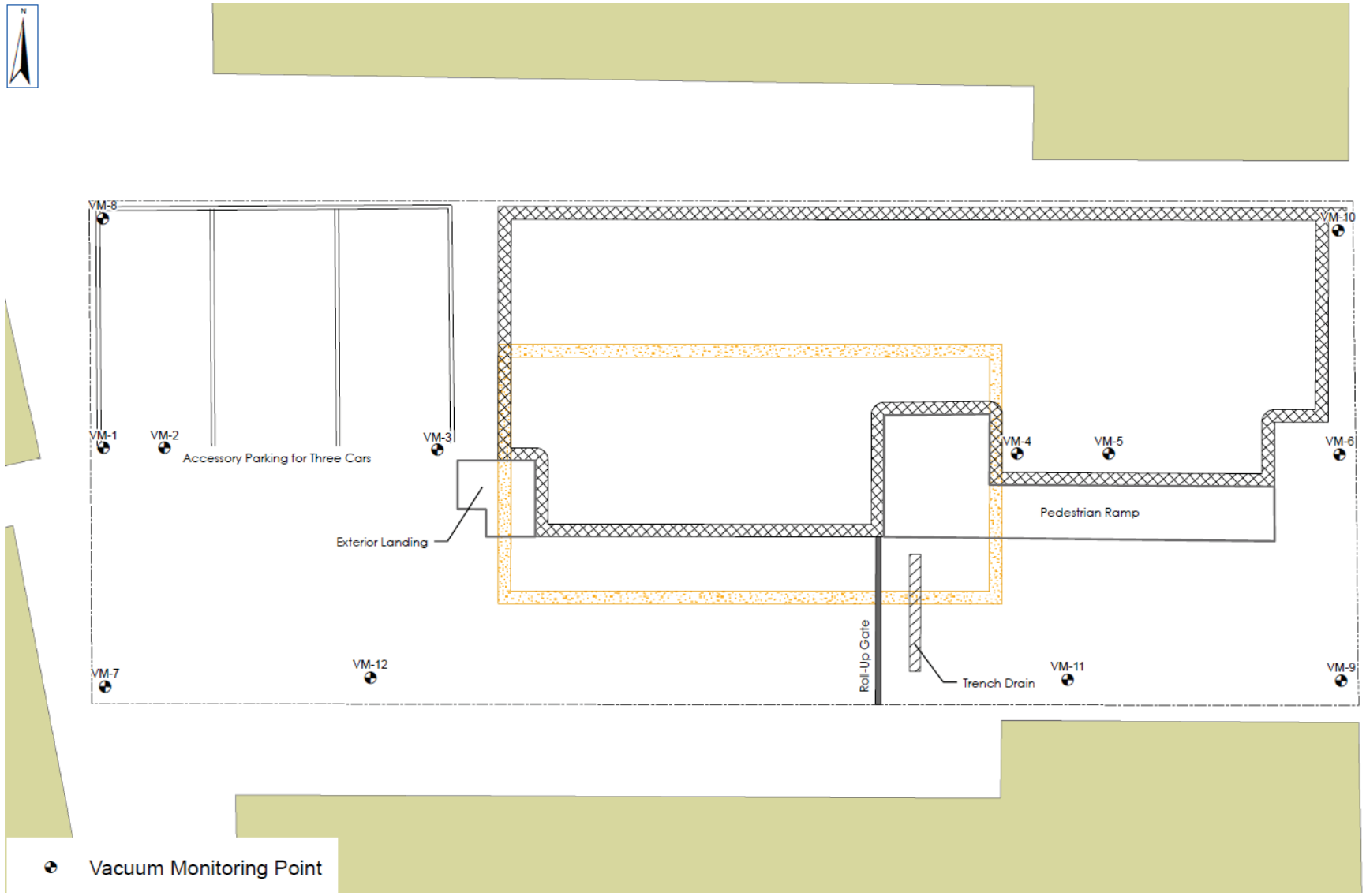


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

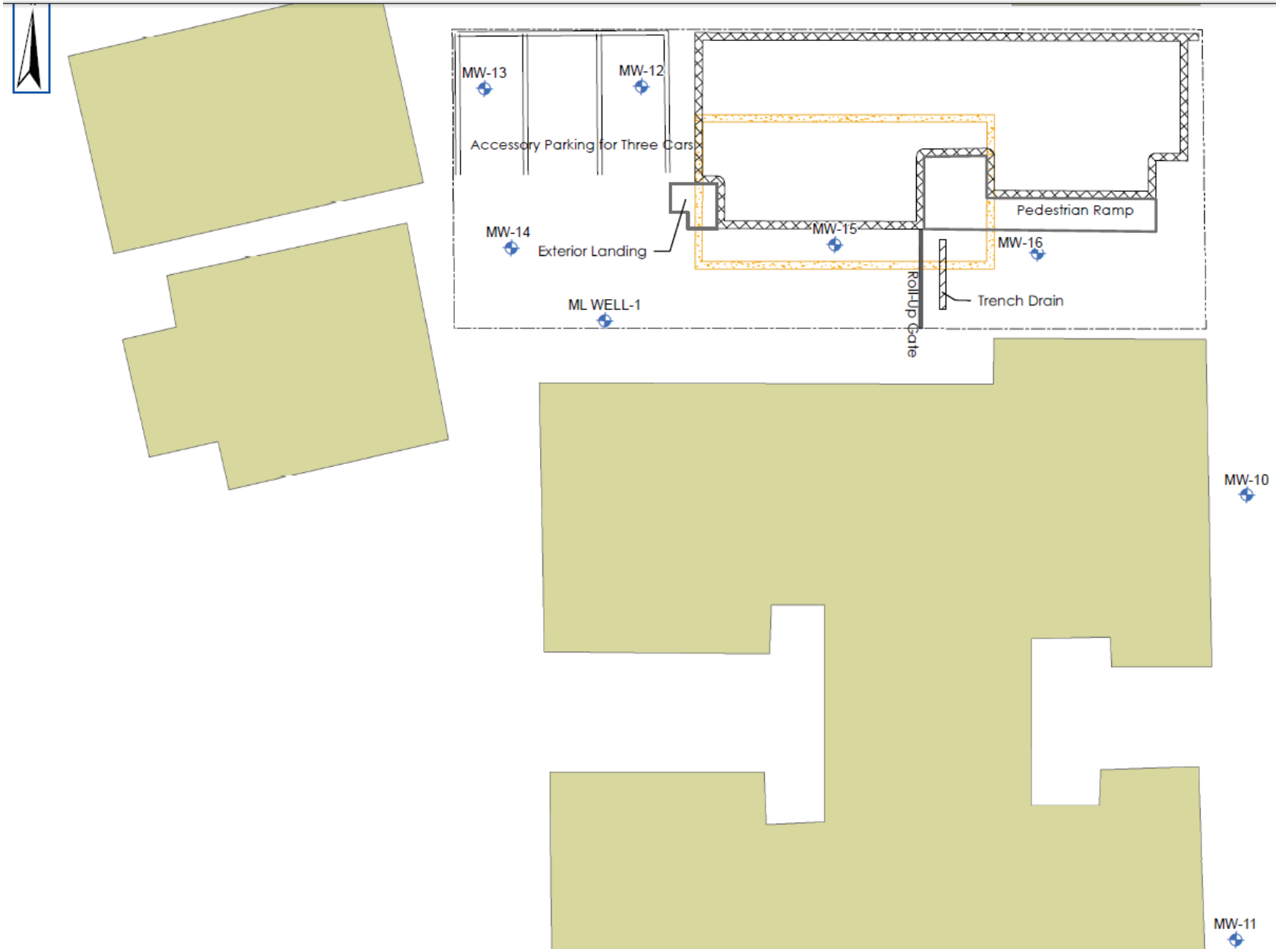


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Steven Labrecque

Inspection Time: 0915

Inspection Date: November 23, 2016

Weather Conditions: 70°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	19	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	32	" W.C.
TI-701	90	ºF
PI-701	25	" W.C.
PI-702	0	" W.C.
Hours	8,540.55	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	NA	NA	9.63
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.001	-0.000	-0.002	-0.009	-0.012	NA	-0.000	-0.000	-0.013	-0.002	NA	-0.000

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

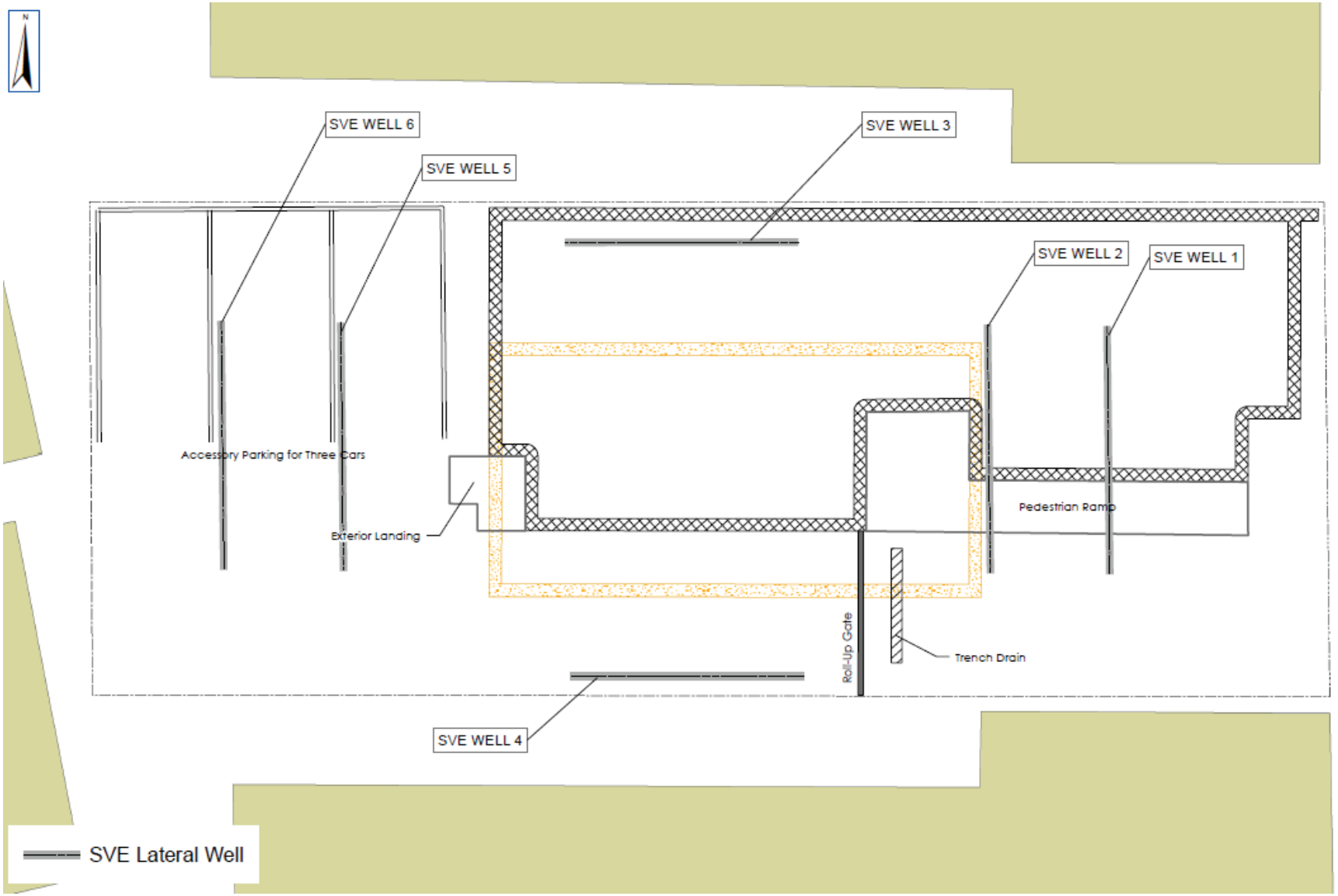
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

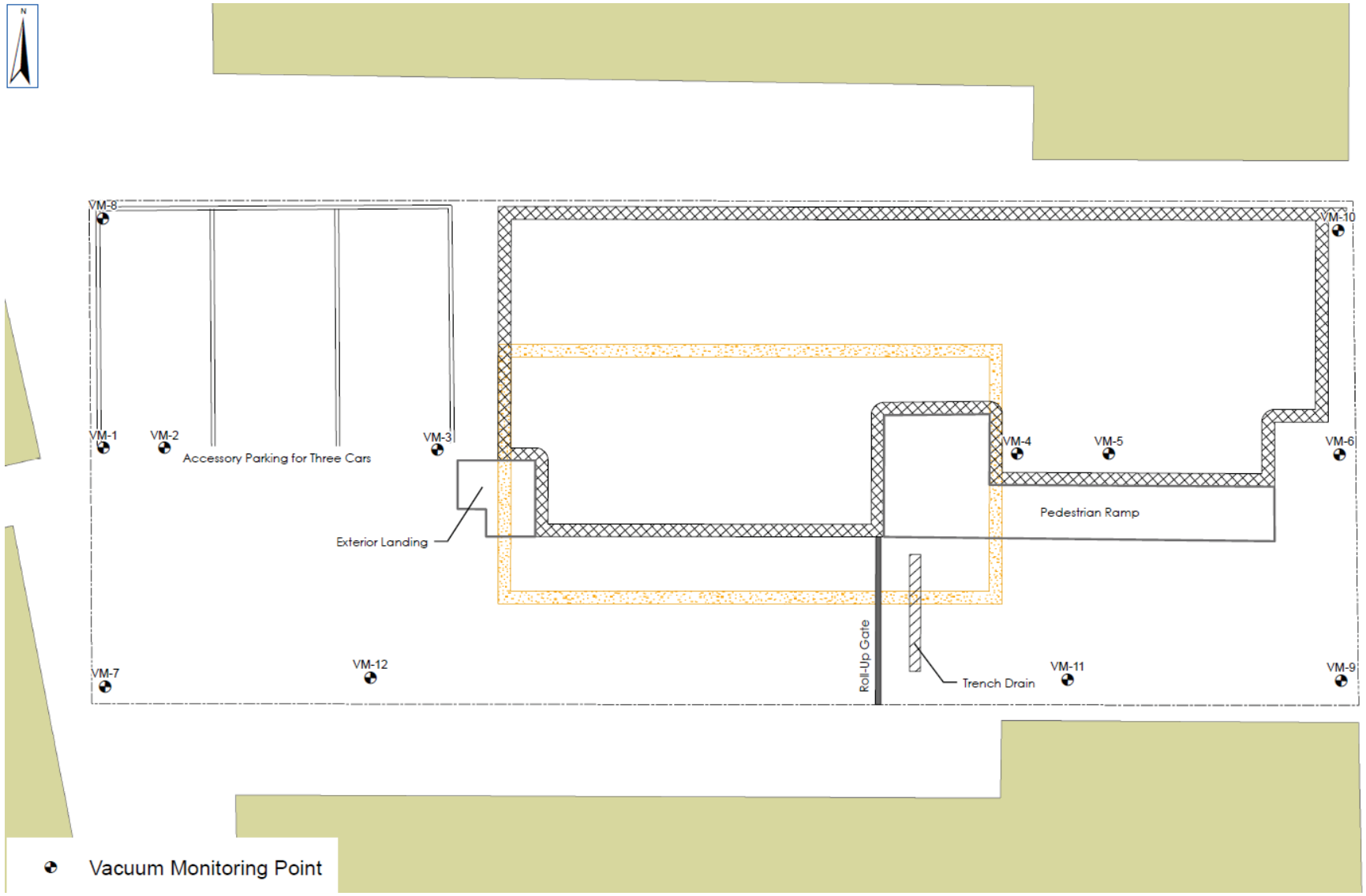


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

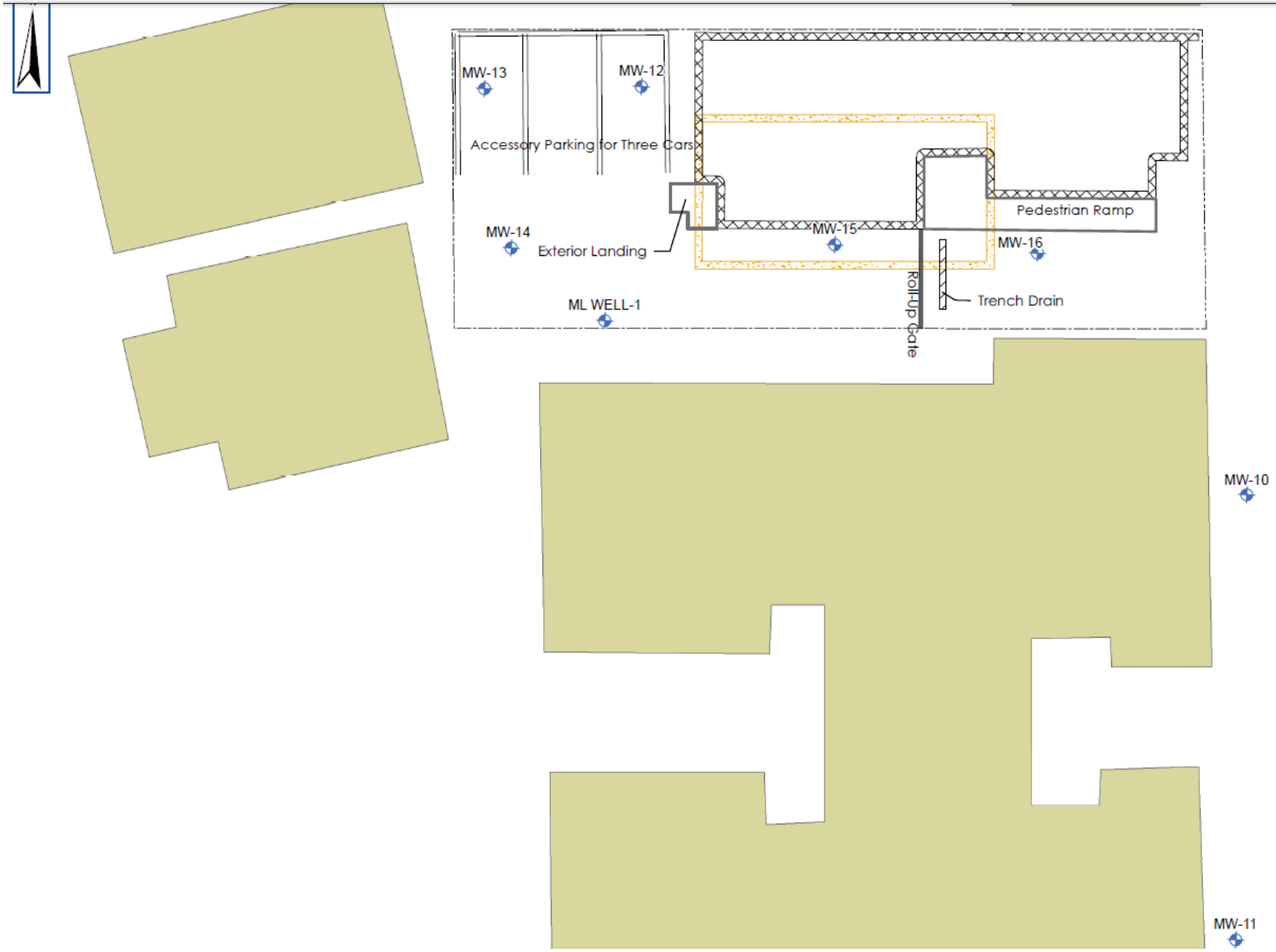


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Steven Labrecque

Inspection Time: 1130

Inspection Date: November 29, 2016

Weather Conditions: 52°F/Sunny

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	16	" W.C.
FI-701	Not Working	CFM
VI-MS	18	" W.C.
VI-703	33	" W.C.
TI-701	85	ºF
PI-701	24	" W.C.
PI-702	0	" W.C.
Hours	8,686.7	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	NA	9.61	9.64
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.002	-0.005	-0.005	-0.013	-0.015	NA	-0.001	-0.007	-0.018	-0.007	NA	-0.013

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

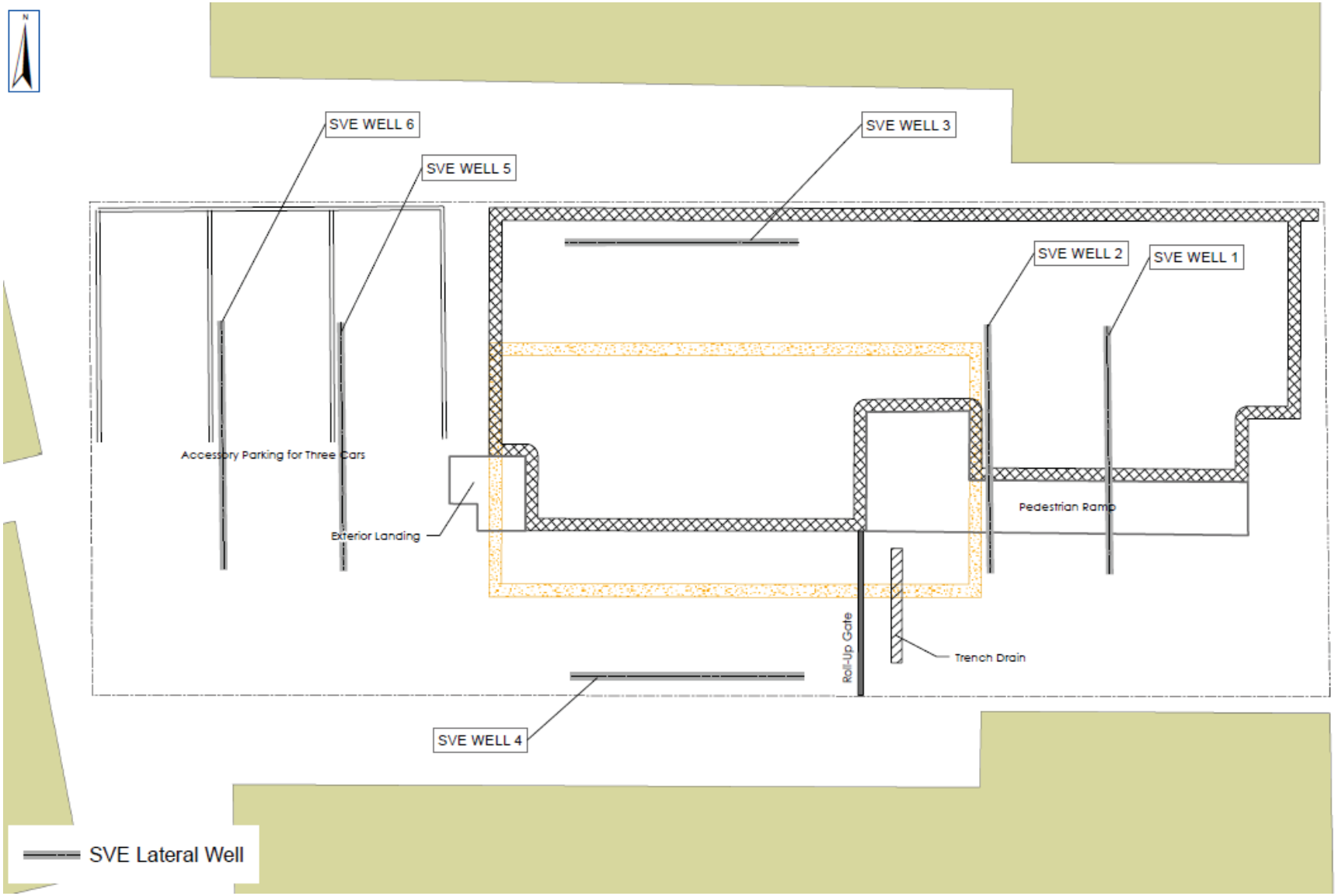
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

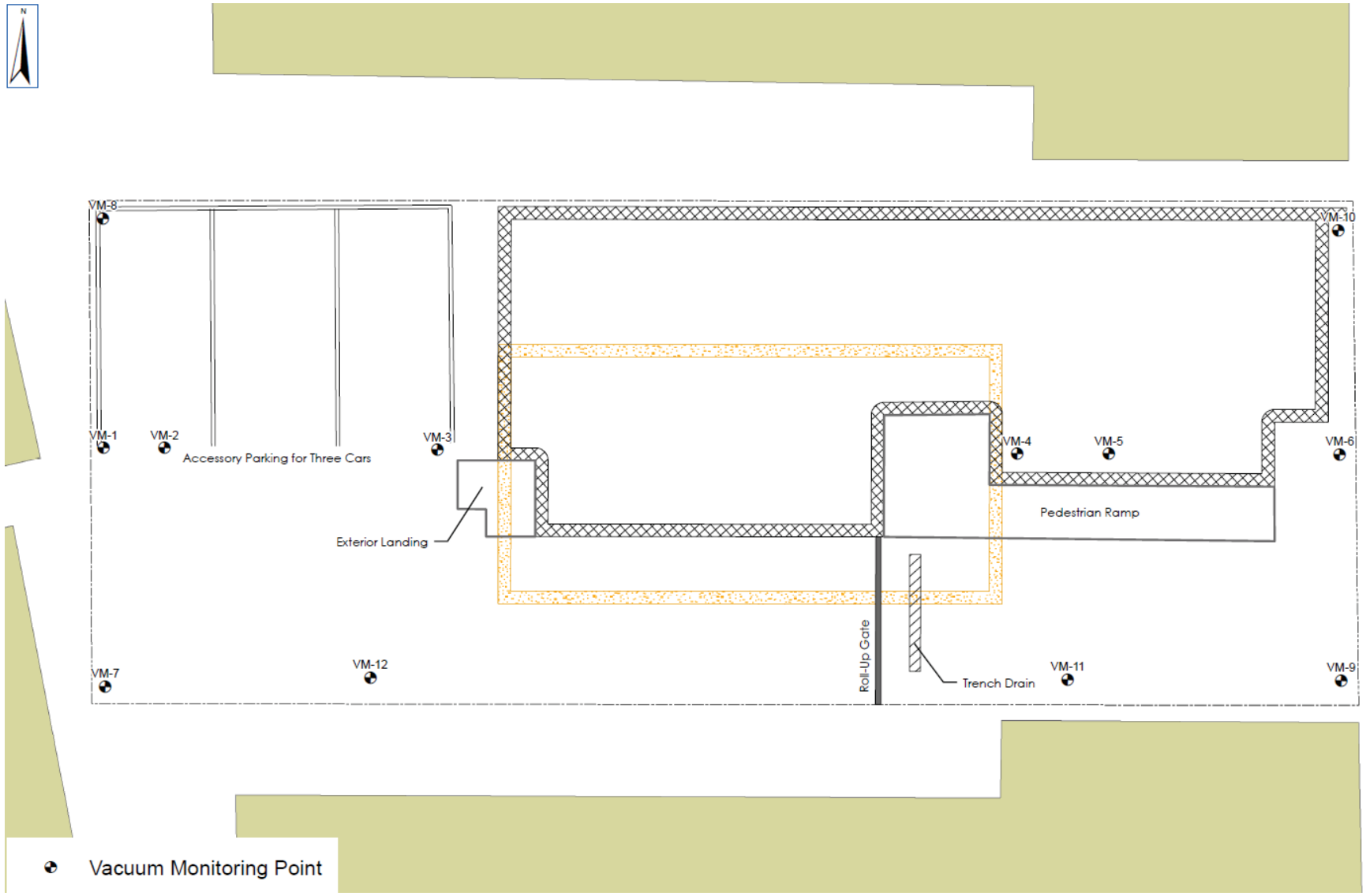


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

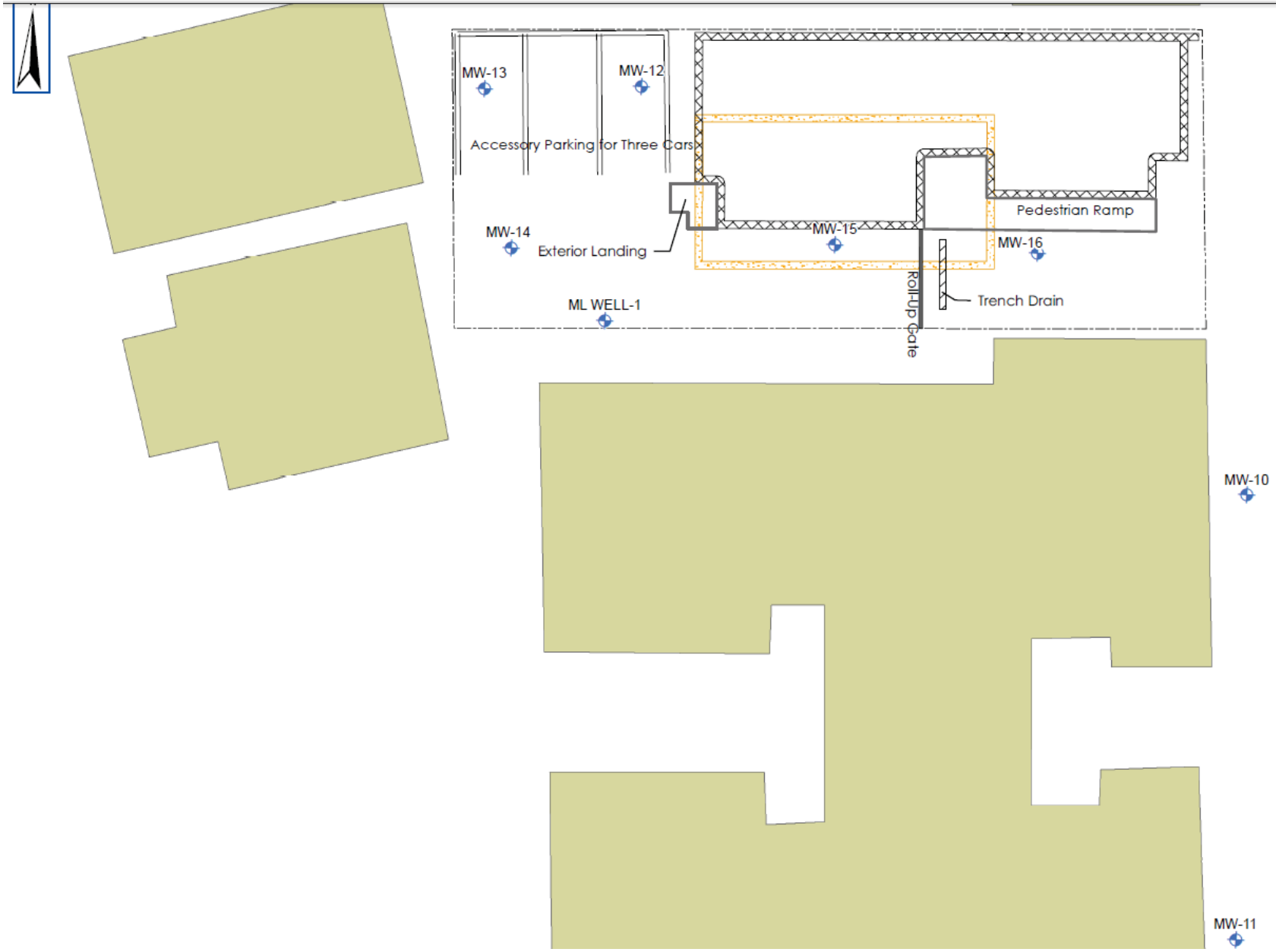


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 1130

Inspection Date: December 6, 2016

Weather Conditions: 35°F/Cloudy

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Working	CFM
VI-MS	28	" W.C.
VI-703	32	" W.C.
TI-701	79	ºF
PI-701	24	" W.C.
PI-702	0	" W.C.
Hours	8,852.9	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NA	8.95	14.65
MW-11	NA	8.96	15.17
MW-12	NA	9.00	17.05
MW-13	NA	9.26	13.50
MW-14	NA	9.20	12.75
MW-15	NA	3.80	4.75
MW-16	NA	NA	9.64
ML-Well1 (15-20')	NA	10.5	20.00
ML-Well1 (35-40')	NA	9.18	40.00

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.006	-0.007	-0.006	-0.015	-0.012	-0.004	-0.016	-0.008	-0.019	-0.008	NA	-0.012

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

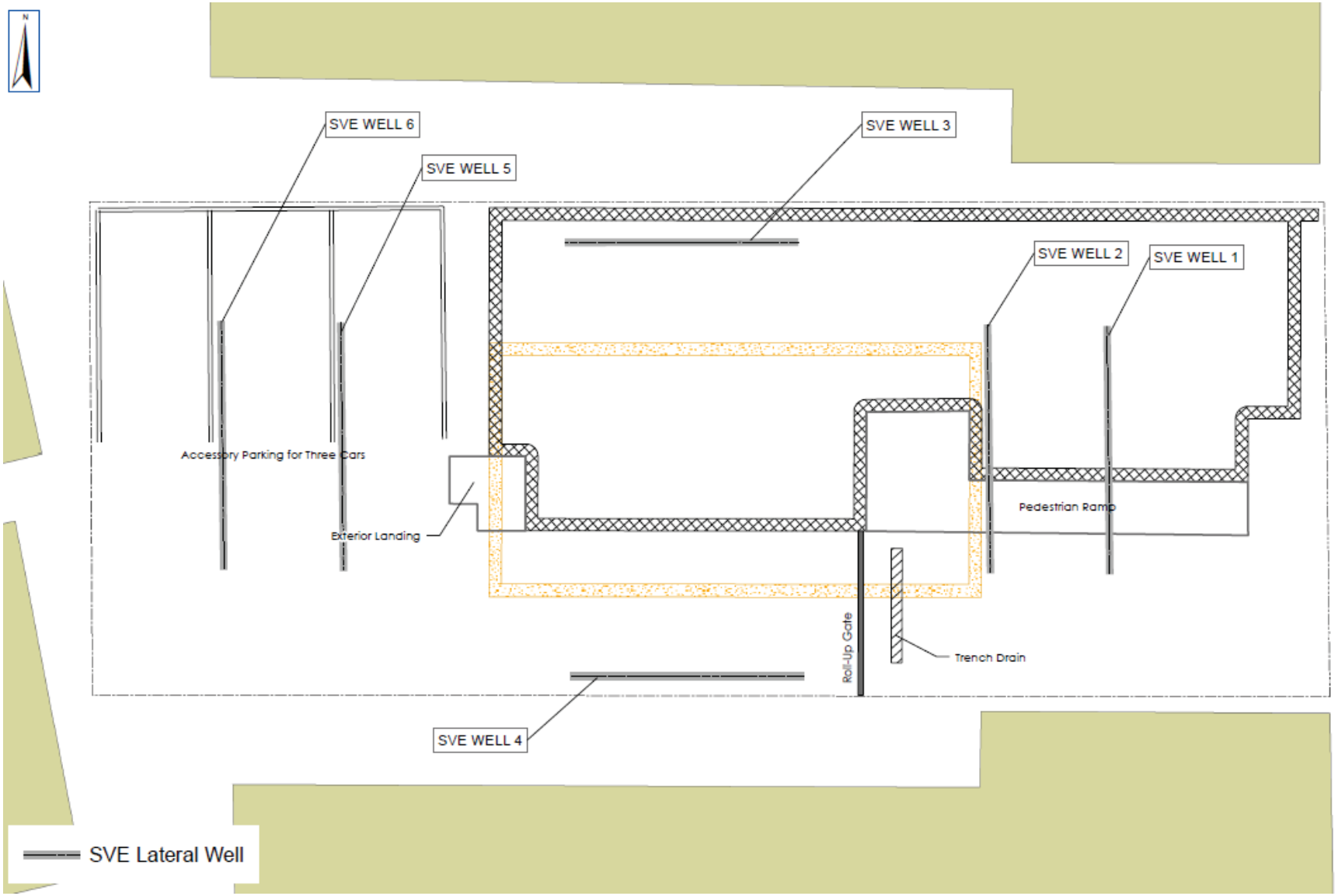
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

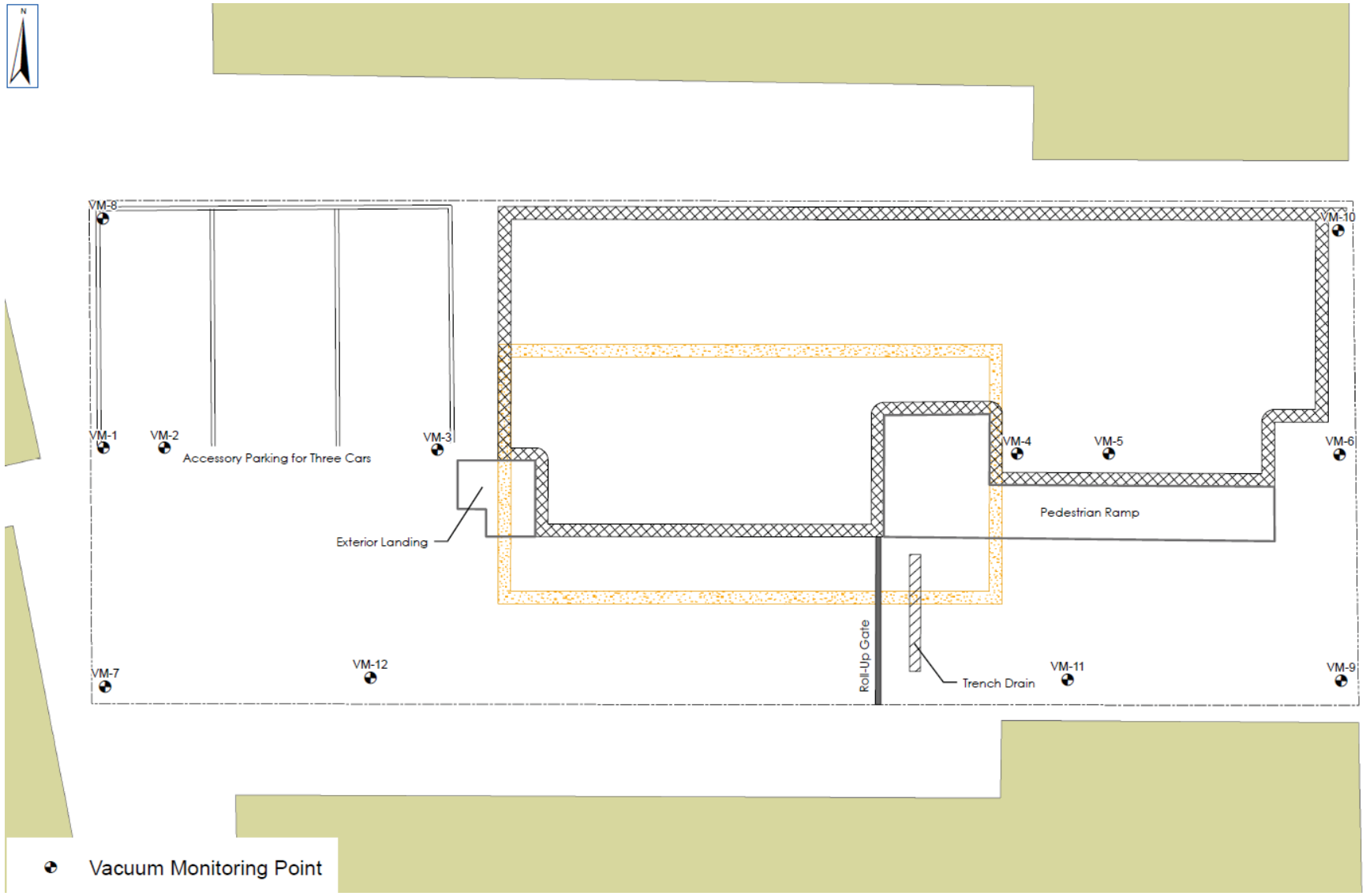


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

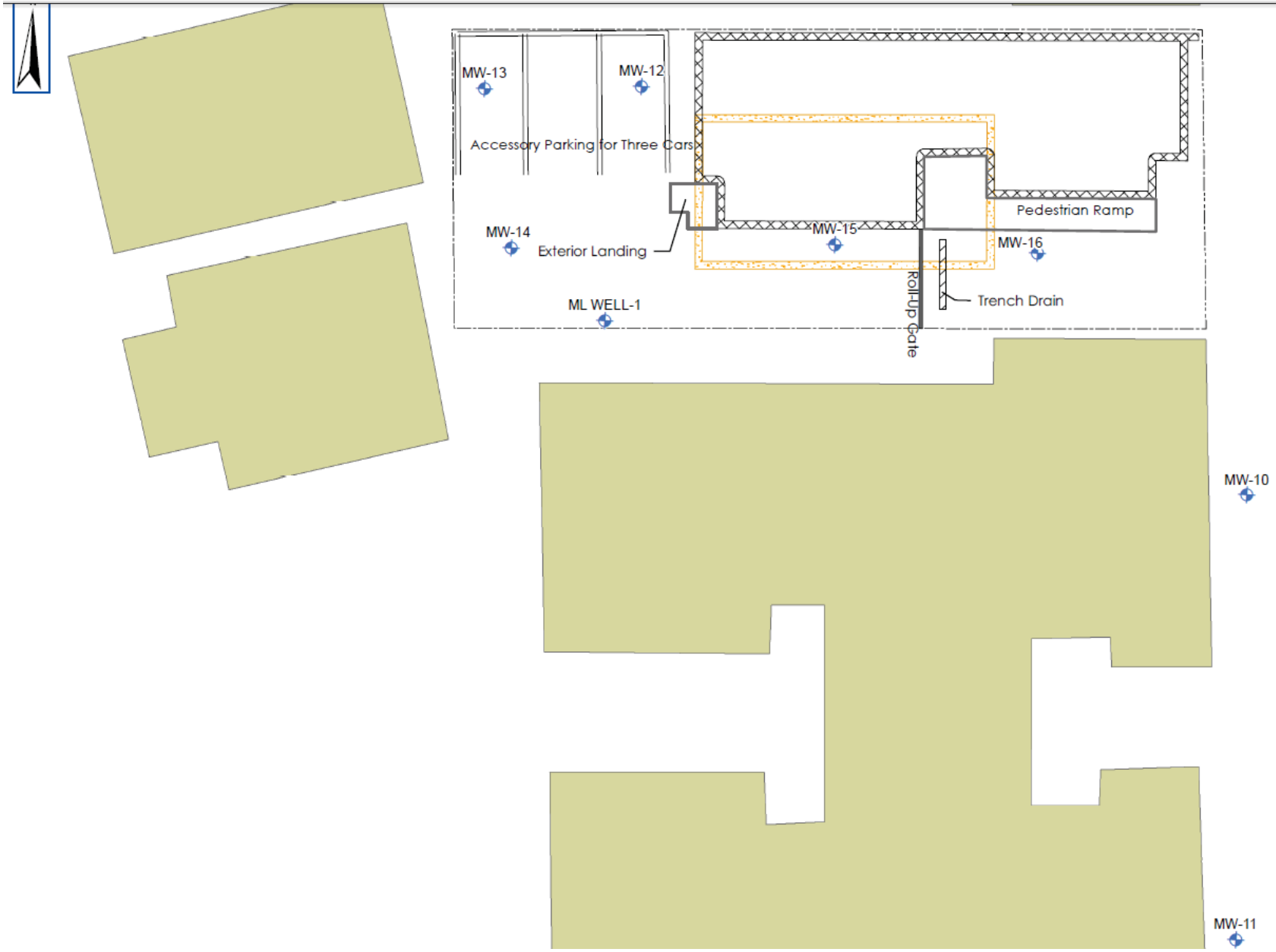


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 09:40

Inspection Date: 1/9/2017

Weather Conditions: Cloudy, 47ºF

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Functioning	CFM
VI-MS	27	" W.C.
VI-703	31	" W.C.
TI-701	89	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	09545.8	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	NP	9.42	9.65
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.004	-0.006	-0.005	-0.019	-0.008	-0.005	-0.014	-0.004	-0.014	-0.009	NM	NM

Vapor Sample Information

Location	**PID (ppm)**	**Start Time**	**Start Vacuum**	**End Time**	**End Vacuum**	**Sample ID**	**Notes**
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

System operating normally

_____

_____

Items to be Addressed / Fixed: _____

_____

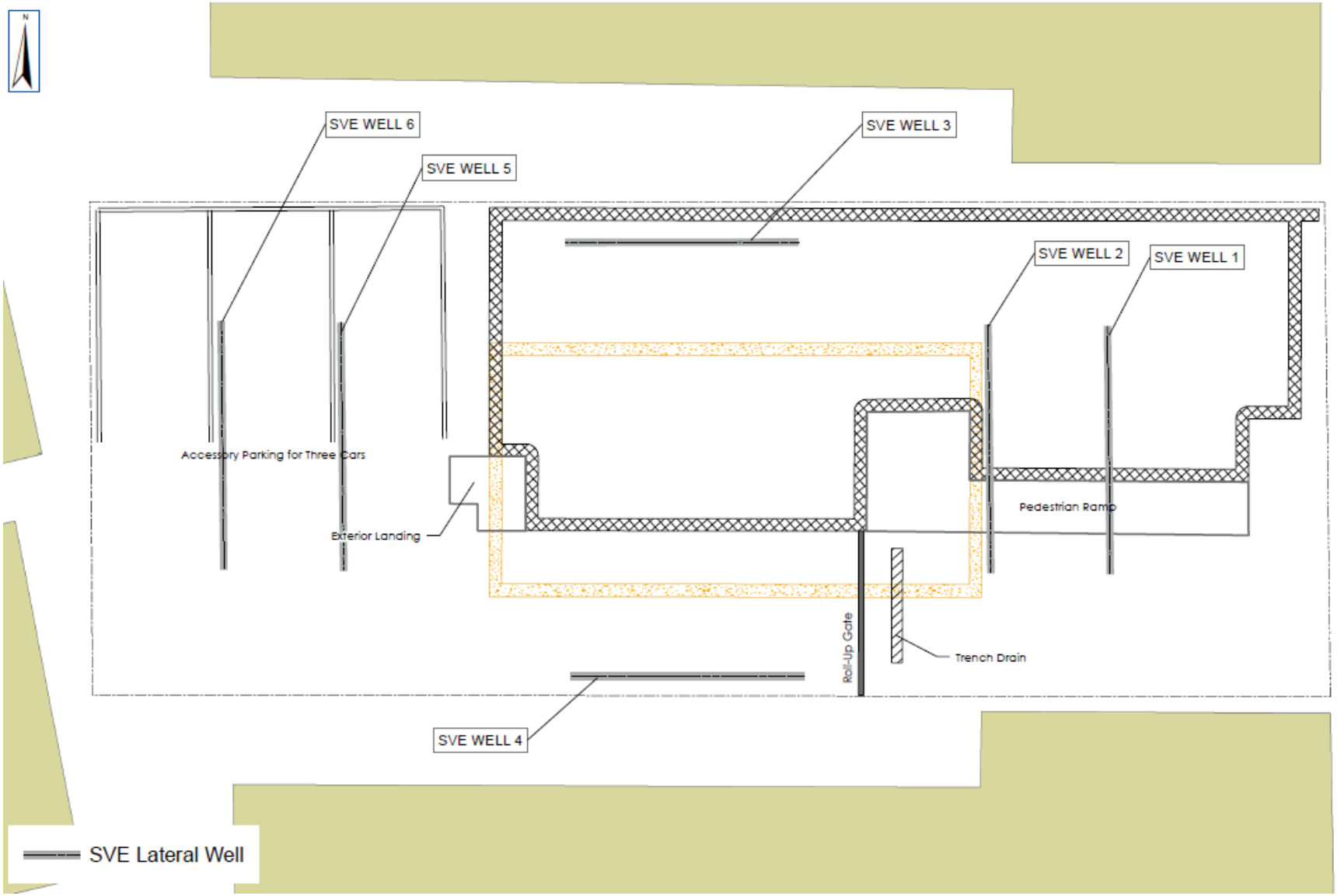
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

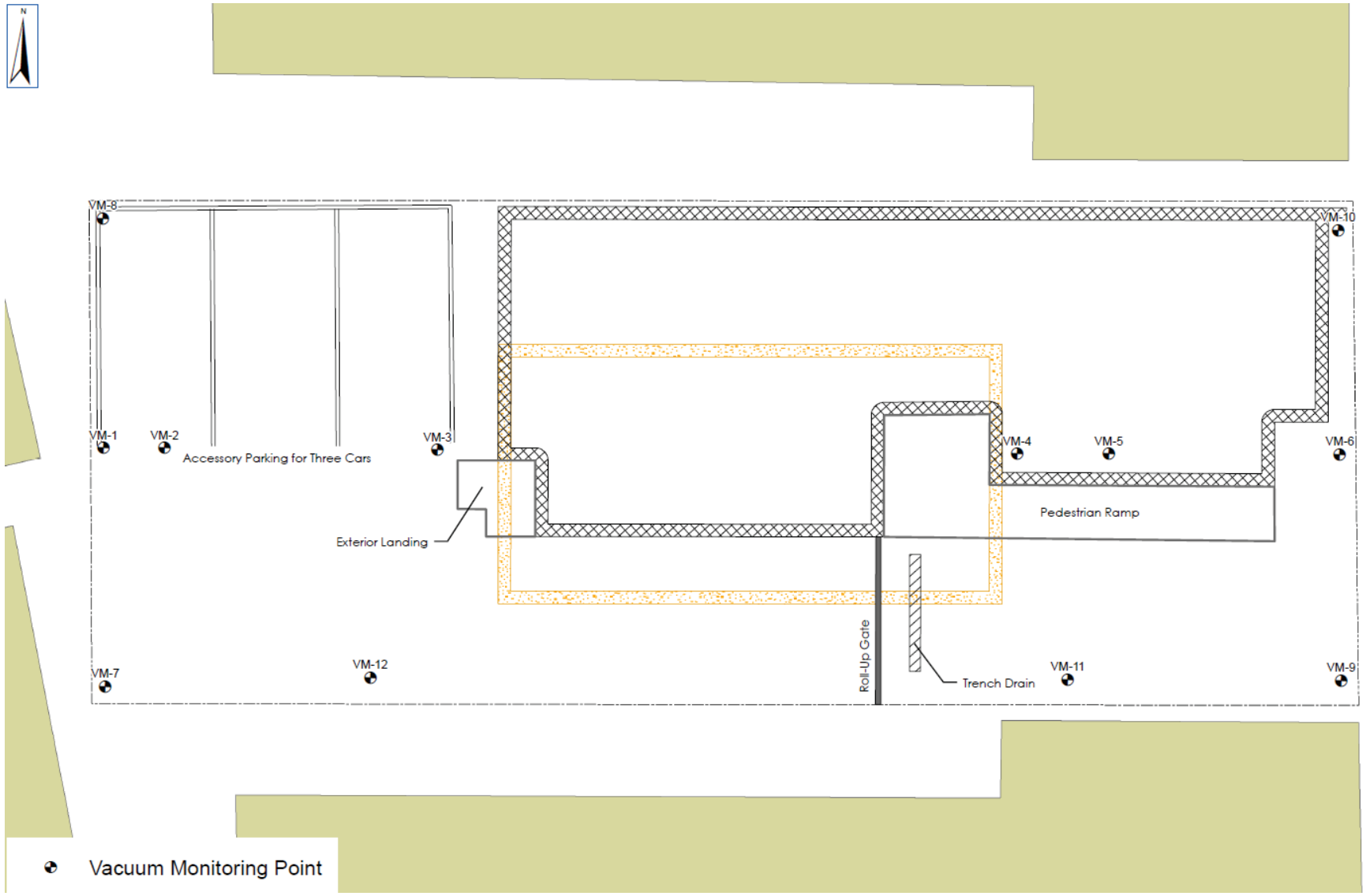


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

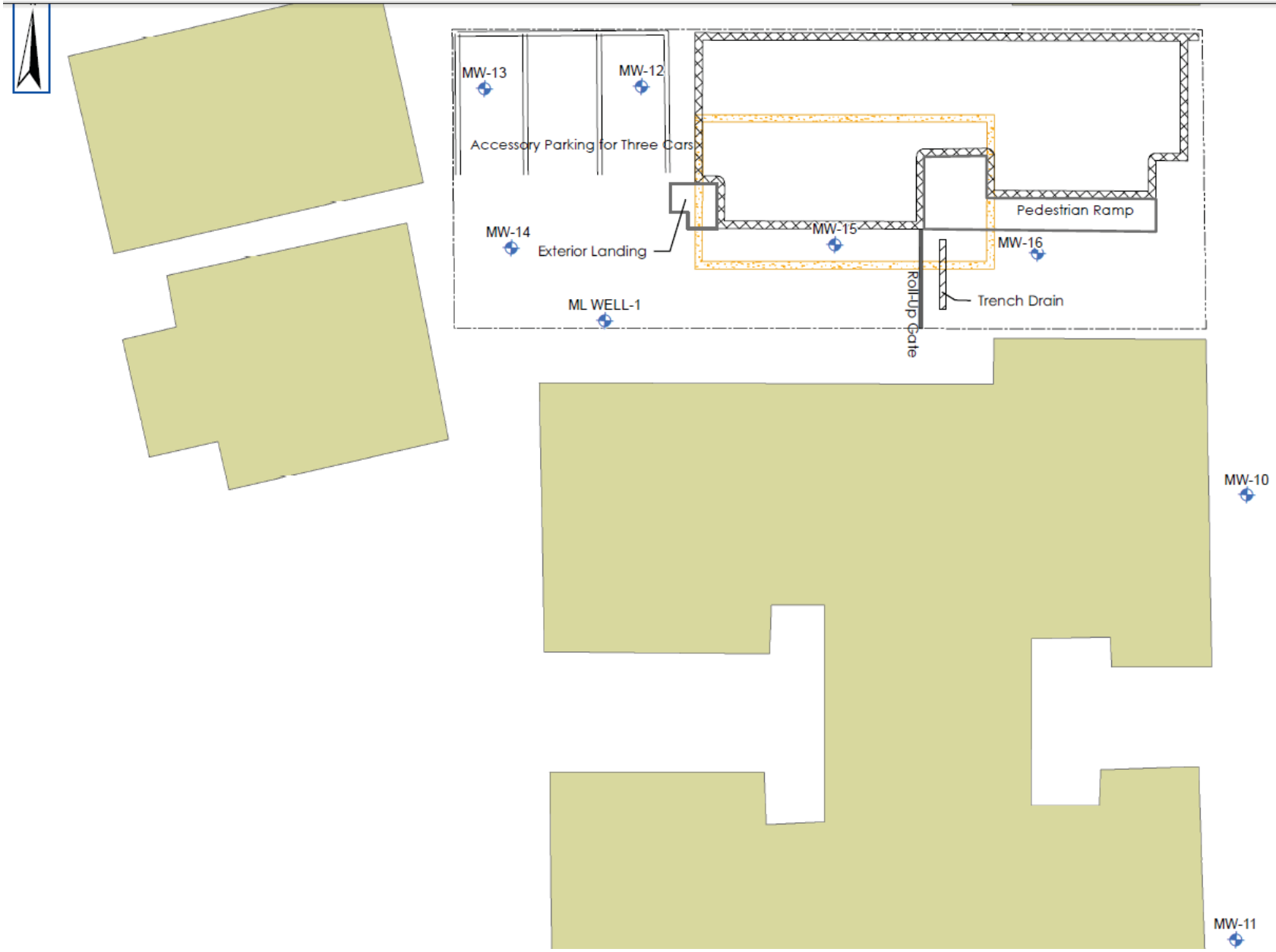


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 13:30

Inspection Date: 2/15/2017

Weather Conditions: Cloudy, 42ºF

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Functioning	CFM
VI-MS	27	" W.C.
VI-703	31	" W.C.
TI-701	89	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	105569.9	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	NP	9.33	9.70
ML-Well1 (15-20')			
ML-Well1 (35-40')			

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.008	-0.008	-0.022	-0.014	-0.016	-0.010	-0.005	-0.008	-0.023	-0.010	NM	NM

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

System operating normally

_____

_____

Items to be Addressed / Fixed: _____

_____

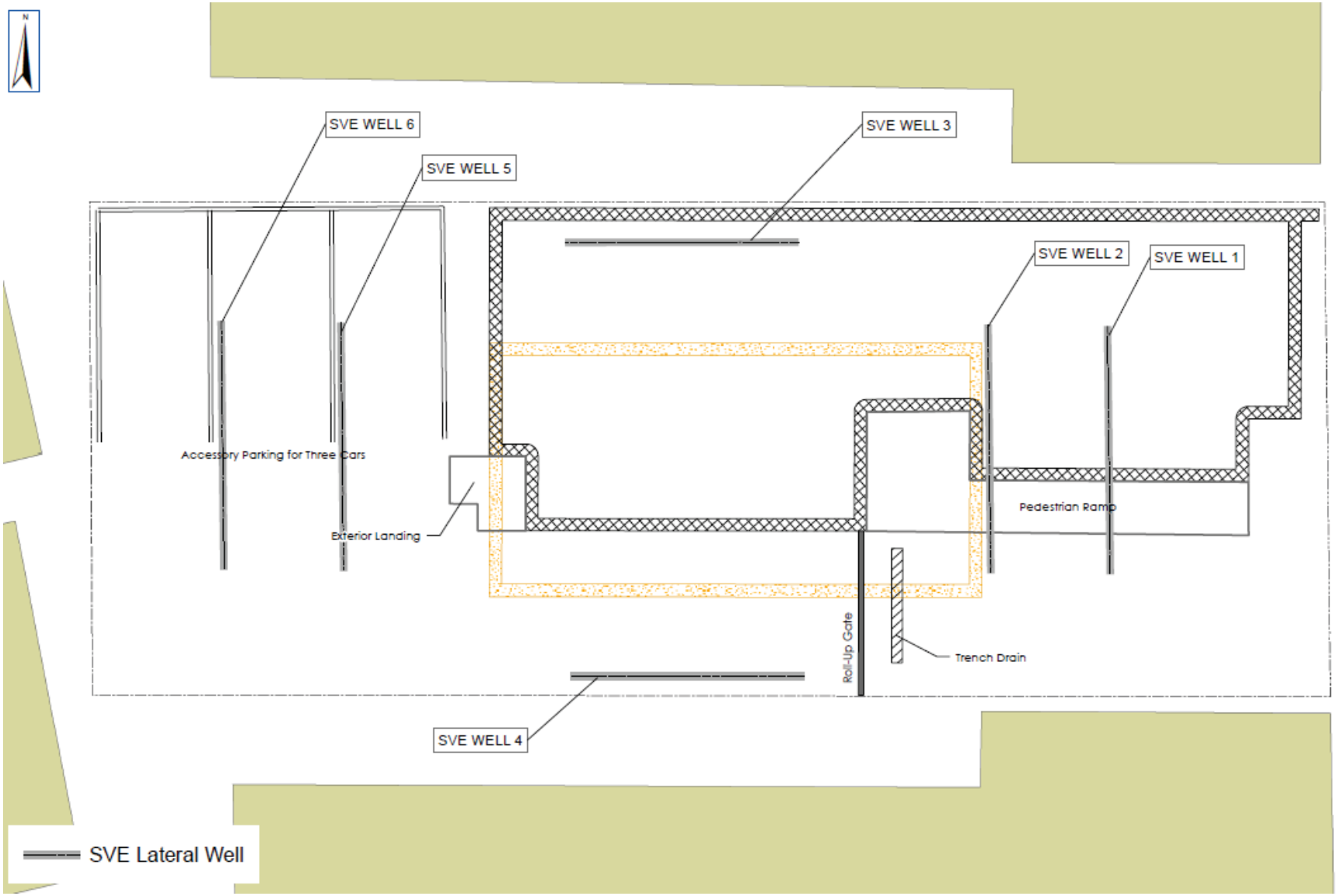
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

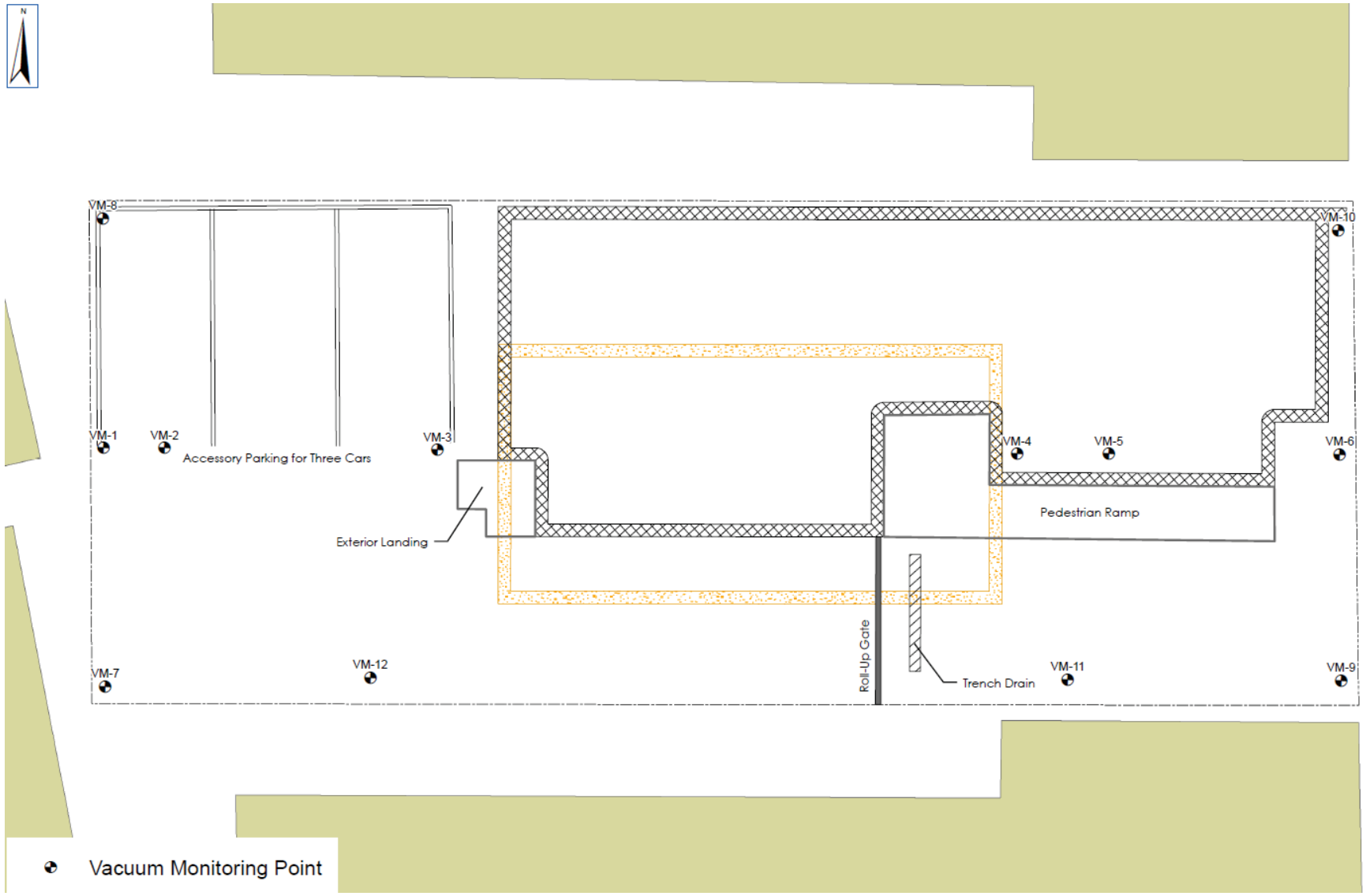


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

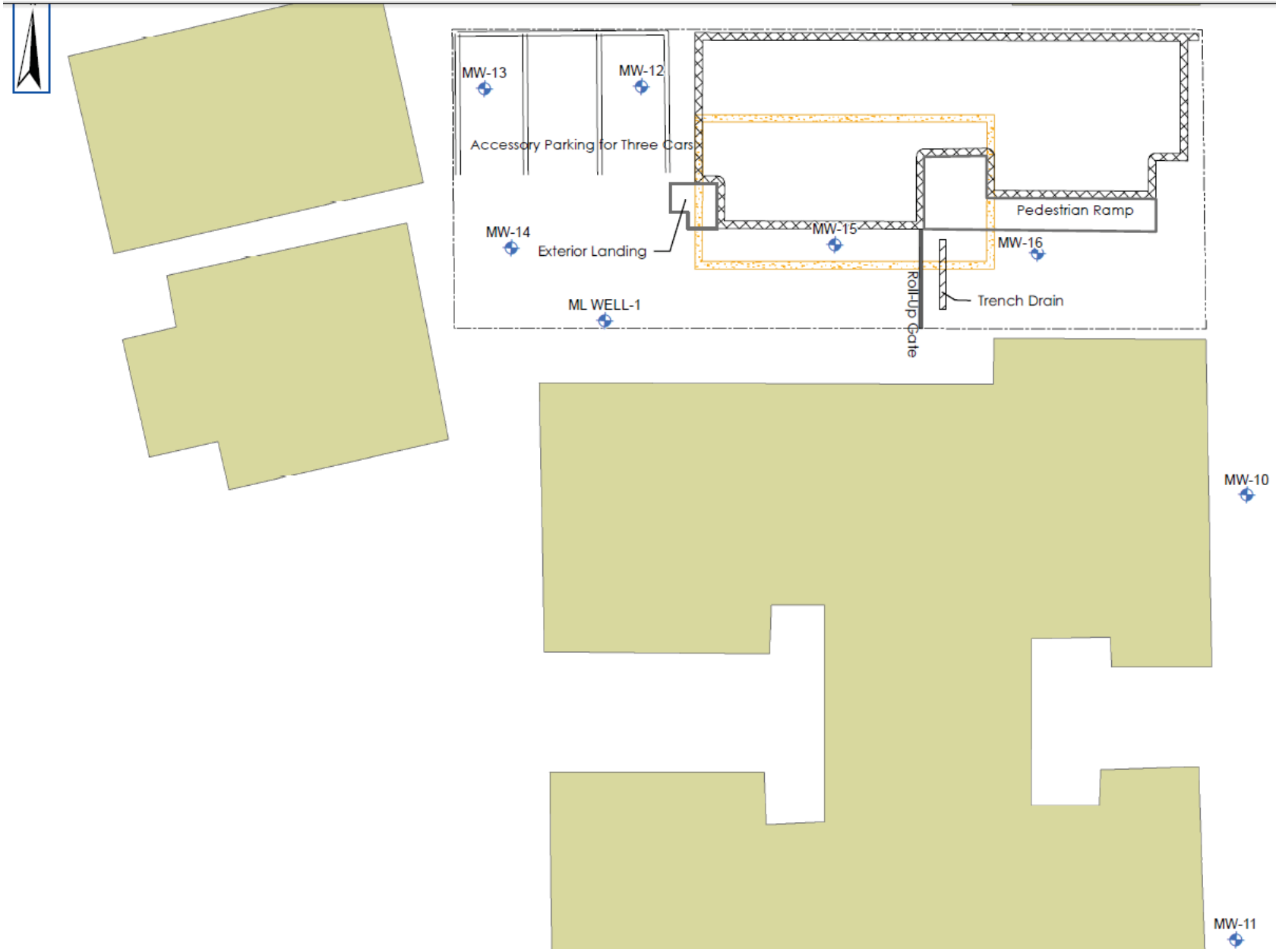


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 14:45

Inspection Date: 3-01-2017

Weather Conditions: Cloudy, 50ºF

YES	NO	
☐	☑	Were any system alarms on upon arrival?
☑	☐	Was the system operating upon arrival?
☑	☐	Was the SVE Blower Intake Filter clear upon arrival?
☐	☑	Was the SVE Blower Intake Filter replaced during this visit?
☑	☐	Was the SVE Blower Dilution Filter clear upon arrival?
☐	☑	Was the SVE Blower Dilution Filter replaced during this visit?
☑	☐	Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.
☐	☑	Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.
☑	☐	Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

System Parameters

Gauge	Reading	Units
VI-701	17	" W.C.
FI-701	Not Functioning	CFM
VI-MS	27	" W.C.
VI-703	31	" W.C.
TI-701	89	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	10890.3	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NP	8.94	14.61
MW-11	NP	8.97	15.29
MW-12	NP	9.01	13.11
MW-13	NP	9.28	13.51
MW-14	NP	9.24	12.62
MW-15	NP	3.88	4.63
MW-16	9.68	9.68	9.68
ML-Well1 (15-20')	NP	10.30	19.41
ML-Well1 (35-40')	NP	10.42	28.93

DT – Depth to: P-Product, W-Water, B-Bottom

Monthly System Performance Log

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Vacuum Monitoring Points

Well	VM-01	VM-02	VM-03	VM-04	VM-05	VM-06	VM-07	VM-08	VM-09	VM-10	VM-11	VM-12
Vacuum (" WC)	-0.008	-0.008	-0.022	-0.014	-0.016	-0.010	-0.005	-0.008	-0.023	-0.010	NM	NM

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

_____

Comments: _____

System operating normally

_____

_____

Items to be Addressed / Fixed: _____

_____

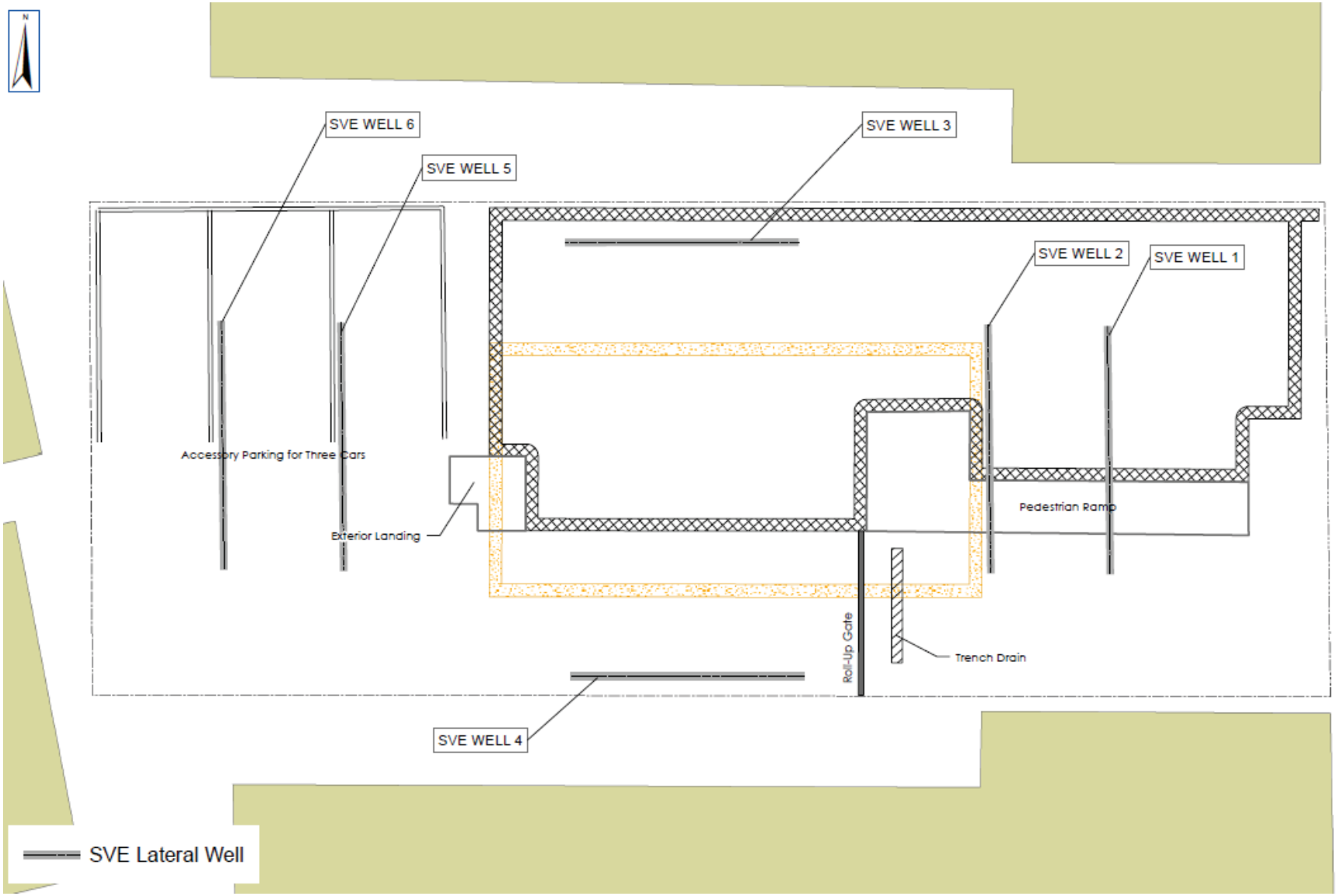
_____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

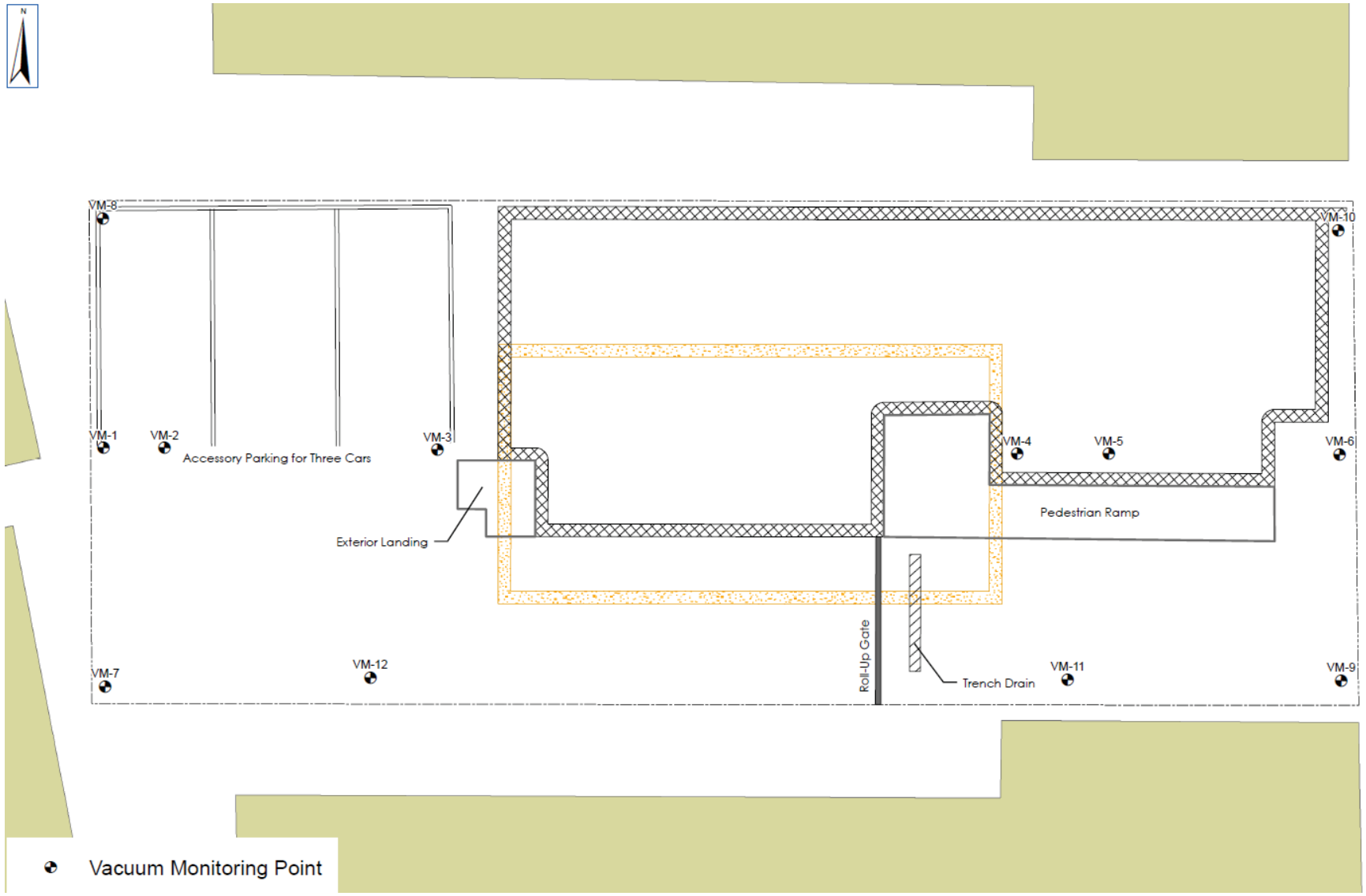


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

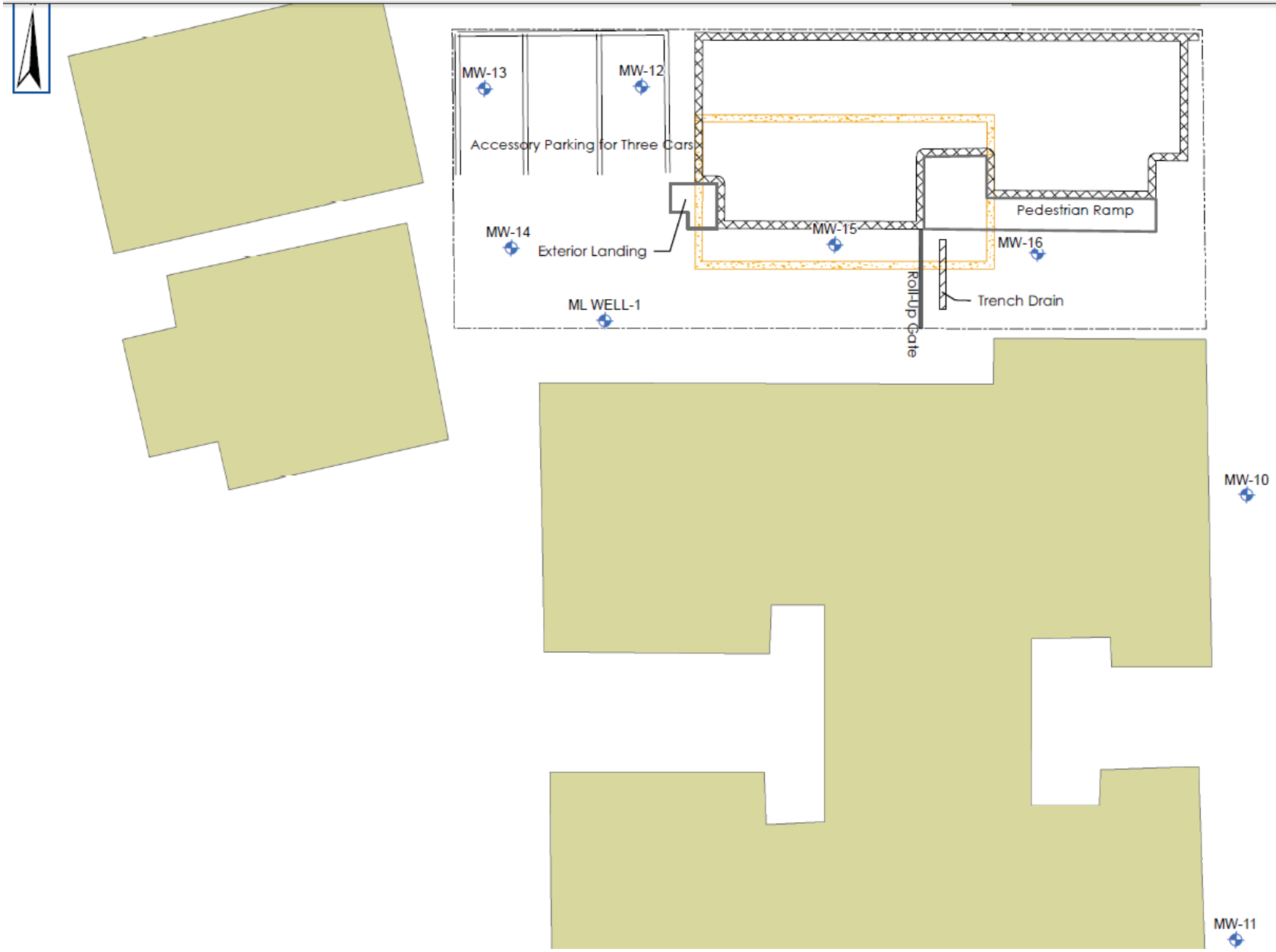


Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



APPENDIX E

P.W. GROSSER CONSULTING

April 28, 2017

Mr. Yuk Yin Wong
New York State Department of Environmental Conservation
Region 2
47-40 21st Street
Long Island City, NY 11101

Re: 3140 Coney Island Avenue, Brooklyn
NYSDEC Spill #16-04244, NYSDEC Site # : C224157

Dear Mr. Wong:

P.W. Grosser Consulting, Inc. (PWGC) is submitting this letter to formerly request your approval of proposed modifications to the existing soil vapor extraction system and the soil vapor sampling frequency at the above-referenced Brownfield Cleanup Site. As you have been made aware of from the Final Engineering Report for the former Brighton Cleaners, dated December 2015 and prepared by this office, site remediation activities included, but were not limited to, the installation of a soil vapor extraction (SVE) system.

As depicted on the attached graph, influent VOC soil vapor concentrations have decreased significantly within the 16 months from November 2015 through March 2017. AERSCREEN air-screening software was utilized to estimate the ambient air concentration of Tetrachlorethene, Trichloroethene, and cis-1,2-Dichloroethene, the parameters with the three highest detected VOC concentrations at the site. The results were then compared to **NYSDEC DAR-1 Guidelines for the Evaluation and Control of Ambient Air Contaminants Under Part 212**. Based on the most recent influent air sampling data, both the short-term and long-term ambient air concentrations for all three parameters are well within DAR-1 ambient air limitations. Furthermore, AERSCREEN analysis of the original sampling results from November 2015 also indicate that estimated ambient concentrations were within permitted limitations (See Table 1 attached).

At this time PWGC proposes to discontinue use of activated carbon treatment and reduce the required sampling frequency from quarterly to annually. Based on the most recent as well as historical sampling data, PWGC deems these steps to be considered appropriate.

If you have any questions pertaining to this correspondence, please do not hesitate to contact the undersigned.

Very truly yours,
PWGC

Jennifer Lewis
Project Manager

Doreen Carlson
Sr. Project Manager

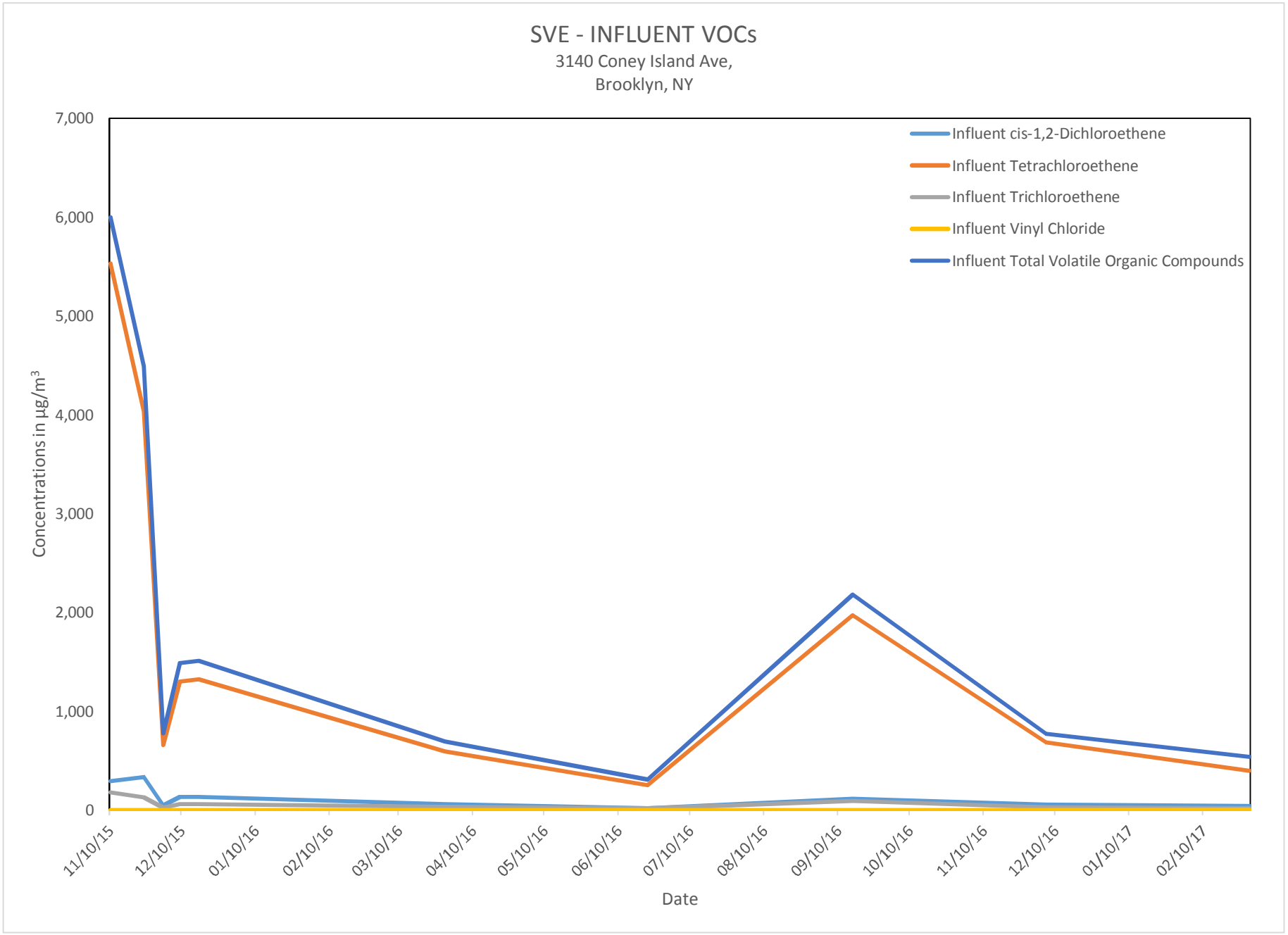

SVE - INFLUENT VOCs
3140 Coney Island Ave,
Brooklyn, NY
Influent cis-1,2-Dichloroethene
Influent Tetrachloroethene
Influent Trichloroethene
Influent Vinyl Chloride
Influent Total Volatile Organic Compounds
Concentrations in µg/m3
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
11/10/15
12/10/15
01/10/16
02/10/16
03/10/16
04/10/16
05/10/16
06/10/16
07/10/16
08/10/16
09/10/16
10/10/16
11/10/16
12/10/16
01/10/17
02/10/17
Date

TABLE 1 – AERSCREEN RESULTS
3140 Coney Island Avenue, Brooklyn, NY
Soil Vapor Sampling

Contaminant	CAS #	Mol Weight (g)	Sample Date	Soil Vapor Sampling Results (ug/m^3)	Emission Rates				Guideline Concentrations	
					Pre-Carbon		Est. Conc. (µg/L) Short-term[2] (Pre-Carbon)	Est. Conc. (µg/L) Annual[2] (Pre-Carbon)	SGC (µg/L)[3]	AGC (µg/L)[3]
					lbs/hour[1]	lbs/yr				
Tetrachloroethene	127-18-4	165.8	11/10/2015	5,530	2.53E-03	22.16	1.27	0.127	**300**	**4**
			3/1/2017	394	1.80E-04	1.58	0.096	0.0096		
Trichloroethene	79-01-6	131.4	11/10/2015	177.0	8.10E-05	0.71	0.339	0.0339	**20**	**0.2**
			3/1/2017	17.6	8.05E-06	0.07	0.0043	0.0004		
cis-1,2-Dichloroethene	156-59-2	96.95	11/10/2015	291.0	1.33E-04	1.17	0.551	0.0551	**NA**	**63**
			3/1/2017	39.5	1.81E-05	0.16	0.0767	0.0077		

[1]Air Flow Rate (cfm): 120

[2]Estimated short-term and annual emission concentration calculated with AERSCREEN Screening Software.

[3]SCG/ACG - NYSDEC Division of Air Resources**Short-term Guideline Concentration/Annual Guideline Concentration**

APPENDIX F

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Ms. Jennifer Lewis

April 26, 2016

SUBJECT: Coney Island, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed are the final data usability summary reports for the fraction listed below. These SDGs were received on April 26, 2016. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #36234:

SDG #	Fraction
L1609110, L1609182	Volatiles

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SOP HW-24, Revision 4, October 2014
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-014-002, August 2014
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
Project Manager/Chemist

1,503 pages-DL 2 DAY TAT - 50% Surcharge Attachment 1

Selected Samples

LDC #36234 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(2) DATE DUE	VOA (TO-15)		VOA (8260C)																													
Matrix:	Air/Water/Soil			A	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1609110	04/26/16	04/28/16	-	-	1	0																												
B	L1609182	04/26/16	04/28/16	1	0	-	-																												
Total	T/CR			1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Shaded cells indicate CAT B validation (all other cells are Level III validation). These sample counts do not include MS, MSD, or DUP's.

Site:	Former Brighton Cleaners
Laboratory:	Alpha Analytical
Report No.:	L1609110
Reviewer:	Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date:	April 26, 2016

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-13	L1609110-04	VOC

Associated QC Samples(s):
Field/Trip Blanks: Trip Blank, Field Blank
Field Duplicate pair: MW-13 and DUPE001

The above-listed water sample was collected on March 29, 2016 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry,* SOP HW-24, Revision 4 (October 2014) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-014-002 (August 2014), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix and laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Criteria)	Associated Samples		Validation Action
02/27/16	ICAL-Gonzo	1,4-Dioxane	0.00176 (≥0.005)	MW-13	+	UJ nondetects

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
02/27/16	ICV-Gonzo	Dichlorodifluoromethane	39.42698	MW-13	SS	UJ nondetects
		Trichlorofluoromethane	32.37200		SS	UJ nondetects
		Carbon disulfide	31.77613		SS	UJ nondetects
		Carbon tetrachloride	43.34937		SS	UJ nondetects
		Bromoform	30.71861		SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the samples listed above were estimated due to relative response factor and initial calibration verification exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
04/05/16	CCV	Chloromethane	27.31417	MW-13	XX	UJ nondetects
		Bromomethane	41.90739		XX	UJ nondetects
		Carbon disulfide	21.63674		XX	UJ nondetects
		Methyl-tert-butyl ether	26.10182		XX	UJ nondetects
		1,4-Dioxane	30.74911		XX	UJ nondetects
		4-Methyl-2-pentanone	25.43015		XX	UJ nondetects
		2-Hexanone	27.65507		XX	UJ nondetects
		1,1,2,2-Tetrachloroethane	21.99798		XX	UJ nondetects
		1,2,3-Trichloropropane	25.18806		XX	UJ nondetects
		Naphthalene	26.46196		XX	J detects
		1,2,3-Trichlorobenzene	22.39526		XX	UJ nondetects

Date	Instrument ID	Compound	RRF (Criteria)	Associated Samples		Validation Action
04/05/16	CCV	1,4-Dioxane	0.00122 (≥0.005)	MW-13	-	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the samples listed above were estimated due to relative response factor and continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

No positive results were found in the trip blank sample, Trip Blank, and the field blank sample, Field Blank, for VOC analysis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW-15 for VOC analysis. Validation action was not required since there were no associated samples in this SDG.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-13 and DUPE001 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

Compound	Concentration (ug/L)		RPD (Limits)	Validation Actions
	MW-13	DUPE001		
Tetrachloroethene	8.1	9.3	14 (≤25)	-
Benzene	0.51	0.46	10 (≤25)	-
Ethylbenzene	1.7	1.6	6 (≤25)	-
Vinyl chloride	98	74	28 (≤25)	J detects
trans-1,2-Dichloroethene	2.3	2.1	9 (≤25)	-
Trichloroethene	2.2	2.1	5 (≤25)	-
Xylenes, total	1.2	1.0	18 (≤25)	-
o-Xylene	3.7	3.2	14 (≤25)	-
Xylenes, total	4.9	4.2	15 (≤25)	-
cis-1,2-Dichloroethene	72	58	22 (≤25)	-
1,2-Dichloroethene, total	74	60	21 (≤25)	-
Acetone	1.9	1.5U	24 (≤25)	-
sec-Butylbenzene	0.99	1.0	1 (≤25)	-
Isopropylbenzene	1.8	1.8	0 (≤25)	-
Naphthalene	0.82	0.70U	16 (≤25)	-
n-Propylbenzene	0.76	0.77	1 (≤25)	-
1,2,4-Trimethylbenzene	3.9	3.2	20 (≤25)	-
p-Diethylbenzene	2.8	3.5	22 (≤25)	-
p-Ethyltoluene	1.1	1.1	0 (≤25)	-
1,2,4,5-Tetramethylbenzene	1.3	1.5	14 (≤25)	-

- =no action required

For RPDs >25; estimate (J) results in the field duplicate pair.

The positive result for vinyl chloride was qualified as estimated due to high RPD in field duplicate results for samples MW-13 and DUPE001. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the minimum detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Form 1
Volatile Organics

Client	: P. W. Grosser	Lab Number	: L1609110
Project Name	: 3140 CONEY IS., AVE	Project Number	: CIR1601
Lab ID	: L1609110-04	Date Collected	: 03/29/16 11:00
Client ID	: MW-13	Date Received	: 03/30/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/05/16 15:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0405A12	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	8.1	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U UJ
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U UJ
71-43-2	Benzene	0.51	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U U
100-41-4	Ethylbenzene	1.7	2.5	0.70	J J
74-87-3	Chloromethane	ND	2.5	0.70	U UJ
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	98	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U U

04/26/16

Form 1
Volatile Organics

Client	: P. W. Grosser	Lab Number	: L1609110
Project Name	: 3140 CONEY IS., AVE	Project Number	: CIR1601
Lab ID	: L1609110-04	Date Collected	: 03/29/16 11:00
Client ID	: MW-13	Date Received	: 03/30/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/05/16 15:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0405A12	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	2.3	2.5	0.70	J J
79-01-6	Trichloroethene	2.2	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U UJ
179601-23-1	p/m-Xylene	1.2	2.5	0.70	J J
95-47-6	o-Xylene	3.7	2.5	0.70	
1330-20-7	Xylenes, Total	4.9	2.5	0.70	J J
156-59-2	cis-1,2-Dichloroethene	72	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	74	2.5	0.70	J J
74-95-3	Dibromomethane	ND	5.0	1.0	U U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U UJ
107-13-1	Acrylonitrile	ND	5.0	1.5	U U
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U UJ
67-64-1	Acetone	1.9	5.0	1.5	J J
75-15-0	Carbon disulfide	ND	5.0	1.0	U UJ
78-93-3	2-Butanone	ND	5.0	1.9	U U
108-05-4	Vinyl acetate	ND	5.0	1.0	U U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U UJ
74-97-5	Bromochloromethane	ND	2.5	0.70	U U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

04/26/16

Form 1
Volatile Organics

Client	: P. W. Grosser	Lab Number	: L1609110
Project Name	: 3140 CONEY IS., AVE	Project Number	: CIR1601
Lab ID	: L1609110-04	Date Collected	: 03/29/16 11:00
Client ID	: MW-13	Date Received	: 03/30/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/05/16 15:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0405A12	Instrument ID	: GONZO.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U U
135-98-8	sec-Butylbenzene	0.99	2.5	0.70	J J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.8	2.5	0.70	J J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U U
91-20-3	Naphthalene	0.82	2.5	0.70	J J
103-65-1	n-Propylbenzene	0.76	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U U
95-63-6	1,2,4-Trimethylbenzene	3.9	2.5	0.70	
123-91-1	1,4-Dioxane	ND	250	41.	U UJ
105-05-5	p-Diethylbenzene	2.8	2.0	0.70	
622-96-8	p-Ethyltoluene	1.1	2.0	0.70	J J
95-93-2	1,2,4,5-Tetramethylbenzene	1.3	2.0	0.65	J J
60-29-7	Ethyl ether	ND	2.5	0.70	U U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

04/26/16

LDC #: 36234A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/25/16
SDG #: L1609110 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW/SW	%RSD ≤ 20, 1st ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB = Field Blank TB = Trip Blank
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	MW-15 MS ID (%R, %RPD NO Assoc Sample)
IX.	Laboratory control samples	A	LCS ID
X.	Field duplicates	SW	D = 1 + DUPE001
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Result < RL > MDL = Jdet
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-13	L1609110-04	Water	03/29/16
2				
3				
4				
5				
6				
7				
8				

Notes:

1	WG880523-3 Blank						

LDC #: 36234A1

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of > 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) < 30% or percent recoveries (%R) 70-130%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			

LDC #: 36234A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: AV

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓	✓	FD	
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?				
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,-3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 36234 A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: AL

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	2/27/16	ICAL-Gon30	HHH		0.00176 (< 0.005)	All	J/UJ/A (ND)

LDC #: 36234A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: OK

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?
Y N N/A Were all %D within the validation criteria of ≤20 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	2/27/16	ICV-GON30	JJ	39.42698	All	J/UJ/A (ND)
			KK	32.37200		
			G	31.77613	↓	↓
			O	43.34937		
			X	30.71861		

LDC #: 36234A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y (N) N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y (N) N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	4/5/16	CCV	A	27.31417		all	J/UJ/A (ND+DET)
			B	41.90739			
			G	21.63674			
			LL	26.10182			
			HHH	30.74911			
			Y	25.43015			
			Z	27.65507			
			BB	21.99798			
			XX	25.18806			
			MMM	26.46196			
			NNN	22.39526			
			HHH		0.00122 (≥0.005)	↓	↓

LDC#: 36234A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: EJ
2nd Reviewer: AL

METHOD: GCMS VOA (EPA SW 846 Method 8260C)

Compound	Concentration (ug/L)		(≤25)	Qual
	1	DUPE001	RPD	
AA	8.1	9.3	14	
V	0.51	0.46	10	
EE	1.7	1.6	6	
C	98	74	28	Jdet/A
PPP	2.3	2.1	9	
S	2.2	2.1	5	
GG	1.2	1.0	18	
SSS	3.7	3.2	14	
GG	4.9	4.2	15	
QQQ	72	58	22	
J	74	60	21	
F	1.9	1.5U	24	
EEE	0.99	1.0	1	
VV	1.8	1.8	0	
MMM	0.82	0.70U	16	
YY	0.76	0.77	1	
DDD	3.9	3.2	20	
p-Diethylbenzene	2.8	3.5	22	
p-Ethyltoluene	1.1	1.1	0	
1,2,4,5-Tetramethylbenzene	1.3	1.5	14	

V:\FIELD DUPLICATES\36234A1.wpd

LDC #: 36234 A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (30 std)	Recalculated RRF (30 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL Gon30	2/27/16	C (1st internal standard)	0.18783	0.18783	0.16993	0.16993	10.57758	10.57758
			EE (2nd internal standard)	1.77035	1.77035	1.66017	1.66017	8.56552	8.56552
			WJ (3rd internal standard)	1.37721	1.37721	1.37068	1.37068	1.91048	1.91048
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36234A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: OL

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0932	4/5/16	C (1st internal standard)	0.16993	0.15378	0.15378	.10 ≈ 9.503	9.503
			EE (2nd internal standard)	1.66017	1.4782	1.4782	11 ≈ 10.958	10.958
			JJJ (3rd internal standard)	1.37068	1.1487	1.1487	16 ≈ 16.1909	16.191
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36234A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	100.0	99.59	100	100	0
1,2-Dichloroethane-d4		105.498	105	105	
Toluene-d8		99.3287	99	99	
Bromofluorobenzene		94.925	95	95	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 36234 A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD sample: MW-15 MS/MSD

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10	10	ND	11.3	9.5	113	113	95	95	~~57~~ 15	15
Trichloroethene	↓	|	0.67	11.036	9.4	104	104	88	88	16	16
Benzene	10	|	ND	10.8	9.4	108	108	94	94	16	16
Toluene	|	|	|	10.3	8.9	103	103	89	89	12	12
Chlorobenzene	↓	↓	↓	9.9	8.8	99	99	88	88	12	12

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36234A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer: AT

METHOD: GC/MS VOA (EPA Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG880523-1+2 was ID

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	9.1	8.9	91	91	89	89	2	2
Trichloroethene			8.9	8.7	89	89	87	87	2	2
Benzene			8.8	8.8	88	88	88	88	0	0
Toluene			8.7	8.8	87	87	88	88	1	1
Chlorobenzene			8.5	8.7	86	86	87	87	1	1

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36234A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1 , C :

Conc. = $\frac{2209002\ (100)}{1320642\ (0.16993)\ (10)}$

= 98 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

Site:	Former Brighton Cleaners
Laboratory:	Alpha Analytical
Report No.:	L1609182
Reviewer:	Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date:	April 26, 2016

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
INFLUENT	L1609182-01	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed air sample was collected on March 29, 2016 and was analyzed for volatile organic compounds (VOCs) by method TO-15. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (June 2014) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-014-002 (August 2014), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All criteria were met.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL).

Due to sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
INFLUENT	2.216-fold dilution

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Form 1
Volatile Organics

Client	: P. W. Grosser	Lab Number	: L1609182
Project Name	: 3140 CONEY IS. AVE	Project Number	: CIR1601
Lab ID	: L1609182-01D	Date Collected	: 03/29/16 08:57
Client ID	: INFLUENT	Date Received	: 03/30/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/07/16 03:47
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2.216
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R240126	Instrument ID	: AIRPIANO2
Sample Amount	: 113 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.443	--	ND	2.19	--	U
74-87-3	Chloromethane	ND	0.443	--	ND	0.915	--	U
76-14-2	Freon-114	ND	0.443	--	ND	3.10	--	U
75-01-4	Vinyl chloride	ND	0.443	--	ND	1.13	--	U
106-99-0	1,3-Butadiene	ND	0.443	--	ND	0.980	--	U
74-83-9	Bromomethane	ND	0.443	--	ND	1.72	--	U
75-00-3	Chloroethane	ND	0.443	--	ND	1.17	--	U
64-17-5	Ethanol	ND	11.1	--	ND	20.9	--	U
593-60-2	Vinyl bromide	ND	0.443	--	ND	1.94	--	U
67-64-1	Acetone	3.45	2.22	--	8.20	5.27	--	
75-69-4	Trichlorofluoromethane	ND	0.443	--	ND	2.49	--	U
67-63-0	Isopropanol	ND	1.11	--	ND	2.73	--	U
75-35-4	1,1-Dichloroethene	ND	0.443	--	ND	1.76	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.11	--	ND	3.36	--	U
75-09-2	Methylene chloride	ND	1.11	--	ND	3.86	--	U
107-05-1	3-Chloropropene	ND	0.443	--	ND	1.39	--	U
75-15-0	Carbon disulfide	ND	0.443	--	ND	1.38	--	U
76-13-1	Freon-113	ND	0.443	--	ND	3.40	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.443	--	ND	1.76	--	U
75-34-3	1,1-Dichloroethane	ND	0.443	--	ND	1.79	--	U
1634-04-4	Methyl tert butyl ether	ND	0.443	--	ND	1.60	--	U
78-93-3	2-Butanone	ND	1.11	--	ND	3.27	--	U
156-59-2	cis-1,2-Dichloroethene	14.6	0.443	--	57.9	1.76	--	
141-78-6	Ethyl Acetate	ND	1.11	--	ND	4.00	--	U
67-66-3	Chloroform	0.900	0.443	--	4.40	2.16	--	
109-99-9	Tetrahydrofuran	ND	1.11	--	ND	3.27	--	U
107-06-2	1,2-Dichloroethane	ND	0.443	--	ND	1.79	--	U
110-54-3	n-Hexane	ND	0.443	--	ND	1.56	--	U

CL 4/26/16

Form 1
Volatile Organics

Client	: P. W. Grosser	Lab Number	: L1609182
Project Name	: 3140 CONEY IS. AVE	Project Number	: CIR1601
Lab ID	: L1609182-01D	Date Collected	: 03/29/16 08:57
Client ID	: INFLUENT	Date Received	: 03/30/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/07/16 03:47
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2.216
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R240126	Instrument ID	: AIRPIANO2
Sample Amount	: 113 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
71-55-6	1,1,1-Trichloroethane	ND	0.443	--	ND	2.42	--	U
71-43-2	Benzene	ND	0.443	--	ND	1.42	--	U
56-23-5	Carbon tetrachloride	ND	0.443	--	ND	2.79	--	U
110-82-7	Cyclohexane	ND	0.443	--	ND	1.52	--	U
78-87-5	1,2-Dichloropropane	ND	0.443	--	ND	2.05	--	U
75-27-4	Bromodichloromethane	ND	0.443	--	ND	2.97	--	U
123-91-1	1,4-Dioxane	ND	0.443	--	ND	1.60	--	U
79-01-6	Trichloroethene	5.67	0.443	--	30.5	2.38	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.443	--	ND	2.07	--	U
142-82-5	Heptane	ND	0.443	--	ND	1.82	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.443	--	ND	2.01	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.11	--	ND	4.55	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.443	--	ND	2.01	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.443	--	ND	2.42	--	U
108-88-3	Toluene	ND	0.443	--	ND	1.67	--	U
591-78-6	2-Hexanone	ND	0.443	--	ND	1.82	--	U
124-48-1	Dibromochloromethane	ND	0.443	--	ND	3.77	--	U
106-93-4	1,2-Dibromoethane	ND	0.443	--	ND	3.40	--	U
127-18-4	Tetrachloroethene	87.4	0.443	--	593	3.00	--	
108-90-7	Chlorobenzene	ND	0.443	--	ND	2.04	--	U
100-41-4	Ethylbenzene	ND	0.443	--	ND	1.92	--	U
179601-23-1	p/m-Xylene	ND	0.886	--	ND	3.85	--	U
75-25-2	Bromoform	ND	0.443	--	ND	4.58	--	U
100-42-5	Styrene	ND	0.443	--	ND	1.89	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.443	--	ND	3.04	--	U
95-47-6	o-Xylene	ND	0.443	--	ND	1.92	--	U
622-96-8	4-Ethyltoluene	ND	0.443	--	ND	2.18	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.443	--	ND	2.18	--	U

4/12/16

Form 1
Volatile Organics

Client	: P. W. Grosser	Lab Number	: L1609182
Project Name	: 3140 CONEY IS. AVE	Project Number	: CIR1601
Lab ID	: L1609182-01D	Date Collected	: 03/29/16 08:57
Client ID	: INFLUENT	Date Received	: 03/30/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/07/16 03:47
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2.216
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R240126	Instrument ID	: AIRPIANO2
Sample Amount	: 113 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
95-63-6	1,2,4-Trimethylbenzene	ND	0.443	--	ND	2.18	--	U
100-44-7	Benzyl chloride	ND	0.443	--	ND	2.29	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.443	--	ND	2.66	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.443	--	ND	2.66	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.443	--	ND	2.66	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.443	--	ND	3.29	--	U
87-68-3	Hexachlorobutadiene	ND	0.443	--	ND	4.73	--	U

4/26/16

LDC #: 36234B48 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/26/16
SDG #: L1609182 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD/ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 30
V.	Laboratory Blanks / canister check per batch	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	not required
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	no Result < RL > MDL
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	INFLUENT 2.216 x DL	L1609182-01	Air	03/29/16
2				
3				
4				
5				
6				
7				
8				

Notes:

	WG881041-4MB						

LDC #: 36234B4V

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: AV

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was canister pressure criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 24 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%?	✓			
IIIb. Initial calibration verificattion				
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	✓			
Were all percent differences (%D) ≤ 30% or percent recoveries (%R) 70-130%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 30% or percent recoveries (%R) 70-130%?	✓			
V. Laboratory Blanks/Canister Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
Was a canister blank analyzed for every canister? per batch	✓			
Was there contamination in the canister blanks? If yes, please see the Canister Blanks validation completeness worksheet.		✓		
VI. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes (Optional)				
Were all surrogate percent recoveries (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Laboratory Duplicate				
Was a laboratory duplicate analyzed for this SDG?			✓	
Were the relative percent differences (RPD) within the QC limits?			✓	

LDC #: 36234B4

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: CA

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within ± 40% from the associated calibration standard?	✓			
Were retention times within ± 20.0 seconds from the associated calibration standard?	✓			
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 36234B48

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA Method TO-15)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (10 std)	RRF (10 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	ICAL	3/23/16	C	0.690	0.690	0.7282	0.7282	12.40	12.40
			V	0.909	0.909	0.9924	0.9924	11.58	11.58
			CC	6.763	6.763	7.0894	7.0894	12.04	12.04
2									
3									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36234B4J

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 1R
2nd Reviewer: 2R

METHOD: GC/MS VOA (EPA TO-15)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 3:12	4/6/16	C	0.7282	0.669	0.669	8.1	8.1
			V	0.9924	0.925	0.925	6.8	6.8
			CC	7.0894	6.087	6.087	14.1	14.1
2								
3								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36234B48

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: EJ
2nd reviewer:

METHOD: GC/MS VOA (EPA Method TO-15)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1 , QQQ

Conc. = $\frac{101987 \quad (10) \quad (2.216)}{145860 \quad (1.0630)}$

=

14.57 ppbV

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification
	ug/m3 =	$\frac{(96.94)(14.57)}{24.46}$ =	57.74 ug/m3		

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Mr. Ryan Morley

July 28, 2016

SUBJECT: Coney Island, Data Usability Summary Report

Dear Mr. Morley,

Enclosed is the final data usability summary report for the fraction listed below. This SDG was received on July 8, 2016. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #36650:

SDG #	Fraction
L1619370	Volatiles

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SOP HW-24, Revision 4, October 2014
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-014-002, August 2014
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
Project Manager/Chemist

712 pages-DL

Attachment 1

Selected Samples

LDC #36650 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(2) DATE DUE	VOA (8260C)																															
Matrix:	Air/Water/Soil			A	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1619370	07/08/16	07/22/16	1	0																														
Total	A/CR			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Shaded cells indicate CAT B validation (all other cells are Level III validation). These sample counts do not include MS, MSD, or DUP's.

L:\PW Grosser\Coney Island\36650ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical
Report No.: L1619370
Reviewer: Josephine Go and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: July 28, 2016

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MLWELL(15-20')	L1619370-07	VOC
MLWELL(15-20')MS	L1619370-07MS	VOC
MLWELL(15-20')MSD	L1619370-07MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: TRIPBLANK, FIELDBLANK
Field Duplicate pair: None

The above-listed water sample was collected on March 29, 2016 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry,* SOP HW-24, Revision 4 (October 2014) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-014-002 (August 2014), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix and laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Criteria)	Associated Samples		Validation Action
06/20/16	ICAL	1,4-Dioxane	0.00053 (≥0.005)	MLWELL(15-20')	+	UJ nondetects

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
06/21/16	V011160621A01	1,4-Dioxane	37.7	MLWELL(15-20')	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The result for the sample listed above was estimated due to relative response factor and initial calibration verification exceedances. The bias cannot be determined. The result can be used for project objectives as nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
06/30/16	NG909417-2	Dichlorodifluoromethane	34.3	MLWELL(15-20')	XX	UJ nondetect
		Chloromethane	35.5		XX	UJ nondetect
		Bromomethane	24.7		XX	UJ nondetect
		Iodomethane	44.8		XX	UJ nondetect
		4-Methyl-2-pentanone	28.9		XX	UJ nondetect
		2-Hexanone	28.5		XX	UJ nondetect
		trans-1,4-Dichloro-2-butene	29.4		XX	UJ nondetect
06/30/16	NG909417-2	Vinyl chloride	27.4	MLWELL(15-20')	XX	J detect

Date	Instrument ID	Compound	RRF (Criteria)	Associated Samples		Validation Action
06/30/16	NG909417-2	1,4-Dioxane	0.00045 (≥0.005)	MLWELL(15-20')	+	UJ nondetect

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the sample listed above were estimated due to relative response factor and continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as detects with estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was detected in the associated VOC method blank sample. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limit (RL) (for common contaminants) and <RL (for other contaminants). The following table summarizes the contamination detected.

Blank ID	Compound TIC (RT in minutes)	Level Detected	Action Level	Associated Samples
WG909417-5BLANK	Bromomethane	2.6 ug/L	RL	MLWELL(15-20')

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample result was nondetect.

No positive results were found in the trip blank sample TRIPBLANK for VOC analysis.

Contamination was detected in the field blank sample FIELDBLANK for the VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FIELDBLANK	Vinyl chloride	0.08 ug/L	RL	MLWELL(15-20')

No samples were qualified since the associated sample result was greater than the action level.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

The laboratory performed MS and MSD analyses on sample MLWELL(15-20') for VOC analysis. The following table lists the analytes which exhibited recoveries outside of the control limits in the MS/MSD and the resulting validation actions.

MS Sample	Compound	MS %R	MSD %R	RPD (Limits)	QC Limits	Associated Samples	Validation Actions
MLWELL(15-20')MS/MSD	Acetone	50	-	-	58-148	MLWELL(15-20')	J detects
MLWELL(15-20')MS/MSD	1,2-Dibromo-3-chloropropane	-	150	-	41-144	MLWELL(15-20')	None
	Naphthalene	160	200	-	70-130		None
	1,2,3-Trichlorobenzene	160	210	-	70-130		None
	1,2,4-Trichlorobenzene	140	150	-	70-130		None
MLWELL(15-20')MS/MSD	Bromomethane	-	-	23 (≤20)	-	MLWELL(15-20')	None
	1,2-Dibromo-3-chloropropane	-	-	22 (≤20)	-		None
	Naphthalene	-	-	22 (≤20)	-		None
	1,2,3-Trichlorobenzene	-	-	27 (≤20)	-		None
	1,4-Dioxane	-	-	68 (≤20)	-		None

- Within limits

The acetone result may be biased low due to low percent recovery. The result can be used for project objectives as detect with an estimated value (J) which may have a minor impact on the data usability.

Validation action was not required for 1,2-dibromo-3-chloropropane, naphthalene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, bromomethane, and 1,4-dioxane due to high MS/MSD recoveries and relative percent differences as positive results only are affected and this compound was not detected in the associated sample.

LCS Results

The following table lists the compounds recovered outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
WG909417/3,4	2-Butanone	-	-	21 (≤20)	MLWELL(15-20')	UJ nondetects
	1,4-Dioxane	-	-	42 (≤20)		UJ nondetects

- Within limits

Estimate the nondetect 2-butanone and 1,4-dioxane results for the sample listed above due to high LCS/LCSD relative percent difference. Biased cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the minimum detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1619370
Project Name	: 3140 CONEY IS. AVE.	Project Number	: CIR1601
Lab ID	: L1619370-07	Date Collected	: 06/22/16 10:00
Client ID	: MLWELL (15-20')	Date Received	: 06/23/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 06/30/16 18:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160630A19	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.49 J	0.50	0.18	J
108-90-7	Chlorobenzene	ND U	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	32 J	1.0	0.07	
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND U	0.50	0.14	U

07/28/16

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1619370
Project Name	: 3140 CONEY IS. AVE.	Project Number	: CIR1601
Lab ID	: L1619370-07	Date Collected	: 06/22/16 10:00
Client ID	: MLWELL (15-20')	Date Received	: 06/23/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 06/30/16 18:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160630A19	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.4 J	2.5	0.70	J
79-01-6	Trichloroethene	0.43 J	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND U	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	20	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	21 J	2.5	0.70	J
74-95-3	Dibromomethane	ND U	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	68 J	5.0	1.5	
75-15-0	Carbon disulfide	ND U	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

07/28/16

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1619370
Project Name	: 3140 CONEY IS. AVE.	Project Number	: CIR1601
Lab ID	: L1619370-07	Date Collected	: 06/22/16 10:00
Client ID	: MLWELL (15-20')	Date Received	: 06/23/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 06/30/16 18:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160630A19	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND U	2.5	0.70	U
123-91-1	1,4-Dioxane	ND UJ	250	41.	U
105-05-5	p-Diethylbenzene	ND U	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND U	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	5.8	2.0	0.65	
60-29-7	Ethyl ether	ND U	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND UJ	2.5	0.70	U

7/28/16

LDC #: 36650A1
SDG #: L1619370
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 07/12/16
Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW / SW	ICAL ≤ 20% r ICV ≤ 30%
IV.	Continuing calibration	SW	CCV ≤ 20%
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	TB = * TRIP BLANK FB = FIELD BLANK
VII.	Surrogate spikes	* A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS / D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
* ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank
SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1 +	MLWELL(15-20')	L1619370-07	Water	06/22/16
2	1MS	MS		
3	1MSD	MSD		
4				
5				
6				
7				
8				

Notes:

*	WG 909417-5 BLK						

LDC #: 36650 A1

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [signature]

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓	✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30% or percent recoveries (%R) 70-130%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?	✓			
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			

VALIDATION FINDINGS CHECKLIST

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?

Y N N/A Were percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within the method criteria?

Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation? $r^2 \geq 0.99$

Y N N/A Did the initial calibration meet the acceptance criteria?

#	Date	Standard ID	Compound	Finding %RSD (Limit: <20.0)	Finding RRF (Limit)	Associated Samples	Qualifications
	06/20/16	ICAL	~~ZZZ~~		~~0.00559 (≥0.01)~~	All (ND)	J/UJ A
			HHHH		0.00053 (≥0.005)	↓ ↓	↓

INICAL.wpd

LDC #: 36650A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤30 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	06/21/16	V0711606Z1A01	4H4H	37.7	All (ND)	J/UJ/A

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	06/30/16	NG909417-2	JJ	34.3		All (ND)	J (UJ)
			A	35.5			
			C	27.4			
			B	24.7			
			~~NNNN~~	~~45.8~~			
			Y	28.9			
			Z	28.5			
			YYYY	29.4			
			~~ZZZ~~		~~0.00568 (≥0.01)~~		
			HHHH		0.00045 (≥0.005)		

CONCAL.wpd

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 06/30/16
Conc. units: ug/L Associated Samples: All (MD)

Compound	Blank ID	Sample Identification								
WG	909417-5BLANK									
B	2.6									

Blank analysis date:
Conc. units: Associated Samples:

Compound	Blank ID	Sample Identification								

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

(Y) N N/A Were field blanks identified in this SDG?

Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L

Sampling date: 06/22/16

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:_____ Associated Samples: All (> CRQL)

Compound	Blank ID	Sample Identification								
[illegible]	FIELD BLANK									
C	0.08									

Blank units:_____ **Associated sample units:**_____

Sampling date:_____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other:_____ Associated Samples:_____

Compound	Blank ID	Sample Identification								
[illegible]										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 36650 A

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: JVG
2nd Reviewer:

METHOD : GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		2/3	F	50 (58-148)	( )	( )	1 (Det)	J /UJ /A
			MM	( )	150 (41-144)	( )	(ND)	J dets /A
			MMM	160 (70-130)	200 (70-130)	( )		
			NNN	160 (70-130)	210 (70-130)	( )		
			KKK	140 (↓)	150 (↓)	( )		
			B	( )	( )	23 (20)		
			MM	( )	( )	22 ( )		
			MMM	( )	( )	22 ( )		
			NNN	( )	( )	27 ( )		
			HHH	( )	( )	68 (↓)		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		WG909417/3,4	~~222~~	( )	( )	~~24~~ (~~20~~)	All (ND)	J/UJ/P
			M	( )	( )	21 (~~20~~)		
			HHHH	( )	( )	92 ( )		
			~~NNNN~~	( )	( )	~~24~~ (✓)		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 36650A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound
S= Standard deviation of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 10 std)	Recalculated RRF (RRF 10 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL VOA101	6/20/2016	Vinyl chloride (FBZ)	0.282	0.282	0.270	0.270	7.33	7.39
			Ethylbenzene (CBZ)	1.505	1.505	1.454	1.454	5.33	5.32
			1,1,2,2-TCA (DCB)	0.324	0.324	0.320	0.320	3.93	3.86

LDC # 36650A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	WG909417-2	6/30/2016	Vinyl chloride (FBZ)	0.270	0.196	0.196	27.4	27.4
			Ethylbenzene (CBZ)	1.454	1.251	1.251	14.0	14.0
			1,1,2,2-TCA (DCB)	0.320	0.273	0.273	14.7	14.7

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.475	105	105	0
1,2-Dichloroethane-d4	↓	10.435	104	104	↓
Toluene-d8		8.863	89	89	
Bromofluorobenzene	↓	9.204	92	92	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 36650 A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSC | * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD sample: 2/3

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L) (from raw data)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	0	11.53	12.16	120	115	120	122	0	5
Trichloroethene	↓	↓	0.43	11.735	12.27	120	113	120	118	0	4
Benzene	↓	↓	0	10.84	11.32	110	108	110	113	0	4
Toluene	↓	↓	↓	9.83	10.148	98	98	100	101	2	3
Chlorobenzene	↓	↓	↓	10.47	10.71	100	104	110	107	10	3

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Lab rounded off values before calculating %R and %RPD

LDC #: 36650A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG909417-3,4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	9.2	9.7	92	92	98	97	5	5
Trichloroethene			9.5	9.9	95	95	99	99	4	4
Benzene			9.0	9.5	90	90	95	95	5	5
Toluene			8.4	8.7	84	84	87	87	4	4
Chlorobenzene	↓	↓	8.9	9.3	89	89	93	93	4	4

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 36650A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JVG
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 1 , Vinylchloride

Conc. = $\frac{(418709)(10)(\quad)(\quad)}{(476537)(0.270)(\quad)(\quad)}$

= 32.54 ug/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration ( )	Qualification
	1	C	32		

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Ms. Jennifer Lewis

October 28, 2016

SUBJECT: Coney Island, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed is the final data usability summary reports for the fraction listed below. This SDG were received on October 24, 2016. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #37316:

SDG #	Fraction
L1629516	Volatiles

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SOP HW-24, Revision 4, October 2014
- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-014-002, August 2014
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007: update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
Project Manager/Chemist

979 pages-DL 1 WEEK TAT Attachment 1

LDC #37316 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(2) DATE DUE	VOA (8260C)																															
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1629516	10/24/16	10/31/16	12	0																														
Total	T/CR			12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12

Shaded cells indicate CAT B validation (all other cells are Level III validation). These sample counts do not include MS, MSD, or DUP's.

L:\PW Grosser\Coney Island\37316ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical
Report No.: L1629516
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: October 27, 2016

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-14	L1629516-05	VOC
MW-14MS	L1629516-05MS	VOC
MW-14MSD	L1629516-05MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: TRIP BLANK, FIELD BLANK
Field Duplicate pair: None Associated

The above-listed water samples were collected on September 16, 2016 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry,* SOP HW-24, Revision 4 (October 2014) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-014-002 (August 2014), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix and laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
08/08/16	ICV	Dichlorodifluoromethane Chloromethane	39.0 34.3	MW-14	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The result for the sample listed above was estimated due to initial calibration verification exceedances. The bias cannot be determined. The result can be used for project objectives as nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/26/16	CCV	4-Methyl-2-pentanone	23.8	MW-14	XX	UJ nondetect
		2-Hexanone	26.1		XX	UJ nondetect
		1,2-Dibromo-3-chloropropane	21.6		XX	UJ nondetect
		1,2,4-Trichlorobenzene	31.4		XX	UJ nondetect
		Naphthalene	41.6		XX	UJ nondetect
		1,2,3-Trichlorobenzene	29.2		XX	UJ nondetect

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the sample listed above were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was detected in the associated VOC method blank sample. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limit (RL) (for common contaminants) and <RL (for other contaminants). The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG935928-5BLANK	Bromomethane	0.84 ug/L	RL	MW-14

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample result was nondetect.

No positive results were found in the trip blank sample TRIP BLANK and field blank sample FIELD BLANK for VOC analysis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

The laboratory performed MS and MSD analyses on sample MLWELL(15-20') for VOC analysis. The following table lists the analytes which exhibited recoveries outside of the control limits in the MS/MSD and the resulting validation actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Validation Actions
Methylene chloride	-	35 (70-130)	-	MW-14	UJnondetects
1,1-Dichloroethane	-	38 (70-130)	-		UJnondetects
Chloroform	-	39 (70-130)	-		UJnondetects
Carbon tetrachloride	-	40 (63-132)	-		UJnondetects
1,2-Dichloropropane	-	35 (70-130)	-		UJnondetects
Dibromochloromethane	-	35 (63-130)	-		UJnondetects
1,1,2-Trichloroethane	-	36 (70-130)	-		UJnondetects
Tetrachloroethene	55 (70-130)	35 (70-130)	-		Jdetects
Chlorobenzene	-	37 (75-130)	-		UJnondetects
Trichlorofluoromethane	-	42 (62-150)	-		UJnondetects
1,2-Dichloroethane	-	34 (70-130)	-		UJnondetects
1,1,1-Trichloroethane	-	42 (67-130)	-		UJnondetects
Bromodichloromethane	-	34 (67-130)	-		UJnondetects
trans-1,3-Dichloropropene	-	34 (70-130)	-		UJnondetects
cis-1,3-Dichloropropene	-	30 (70-130)	-		UJnondetects
1,1-Dichloropropene	-	40 (70-130)	-		UJnondetects
Bromoform	-	36 (54-136)	-		UJnondetects
1,1,2,2-Tetrachloroethane	-	36 (67-130)	-		UJnondetects
Benzene	-	40 (70-130)	-		UJnondetects
Toluene	-	42 (70-130)	-		UJnondetects
Ethylbenzene	-	41 (70-130)	-		UJnondetects
Chloromethane	-	44 (64-130)	-		UJnondetects
Bromomethane	22 (39-139)	19 (39-139)	-		UJnondetects
Vinyl chloride	-	5 (55-140)	34(≤20)		Jdetects
1,1-Dichloroethene	-	48 (61-145)	71 (≤20)		Jdetects
trans-1,2-Dichloroethene	-	46 (70-130)	-		UJnondetects
Trichloroethene	-	36 (70-130)	46 (≤20)		Jdetects
1,2-Dichlorobenzene	-	35 (70-130)	-		UJnondetects
1,3-Dichlorobenzene	65 (70-130)	38 (70-130)	-		UJnondetects
1,4-Dichlorobenzene	65 (70-130)	36 (70-130)	-		UJnondetects
Methyl-tert-butyl ether	-	36 (63-130)	-		UJnondetects
m,p-Xylenes	-	40 (70-130)	-		UJnondetects
o-Xylene	-	38 (70-130)	-		UJnondetects
Dibromomethane	-	34 (70-130)	-		UJnondetects
1,2,3-Trichloropropane	-	38 (64-130)	-		UJnondetects
Acrylonitrile	-	33 (70-130)	-		UJnondetects
Styrene	-	38 (70-130)	-		UJnondetects
Dichlorodifluoromethane	-	28 (36-147)	-		UJnondetects
Acetone	-	36 (58-148)	-		UJnondetects
Carbon disulfide	-	46 (51-130)	-		UJnondetects
2-Butanone	-	33 (63-138)	-		UJnondetects
Vinyl acetate	-	34 (70-130)	-		UJnondetects
4-Methyl-2-pentanone	-	31 (59-130)	-		UJnondetects
2-Hexanone	-	28 (57-130)	-		UJnondetects

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Validation Actions
Bromochloromethane	-	35 (70-130)	-	MW-14	UJnondetects
2,2-Dichloropropane	-	45 (63-133)	-		UJnondetects
1,2-Dibromoethane	-	34 (70-130)	-		UJnondetects
1,3-Dichloropropane	-	34 (70-130)	-		UJnondetects
1,1,2,2-Tetrachloroethane	-	35 (64-130)	-		UJnondetects
Bromobenzene	-	37 (70-130)	-		UJnondetects
n-Butylbenzene	50 (53-136)	41 (53-136)	-		UJnondetects
sec-Butylbenzene	55 (70-130)	46 (70-130)	-		UJnondetects
tert-Butylbenzene	55 (70-130)	40 (70-130)	-		UJnondetects
o-Chlorotoluene	-	45 (70-130)	-		UJnondetects
p-Chlorotoluene	-	42 (70-130)	-		UJnondetects
1,2-Dibromo-3-chloropropane	-	30 (41-144)	-		UJnondetects
Hexachlorobutadiene	48 (63-130)	46 (63-130)	-		UJnondetects
Isopropylbenzene	65 (70-130)	46 (70-130)	-		UJnondetects
p-Isopropyltoluene	55 (70-130)	43 (70-130)	-		UJnondetects
Naphthalene	-	26 (70-130)	-		UJnondetects
n-Propylbenzene	65 (69-130)	46 (69-130)	-		UJnondetects
1,2,3-Trichlorobenzene	60 (70-130)	28 (70-130)	-		UJnondetects
1,2,4-Trichlorobenzene	55 (70-130)	28 (70-130)	-		UJnondetects
1,3,5-Trimethylbenzene	-	44 (64-130)	-		UJnondetects
1,2,4-Trimethylbenzene	-	42 (70-130)	-		UJnondetects
1,4-Dioxane	-	16 (56-162)	-		UJnondetects
p-Diethylbenzene	55 (70-130)	38 (70-130)	-		UJnondetects
p-Ethyltoluene	65 (70-130)	44 (70-130)	-		UJnondetects
1,2,4,5-Tetramethylbenzene	60 (70-130)	35 (70-130)	53 (≤20)		Jdetects
Ethyl ether	-	34 (59-137)	-		UJnondetects
trans-1,4-Dichloro2-butene	-	36 (70-130)	-		UJnondetects
Methylene chloride	See above	See above	103 (≤20)	MW-14	None
1,1-Dichloroethane	See above	See above	93 (≤20)		None
Chloroform	See above	See above	88 (≤20)		None
Carbon tetrachloride	See above	See above	56 (≤20)		None
1,2-Dichloropropane	See above	See above	88 (≤20)		None
Dibromochloromethane	See above	See above	92 (≤20)		None
1,1,2-Trichloroethane	See above	See above	93 (≤20)		None
Chlorobenzene	See above	See above	68 (≤20)		None
Trichlorofluoromethane	See above	See above	56 (≤20)		None
1,2-Dichloroethane	See above	See above	95 (≤20)		None
1,1,1-Trichloroethane	See above	See above	73 (≤20)		None
Bromodichloromethane	See above	See above	93 (≤20)		None
trans-1,3-Dichloropropene	See above	See above	87 (≤20)		None
cis-1,3-Dichloropropene	See above	See above	91 (≤20)		None
1,1-Dichloropropene	See above	See above	60 (≤20)		None
Bromoform	See above	See above	90 (≤20)		None
1,1,2,2-Tetrachloroethane	See above	See above	94 (≤20)		None
Benzene	See above	See above	83 (≤20)		None
Toluene	See above	See above	68 (≤20)		None
Ethylbenzene	See above	See above	52 (≤20)		None
Chloromethane	See above	See above	87 (≤20)		None

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Validation Actions
Chloroethane	See above	See above	78 (≤20)	MW-14	None
trans-1,2-Dichloroethene	See above	See above	77 (≤20)		None
Dichlorodifluoromethane	See above	See above	67 (≤20)		None
1,3-Dichlorobenzene	See above	See above	54 (≤20)		None
1,2-Dichlorobenzene	See above	See above	57 (≤20)		None
Methyl-tert-butyl ether	See above	See above	106 (≤20)		None
m,p-Xylenes	See above	See above	55 (≤20)		None
o-Xylene	See above	See above	67 (≤20)		None
cis-1,3-Dichloropropene	See above	See above	91 (≤20)		None
1,2,3-Trichloropropane	See above	See above	85 (≤20)		None
Acrylonitrile	See above	See above	97 (≤20)		None
Styrene	See above	See above	70 (≤20)		None
Dichlorodifluoromethane	See above	See above	54 (≤20)		None
Acetone	See above	See above	99 (≤20)		None
Carbon disulfide	See above	See above	70 (≤20)		None
2-Butanone	See above	See above	97 (≤20)		None
Vinyl acetate	See above	See above	99 (≤20)		None
4-Methyl-2-pentanone	See above	See above	88 (≤20)		None
2-Hexanone	See above	See above	98 (≤20)		None
Bromochloromethane	See above	See above	92 (≤20)		None
2,2-Dichloropropane	See above	See above	62 (≤20)		None
1,2-Dibromoethane	See above	See above	90 (≤20)		None
1,3-Dichloropropane	See above	See above	89 (≤20)		None
1,1,2,2-Tetrachloroethane	See above	See above	78 (≤20)		None
Bromobenzene	See above	See above	74 (≤20)		None
tert-Butylbenzene	See above	See above	32 (≤20)		None
2-Chlorotoluene	See above	See above	50 (≤20)		None
4-Chlorotoluene	See above	See above	49 (≤20)		None
1,2-Dibromo-3-chloropropane	See above	See above	92 (≤20)		None
Isopropylbenzene	See above	See above	35 (≤20)		None
p-Isopropyltoluene	See above	See above	24 (≤20)		None
Naphthalene	See above	See above	93 (≤20)		None
n-Propylbenzene	See above	See above	33 (≤20)		None
1,2,3-Trichlorobenzene	See above	See above	71 (≤20)		None
1,2,4-Trichlorobenzene	See above	See above	63 (≤20)		None
1,3,5-Trimethylbenzene	See above	See above	45 (≤20)		None
1,2,4-Trimethylbenzene	See above	See above	49 (≤20)		None
1,4-Dioxane	See above	See above	117 (≤20)		None
p-Diethylbenzene	See above	See above	38 (≤20)		None
p-Ethyltoluene	See above	See above	37 (≤20)		None
Ethyl ether	See above	See above	97 (≤20)		None
trans-1,4-Dichloro2-butene	See above	See above	85 (≤20)		None

- Within limits

The results listed above may be biased low due to low MS/MSD percent recoveries. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The results for 1,1-dichloroethene, trichloroethene, and 1,2,4,5-tetramethylbenzene for the sample listed above were estimated due to MS/MSD relative percent difference exceedances.

The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Validation action was not required for the sample listed above due to MS/MSD percent difference exceedances as positive results only are affected and these compounds were not detected in the associated sample.

LCS Results

The following table lists the compounds recovered outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
LCS/D-WG935928-3/4	Naphthalene	58 (70-130)	59 (70-130)	-	MW-14	UJ nondetects
	1,2,4-Trichlorobenzene	69 (70-130)	69 (70-130)	-		UJ nondetects

- Within limits

The naphthalene and 1,2,4-trichlorobenzene results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-14	20-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1629516-05D	Date Collected	: 09/16/16 15:00
Client ID	: MW-14	Date Received	: 09/19/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/26/16 19:17
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08160926A19	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND UJ	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	140 J	10	3.6	
108-90-7	Chlorobenzene	ND UJ	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
542-75-6	1,3-Dichloropropene, Total	ND U	10	2.9	U
563-58-6	1,1-Dichloropropene	ND UJ	50	14.	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	360 J	20	1.4	
75-00-3	Chloroethane	ND U	50	14.	U
75-35-4	1,1-Dichloroethene	4.9 J	10	3.4	J

10/27/16

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1629516-05D	Date Collected	: 09/16/16 15:00
Client ID	: MW-14	Date Received	: 09/19/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/26/16 19:17
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08160926A19	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND UJ	50	14.	U
79-01-6	Trichloroethene	77 J	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND UJ	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND U	50	14.	U
1330-20-7	Xylenes, Total	ND U	50	14.	U
156-59-2	cis-1,2-Dichloroethene	1600	50	14.	
540-59-0	1,2-Dichloroethene, Total	1600	50	14.	
74-95-3	Dibromomethane	ND UJ	100	20.	U
96-18-4	1,2,3-Trichloropropane	ND	50	14.	U
107-13-1	Acrylonitrile	ND	100	30.	U
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-05-4	Vinyl acetate	ND	100	20.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
594-20-7	2,2-Dichloropropane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
142-28-9	1,3-Dichloropropane	ND	50	14.	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	14.	U

CR 10/27/16

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1629516-05D	Date Collected	: 09/16/16 15:00
Client ID	: MW-14	Date Received	: 09/19/16
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/26/16 19:17
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08160926A19	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND UJ	50	14.	U
104-51-8	n-Butylbenzene	ND	50	14.	U
135-98-8	sec-Butylbenzene	ND	50	14.	U
98-06-6	tert-Butylbenzene	ND	50	14.	U
95-49-8	o-Chlorotoluene	ND	50	14.	U
106-43-4	p-Chlorotoluene	ND	50	14.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
87-68-3	Hexachlorobutadiene	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
99-87-6	p-Isopropyltoluene	ND	50	14.	U
91-20-3	Naphthalene	ND	50	14.	U
103-65-1	n-Propylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
108-67-8	1,3,5-Trimethylbenzene	ND	50	14.	U
95-63-6	1,2,4-Trimethylbenzene	ND	50	14.	U
123-91-1	1,4-Dioxane	ND	5000	1200	U
105-05-5	p-Diethylbenzene	ND	40	14.	U
622-96-8	p-Ethyltoluene	ND	40	14.	U
95-93-2	1,2,4,5-Tetramethylbenzene	13 J	40	11.	J
60-29-7	Ethyl ether	ND UJ	50	14.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND UJ	50	14.	U

C 10/27/16

LDC #: 37316A1
SDG #: L1629516
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/25/16
Page: 1 of 1
Reviewer: FD
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, ~~SW~~ SW	% RSD ≤ 20, r ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	FB = 10 TB = 11
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	~~MW-10~~	L1629516-01	Water	09/16/16
2	MW-11	L1629516-02	Water	09/16/16
3	MW-12	L1629516-03	Water	09/16/16
4	~~MW-13~~	L1629516-04	Water	09/16/16
5	MW-14 20X DL	L1629516-05	Water	09/16/16
6	~~MW-15~~	L1629516-06	Water	09/16/16
7	MLW 15-30	L1629516-07	Water	09/16/16
8	MLW 35-40	L1629516-08	Water	09/16/16
9	DUPE-A	L1629516-09	Water	09/16/16
10	FIELD BLANK	L1629516-10	Water	09/16/16
11	TRIP BLANK	L1629516-11	Water	09/16/16
12	~~MW-16~~	L1629516-12	Water	09/16/16
13	MW-14MS	L1629516-05MS	Water	09/16/16

LDC #: 37316A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/25/16
SDG #: L1629516 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: EV
2nd Reviewer: AL

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14	MW-14MSD	L1629516-05MSD	Water	09/16/16
15				
16				
17				
18				
19				

Notes:

1	WG935928-5	BLANK	(10, 11)				
2	WG935928-	12 BLANK					

LDC #: 37316A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30% or percent recoveries (%R) 70-130%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			

LDC #: 37316A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: ~~~

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 1,2,4,5 Tetramethylbenzene
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 7
Reviewer: FT
2nd Reviewer: G

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤30 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: <30.0%)	Associated Samples	Qualifications
	8/8/16	ICV	JJ	39.0	All	J/UJ/A (ND)
			A	34.3	↓	↓

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/26/16	ccv	Y	23.8		All	J/UJ/A (ND)
	11:17		Z	26.1		↓	↓
			MM	21.6			
			KKK	31.4			
			MMM	41.6			
			NNN	29.2			

CONCAL.wpd

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 9/26/16
Conc. units: ug/L
Associated Samples: 5 (ND)

Compound	Blank ID	Sample Identification								
	WG93528-5 BLANK									
B	0.84									

All results were qualified using the criteria stated below except those circled.
Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT
2nd Reviewer: AL

METHOD : GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	13 + 14	see following pages	( )	( )	( )	5	all %R = J/UJ/A ND + Det
			( )	( )	( )		except (%R) = RRR no qual,
			( )	( )	( )		parent 7/4 X
			( )	( )	( )		
			( )	( )	( )		%RPD = J det/A ND + Det
			( )	( )	( )		H, S, Y1 are detect
			( )	( )	( )		RRR = no qual parent
			( )	( )	( )		7/4 X
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

13 + 14

Matrix Spike
Form 3

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Client Sample ID	: MW-14	Matrix	: WATER
Lab Sample ID	: L1629516-05	Analysis Date	: 09/26/16 19:17
Matrix Spike	: WG935928-6	MS Analysis Date	: 09/26/16 22:05
Matrix Spike Dup	: WG935928-7	MSD Analysis Date	: 09/27/16 13:29

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride E	ND	200	220	110	200	70.	35 Q	103 Q	70-130	20
1,1-Dichloroethane I	ND	200	210	105	200	77.	38 Q	93 Q	70-130	20
Chloroform K	ND	200	200	100	200	78.	39 Q	88 Q	70-130	20
Carbon tetrachloride O	ND	200	140	70	200	79.	40 Q	56 Q	63-132	20
1,2-Dichloropropane Q	ND	200	180	90	200	70.	35 Q	88 Q	70-130	20
Dibromochloromethane T	ND	200	190	95	200	70.	35 Q	92 Q	63-130	20
1,1,2-Trichloroethane U	ND	200	200	100	200	73.	36 Q	93 Q	70-130	20
Tetrachloroethene AA	140	200	250	55 Q	200	210	35 Q	17	70-130	20
Chlorobenzene DD	ND	200	150	75	200	74.	37 Q	68 Q	75-130	20
Trichlorofluoromethane KK	ND	200	150	75	200	84.	42 Q	56 Q	62-150	20
1,2-Dichloroethane L	ND	200	190	95	200	68.	34 Q	95 Q	70-130	20
1,1,1-Trichloroethane N	ND	200	180	90	200	84.	42 Q	73 Q	67-130	20
Bromodichloromethane P	ND	200	190	95	200	69.	34 Q	93 Q	67-130	20
trans-1,3-Dichloropropene W	ND	200	170	85	200	67.	34 Q	87 Q	70-130	20
cis-1,3-Dichloropropene R	ND	200	160	80	200	60.	30 Q	91 Q	70-130	20
1,1-Dichloropropene QQ	ND	200	150	75	200	81.	40 Q	60 Q	70-130	20
Bromoform X	ND	200	190	95	200	72.	36 Q	90 Q	54-136	20
1,1,2,2-Tetrachloroethane BB	ND	200	200	100	200	72.	36 Q	94 Q	67-130	20
Benzene V	ND	200	190	95	200	79.	40 Q	83 Q	70-130	20
Toluene CC	ND	200	170	85	200	84.	42 Q	68 Q	70-130	20
Ethylbenzene EE	ND	200	140	70	200	82.	41 Q	52 Q	70-130	20
Chloromethane A	ND	200	220	110	200	87.	44 Q	87 Q	64-130	20
Bromomethane B	ND	200	45.J	22 Q	200	38.J	19 Q	17	39-139	20
Vinyl chloride C	360	200	520	80	200	370	5 Q	34 Q	55-140	20

Matrix Spike
Form 3

13 + 14

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Client Sample ID	: MW-14	Matrix	: WATER
Lab Sample ID	: L1629516-05	Analysis Date	: 09/26/16 19:17
Matrix Spike	: WG935928-6	MS Analysis Date	: 09/26/16 22:05
Matrix Spike Dup	: WG935928-7	MSD Analysis Date	: 09/27/16 13:29

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Chloroethane D	ND	200	250	125	200	110	55	78 Q	55-138	20
1,1-Dichloroethene H	4.9J	200	200	100	200	95.	48 Q	71 Q	61-145	20
trans-1,2-Dichloroethene PPP	ND	200	210	105	200	93.	46 Q	77 Q	70-130	20
Trichloroethene S	77	200	240	82	200	150	36 Q	46 Q	70-130	20
1,2-Dichlorobenzene JJ	ND	200	140	70	200	70.	35 Q	67 Q	70-130	20
1,3-Dichlorobenzene FFF	ND	200	130	65 Q	200	75.	38 Q	54 Q	70-130	20
1,4-Dichlorobenzene JJJ	ND	200	130	65 Q	200	72.	36 Q	57 Q	70-130	20
Methyl tert butyl ether LL	ND	200	230	115	200	71.	36 Q	106 Q	63-130	20
p/m-Xylene RRR	ND	400	280	70	400	160	40 Q	55 Q	70-130	20
o-Xylene SSS	ND	400	300	75	400	150	38 Q	67 Q	70-130	20
cis-1,2-Dichloroethene QQQ	1600	200	1600	0 Q	200	1500	-50 Q	6	70-130	20 No qual
Dibromomethane R	ND	200	180	90	200	67.J	34 Q	91 Q	70-130	20
1,2,3-Trichloropropane XX	ND	200	190	95	200	77.	38 Q	85 Q	64-130	20
Acrylonitrile GGGG	ND	200	190	95	200	66.J	33 Q	97 Q	70-130	20
Styrene FF	ND	400	310	78	400	150	38 Q	70 Q	70-130	20
Dichlorodifluoromethane JJ	ND	200	97.J	48	200	56.J	28 Q	54 Q	36-147	20
Acetone F	ND	200	210	105	200	71.J	36 Q	99 Q	58-148	20
Carbon disulfide G	ND	200	190	95	200	91.J	46 Q	70 Q	51-130	20
2-Butanone M	ND	200	190	95	200	66.J	33 Q	97 Q	63-138	20
Vinyl acetate HH	ND	200	200	100	200	68.J	34 Q	99 Q	70-130	20
4-Methyl-2-pentanone Y	ND	200	160	80	200	62.J	31 Q	88 Q	59-130	20
2-Hexanone Z	ND	200	160	80	200	55.J	28 Q	98 Q	57-130	20
Bromochloromethane PP	ND	200	190	95	200	70.	35 Q	92 Q	70-130	20
2,2-Dichloropropane OO	ND	200	170	85	200	90.	45 Q	62 Q	63-133	20

Matrix Spike
Form 3

13 + 14

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Client Sample ID	: MW-14	Matrix	: WATER
Lab Sample ID	: L1629516-05	Analysis Date	: 09/26/16 19:17
Matrix Spike	: WG935928-6	MS Analysis Date	: 09/26/16 22:05
Matrix Spike Dup	: WG935928-7	MSD Analysis Date	: 09/27/16 13:29

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dibromoethane TT	ND	200	180	90	200	68.	34 Q	90 Q	70-130	20
1,3-Dichloropropane SS	ND	200	180	90	200	69.	34 Q	89 Q	70-130	20
1,1,1,2-Tetrachloroethane BB	ND	200	160	80	200	70.	35 Q	78 Q	64-130	20
Bromobenzene WW	ND	200	160	80	200	74.	37 Q	74 Q	70-130	20
n-Butylbenzene III	ND	200	100	50 Q	200	82.	41 Q	20	53-136	20
sec-Butylbenzene EEE	ND	200	110	55 Q	200	93.	46 Q	17	70-130	20
tert-Butylbenzene CCC	ND	200	110	55 Q	200	80.	40 Q	32 Q	70-130	20
o-Chlorotoluene ZZ	ND	200	150	75	200	90.	45 Q	50 Q	70-130	20
p-Chlorotoluene BBB	ND	200	140	70	200	85.	42 Q	49 Q	70-130	20
1,2-Dibromo-3-chloropropane MM	ND	200	160	80	200	59.	30 Q	92 Q	41-144	20
Hexachlorobutadiene LLL	ND	200	95.	48 Q	200	91.	46 Q	4	63-130	20
Isopropylbenzene VV	ND	200	130	65 Q	200	91.	46 Q	35 Q	70-130	20
p-Isopropyltoluene GGG	ND	200	110	55 Q	200	86.	43 Q	24 Q	70-130	20
Naphthalene MMM	ND	200	140	70	200	51.	26 Q	93 Q	70-130	20
n-Propylbenzene YY	ND	200	130	65 Q	200	93.	46 Q	33 Q	69-130	20
1,2,3-Trichlorobenzene NNN	ND	200	120	60 Q	200	57.	28 Q	71 Q	70-130	20
1,2,4-Trichlorobenzene KKK	ND	200	110	55 Q	200	57.	28 Q	63 Q	70-130	20
1,3,5-Trimethylbenzene AAA	ND	200	140	70	200	89.	44 Q	45 Q	64-130	20
1,2,4-Trimethylbenzene DDD	ND	200	140	70	200	85.	42 Q	49 Q	70-130	20
1,4-Dioxane HHHH	ND	10000	6100	61	10000	1600J	16 Q	117 Q	56-162	20
p-Diethylbenzene	ND	200	110	55 Q	200	75.	38 Q	38 Q	70-130	20
p-Ethyltoluene	ND	200	130	65 Q	200	89.	44 Q	37 Q	70-130	20
1,2,4,5-Tetramethylbenzene Y1	13J	200	120	60 Q	200	70.	35 Q	53 Q	70-130	20
Ethyl ether LLLL	ND	200	200	100	200	69.	34 Q	97 Q	59-134	20

13 + 14

Matrix Spike
Form 3

Client	: P. W. Grosser	Lab Number	: L1629516
Project Name	: CIR1601	Project Number	: CIR1601
Client Sample ID	: MW-14	Matrix	: WATER
Lab Sample ID	: L1629516-05	Analysis Date	: 09/26/16 19:17
Matrix Spike	: WG935928-6	MS Analysis Date	: 09/26/16 22:05
Matrix Spike Dup	: WG935928-7	MSD Analysis Date	: 09/27/16 13:29

		Matrix Spike Sample			Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD		Recovery Limits	RPD Limit
trans-1,4-Dichloro-2-butene	ND	200	180	90	200	73.	36	Q	85	Q	70-130	20

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	LCS/D -	MMM	58 (70-130)	59 (70-130)	( )	~~1-4~~ 5	J/UJ/P (ND)
	WG935928-3/4	KKK	69 (↓)	69 (↓)	( )	WG935928-5 BLANK ↓	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 373/6A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: AA

METHOD: GCMS 8260B

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 30 std)	Recalculated (RRF 30 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/8/2016	C (IS 1)	0.3680	0.3680	0.3380	0.3380	13.09	13.09
	Voa 108		EE (IS 2)	1.6760	1.6760	1.5960	1.5960	11.33	11.33
			JJJ (IS 3)	1.0690	1.0690	1.0650	1.0650	2.78	2.78

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: AL

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	9/26/16	C (1st internal standard)	0.3380	0.349	0.349	3.3	3.3
	11:17		EE (2nd internal standard)	1.5960	1.653	1.653	3.6	3.6
			JJJ (3rd internal standard)	1.0650	0.989	0.989	7.1	7.1
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 373169 1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #5

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	9.719	97	97	0
1,2-Dichloroethane-d4	↓	9.027	90	90	
Toluene-d8		10.068	101	101	
Bromofluorobenzene		10.681	107	107	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: 01

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

RPD = I MSC - MSC I * 2/(MSC + MSDC)

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration; MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 13 + 14

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10	10	ND	9.4	8.9	94	94	89	89	5	5
Trichloroethene	↓	↓	↓	9.2	8.9	92	92	89	89	3	3
Benzene	↓	↓	↓	9.1	9.5	91	91	95	95	4	4
Toluene	↓	↓	↓	10.0	9.8	100	100	92	92	2	2
Chlorobenzene	↓	↓	↓	9.1	9.1	91	91	91	91	0	0

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 37316A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG935928-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	11	11	110	110	110	110	0	0
Trichloroethene			10	10	100	100	100	100	0	0
Benzene			9.9	10	99	99	100	100	1	1
Toluene			10	10	100	100	100	100	0	0
Chlorobenzene			9.5	9.8	95	95	98	98	3	3

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57316A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
RRF	=	Relative response factor of the calibration standard.
V_o	=	Volume or weight of sample pruged in milliliters (ml) or grams (g).
Df	=	Dilution factor.
%S	=	Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #5, C

20X DL
0.5 ml

Conc. = $\frac{1665\,29\ (10)\ (10)}{269598\ (0.338)\ (.5)}$

= 365 ug/L

≈ 360 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Ms. Jennifer Lewis

January 17, 2017

SUBJECT: Coney Island, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed is the final data usability summary reports for the fraction listed below. This SDG were received on January 5, 2017. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #37850:

SDG #	Fraction
L1639729	Volatiles

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SOP HW-24, Revision 4, October 2014
- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-014-002, August 2014
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007: update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
Project Manager/Chemist

656 pages-DL

Attachment 1

Category B

LDC #37850 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(2) DATE DUE	VOA (8260C)																															
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1639729	01/05/17	01/19/17	9	0																														
Total	T/CR			9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9

Shaded cells indicate CAT B validation (all other cells are Level III validation). These sample counts do not include MS, MSD, or DUP's.

L:\PW Grosser\Coney Island\37850ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical
Report No.: L1639729
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: January 17, 2017

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
DUPE	L1639729-01	VOC
MW-10	L1639729-02	VOC
MW-12	L1639729-03	VOC
MW-13	L1639729-04	VOC
MW-14	L1639729-05	VOC
MW-15-20	L1639729-06	VOC
MW-35-40	L1639729-07	VOC
MW-15	L1639729-08	VOC
MW-11	L1639729-09	VOC
MW-10MS	L1639729-02MS	VOC
MW-10MSD	L1639729-02MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: DUPE and MW-10

The above-listed water samples were collected on December 6, 2016 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry,* SOP HW-24, Revision 4 (October 2014) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-014-002 (August 2014), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix and laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
10/26/16	ICAL	1,4-Dioxane	0.00062 (≥0.005)	DUPE MW-10 MW-12 MW-13 MW-14 MW-15-20 MW-35-40 MW-15 MW-11	+	UJ nondetects

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
10/26/16	ICV	Dichlorodifluoromethane	48.8	DUPE	SS	UJ nondetect
		Chloromethane	34.5	MW-10	SS	UJ nondetect
		4-Methyl-2-pentanone	25.5	MW-12	SS	UJ nondetect
		2-Hexanone	33.6	MW-13	SS	UJ nondetect
				MW-14		
				MW-15-20		
				MW-35-40		
				MW-15		
				MW-11		

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the samples listed above were estimated due to relative response factor and initial calibration verification exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
12/13/16	CCV	Ethyl ether	20.3	DUPE	XX	J detects/UJ nondetect
		Acetone	62.7	MW-10	XX	J detects/UJ nondetect
		4-Methyl-2-pentanone	42.8	MW-12	XX	J detects/UJ nondetect
		trans-1,3-Dichloropropene	21.9	MW-13	XX	J detects/UJ nondetect
		1,1,2-Trichloroethane	20.9	MW-14	XX	J detects/UJ nondetect
		2-Hexanone	44.7	MW-15-20	XX	J detects/UJ nondetect
		1,1,2,2-Tetrachloroethane	23.5	MW-35-40	XX	J detects/UJ nondetect
		1,2-Dibromo-3-chloropropane	38.4	MW-15	XX	J detects/UJ nondetect
		Naphthalene	41.4	MW-11	XX	J detects/UJ nondetect
		1,2,3-Trichlorobenzene	22.7		XX	J detects/UJ nondetect

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
12/13/16	CCV	1,4-Dioxane	0.00053 (≥0.005)	DUPE MW-10 MW-12 MW-13 MW-14 MW-15-20 MW-35-40 MW-15 MW-11	+	J detects/UJ nondetect

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the sample listed above were estimated due to continuing calibration and relative response factor exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

The laboratory performed MS and MSD analyses on sample MW-10 for VOC analysis. The following table lists the analytes which exhibited recoveries outside of the control limits in the MS/MSD and the resulting validation actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Validation Actions
1,2-Dichloroethane	-	140 (70-130)	-	MW-10	None
Chloroethane	160 (55-138)	160 (55-138)	-		None
Methyl-tert-butyl ether	150 (63-130)	160 (63-130)	-		None
Vinyl acetate	140 (70-130)	140 (70-130)	-		None
4-Methyl-2-pentanone	-	140 (59-130)	-		None
1,4-Dioxane	-	180 (56-162)	-		None
Ethyl ether	-	140 (59-134)	-		None

- Within limits

Validation action was not required for the sample listed above due to high MS/MSD percent recoveries as positive results only are affected and these compounds were not detected in the associated sample.

LCS Results

The following table lists the compounds recovered outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
WG960869-LCS/D	Acetone	160 (58-148)	-	59 (≤20)	MW-15	J detects
WG960869-LCS/D	Acetone	160 (58-148)	-	59 (≤20)	DUPE MW-10 MW-12 MW-13 MW-14 MW-15-20 MW-35-40 MW-11	None
WG960869-LCS/D	Naphthalene	59 (70-130)	60 (70-130)	-	DUPE MW-10 MW-12 MW-13 MW-14 MW-15-20 MW-35-40 MW-15 MW-11	J detects/UJ nondetects

- Within limits

The acetone result for the sample MW-15 was estimated due to high LCS/LCSD percent recoveries and relative percent difference exceedance. The bias cannot be determined. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

Validation action was not required for acetone due to high LCS/LCSD percent recoveries and relative percent difference exceedance as positive results only are affected and this compound was not detected in the associated samples.

The naphthalene result for the samples listed above may be biased low due to low LCS/LCSD percent recoveries. The result can be used for project objectives as an estimated value (J) or a nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples DUPE and MW-10 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

Compound	Concentration (ug/L)		RPD (Limits)
	DUPE	MW-10	
Vinyl chloride	0.47	0.48	2 (≤30)
Trichloroethene	0.56	0.59	5 (≤30)
Naphthalene	1.4	1.3	7 (≤30)

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-14	10-fold dilution due to nature of sample matrix
MW-15	2-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-01	Date Collected	: 12/06/16 00:00
Client ID	: DUPE	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 15:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND UJ	1.5	0.50	U
127-18-4	Tetrachloroethene	ND U	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND UJ	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND U	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	0.50	0.17	U
71-43-2	Benzene	ND U	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND UJ	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	0.47 J	1.0	0.07	J
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND U	0.50	0.17	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-01	Date Collected	: 12/06/16 00:00
Client ID	: DUPE	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 15:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND U	2.5	0.70	U
79-01-6	Trichloroethene	0.56	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND U	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND UJ	5.0	1.5	U
75-15-0	Carbon disulfide	ND U	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-01	Date Collected	: 12/06/16 00:00
Client ID	: DUPE	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 15:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND U	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.4 J	2.5	0.70	J
103-65-1	n-Propylbenzene	ND U	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND U	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND UJ	250	61.	U
105-05-5	p-Diethylbenzene	ND U	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND UJ	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

JAN 17 2017

ALPHA ANALYTICAL

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-02	Date Collected	: 12/06/16 10:15
Client ID	: MW-10	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 15:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A17	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND UJ	1.5	0.50	U
127-18-4	Tetrachloroethene	ND U	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND UJ	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND U	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	0.50	0.17	U
71-43-2	Benzene	ND U	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND UJ	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	0.48 J	1.0	0.07	J
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND U	0.50	0.17	U

JAN 17 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-02	Date Collected	: 12/06/16 10:15
Client ID	: MW-10	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 15:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A17	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND U	2.5	0.70	U
79-01-6	Trichloroethene	0.59	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND U	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND UJ	5.0	1.5	U
75-15-0	Carbon disulfide	ND U	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-02	Date Collected	: 12/06/16 10:15
Client ID	: MW-10	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 15:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A17	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND U	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.3 J	2.5	0.70	J
103-65-1	n-Propylbenzene	ND U	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND U	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND UJ	250	61.	U
105-05-5	p-Diethylbenzene	ND U	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND UJ	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-03	Date Collected	: 12/06/16 11:36
Client ID	: MW-12	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND U	2.5	0.70	U
67-66-3	Chloroform	1.7 J	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND U	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND UJ	1.5	0.50	U
127-18-4	Tetrachloroethene	2.1	0.50	0.18	
108-90-7	Chlorobenzene	ND U	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND UJ	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND U	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	0.50	0.17	U
71-43-2	Benzene	ND U	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND UJ	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	1.6	1.0	0.07	
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND U	0.50	0.17	U

ALPHA ANALYTICAL

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-03	Date Collected	: 12/06/16 11:36
Client ID	: MW-12	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	21	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	21	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

JAN 17 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-03	Date Collected	: 12/06/16 11:36
Client ID	: MW-12	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND U	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND UJ	2.5	0.70	U
103-65-1	n-Propylbenzene	ND U	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND U	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND UJ	250	61.	U
105-05-5	p-Diethylbenzene	ND U	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND U	2.0	0.54	U
60-29-7	Ethyl ether	ND UJ	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-04	Date Collected	: 12/06/16 12:10
Client ID	: MW-13	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND UJ	1.5	0.50	U
127-18-4	Tetrachloroethene	6.0	0.50	0.18	
108-90-7	Chlorobenzene	ND U	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND UJ	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND U	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	0.50	0.17	U
71-43-2	Benzene	0.76	0.50	0.16	
108-88-3	Toluene	ND U	2.5	0.70	U
100-41-4	Ethylbenzene	1.9 J	2.5	0.70	J
74-87-3	Chloromethane	ND UJ	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	18	1.0	0.07	
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND U	0.50	0.17	U

ALPHA ANALYTICAL

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-04	Date Collected	: 12/06/16 12:10
Client ID	: MW-13	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.7 J	2.5	0.70	J
79-01-6	Trichloroethene	2.9	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND U	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	2.2 J	2.5	0.70	J
1330-20-7	Xylenes, Total	2.2 J	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	15	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	17 J	2.5	0.70	J
74-95-3	Dibromomethane	ND U	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND UJ	5.0	1.5	U
75-15-0	Carbon disulfide	ND U	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

JAN 17 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-04	Date Collected	: 12/06/16 12:10
Client ID	: MW-13	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND U	2.5	0.70	U
135-98-8	sec-Butylbenzene	1.1 J	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND U	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND U	2.5	0.70	U
98-82-8	Isopropylbenzene	1.5 J	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND U	2.5	0.70	U
91-20-3	Naphthalene	1.7 J	2.5	0.70	J
103-65-1	n-Propylbenzene	ND U	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND U	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND UJ	250	61.	U
105-05-5	p-Diethylbenzene	1.2 J	2.0	0.70	J
622-96-8	p-Ethyltoluene	ND U	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	4.4	2.0	0.54	
60-29-7	Ethyl ether	ND UJ	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-05D	Date Collected	: 12/06/16 12:45
Client ID	: MW-14	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 14:57
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A15	Instrument ID	: VOA105
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	78	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
542-75-6	1,3-Dichloropropene, Total	ND	5.0	1.4	U
563-58-6	1,1-Dichloropropene	ND	25	7.0	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	130	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-05D	Date Collected	: 12/06/16 12:45
Client ID	: MW-14	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 14:57
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A15	Instrument ID	: VOA105
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND U	25	7.0	U
79-01-6	Trichloroethene	17	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND U	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
1330-20-7	Xylenes, Total	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	660	25	7.0	
540-59-0	1,2-Dichloroethene, Total	660	25	7.0	
74-95-3	Dibromomethane	ND U	50	10.	U
96-18-4	1,2,3-Trichloropropane	ND	25	7.0	U
107-13-1	Acrylonitrile	ND	50	15.	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND UJ	50	10.	U
67-64-1	Acetone	ND UJ	50	15.	U
75-15-0	Carbon disulfide	ND U	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-05-4	Vinyl acetate	ND	50	10.	U
108-10-1	4-Methyl-2-pentanone	ND UJ	50	10.	U
591-78-6	2-Hexanone	ND UJ	50	10.	U
74-97-5	Bromochloromethane	ND U	25	7.0	U
594-20-7	2,2-Dichloropropane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
142-28-9	1,3-Dichloropropane	ND	25	7.0	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	7.0	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-05D	Date Collected	: 12/06/16 12:45
Client ID	: MW-14	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 14:57
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A15	Instrument ID	: VOA105
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	25	7.0	U
104-51-8	n-Butylbenzene	ND	25	7.0	U
135-98-8	sec-Butylbenzene	ND	25	7.0	U
98-06-6	tert-Butylbenzene	ND	25	7.0	U
95-49-8	o-Chlorotoluene	ND	25	7.0	U
106-43-4	p-Chlorotoluene	ND	25	7.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	25	7.0	U
87-68-3	Hexachlorobutadiene	ND U	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
99-87-6	p-Isopropyltoluene	ND	25	7.0	U
91-20-3	Naphthalene	ND UJ	25	7.0	U
103-65-1	n-Propylbenzene	ND U	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND U	25	7.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	25	7.0	U
95-63-6	1,2,4-Trimethylbenzene	ND	25	7.0	U
123-91-1	1,4-Dioxane	ND UJ	2500	610	U
105-05-5	p-Diethylbenzene	ND U	20	7.0	U
622-96-8	p-Ethyltoluene	ND	20	7.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	20	5.4	U
60-29-7	Ethyl ether	ND UJ	25	7.0	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	25	7.0	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-06	Date Collected	: 12/06/16 13:24
Client ID	: MW-15-20	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-06	Date Collected	: 12/06/16 13:24
Client ID	: MW-15-20	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND U	2.5	0.70	U
79-01-6	Trichloroethene	0.22 J	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND U	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND UJ	5.0	1.5	U
75-15-0	Carbon disulfide	ND U	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-06	Date Collected	: 12/06/16 13:24
Client ID	: MW-15-20	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 16:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND U	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND UJ	2.5	0.70	U
103-65-1	n-Propylbenzene	ND U	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND U	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND UJ	250	61.	U
105-05-5	p-Diethylbenzene	ND U	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND UJ	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

JAN 17 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-07	Date Collected	: 12/06/16 13:45
Client ID	: MW-35-40	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 17:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

ALPHA ANALYTICAL

JAN 17 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-07	Date Collected	: 12/06/16 13:45
Client ID	: MW-35-40	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 17:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND U	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND UJ	5.0	1.5	U
75-15-0	Carbon disulfide	ND U	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-07	Date Collected	: 12/06/16 13:45
Client ID	: MW-35-40	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 17:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

JAN 17 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-08D	Date Collected	: 12/06/16 14:56
Client ID	: MW-15	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 18:01
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	0.76	1.0	0.36	J
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.29	U
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	6.5	2.0	0.14	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-08D	Date Collected	: 12/06/16 14:56
Client ID	: MW-15	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 18:01
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	1.5 J	5.0	1.4	J
79-01-6	Trichloroethene	2.0	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND U	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
1330-20-7	Xylenes, Total	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	12	5.0	1.4	
540-59-0	1,2-Dichloroethene, Total	14 J	5.0	1.4	J
74-95-3	Dibromomethane	ND U	10	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U
107-13-1	Acrylonitrile	ND	10	3.0	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND UJ	10	2.0	U
67-64-1	Acetone	4.8 J	10	2.9	J
75-15-0	Carbon disulfide	5.2 J	10	2.0	J
78-93-3	2-Butanone	ND U	10	3.9	U
108-05-4	Vinyl acetate	ND	10	2.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	10	2.0	U
591-78-6	2-Hexanone	ND UJ	10	2.0	U
74-97-5	Bromochloromethane	ND U	5.0	1.4	U
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	U

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-08D	Date Collected	: 12/06/16 14:56
Client ID	: MW-15	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 18:01
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND U	5.0	1.4	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
95-49-8	o-Chlorotoluene	ND	5.0	1.4	U
106-43-4	p-Chlorotoluene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND U	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	5.7 J	5.0	1.4	
103-65-1	n-Propylbenzene	ND U	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND U	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.4	U
123-91-1	1,4-Dioxane	ND UJ	500	120	U
105-05-5	p-Diethylbenzene	ND U	4.0	1.4	U
622-96-8	p-Ethyltoluene	ND U	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	5.4	4.0	1.1	
60-29-7	Ethyl ether	ND UJ	5.0	1.4	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	5.0	1.4	U

JAN 17 2017

ALPHA ANALYTICAL

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-09	Date Collected	: 12/06/16 10:50
Client ID	: MW-11	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 17:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND UJ	1.5	0.50	U
127-18-4	Tetrachloroethene	0.39 J	0.50	0.18	J
108-90-7	Chlorobenzene	ND U	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND ~~U~~ UJ	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND U	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	0.50	0.17	U
71-43-2	Benzene	ND U	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND UJ	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

ALPHA ANALYTICAL

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-09	Date Collected	: 12/06/16 10:50
Client ID	: MW-11	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 17:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

JAN 17 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1639729
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1639729-09	Date Collected	: 12/06/16 10:50
Client ID	: MW-11	Date Received	: 12/07/16
Sample Location	: 3124 CONEY ISLAND AVE.	Date Analyzed	: 12/13/16 17:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KD
Lab File ID	: V05161213A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

JAN 17 2017

Initials: CR

LDC #: 37850A1
SDG #: L1639729
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 1/9/17
Page: 1 of 1
Reviewer: EJ
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW, SW	% RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	SW	D = 1,2
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = J dil
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DUPE	L1639729-01	Water	12/06/16
2	MW-10	L1639729-02	Water	12/06/16
3	MW-12	L1639729-03	Water	12/06/16
4	MW-13	L1639729-04	Water	12/06/16
5	MW-14 10 X	L1639729-05	Water	12/06/16
6	MW-15-20	L1639729-06	Water	12/06/16
7	MW-35-40	L1639729-07	Water	12/06/16
8	MW-15 2 X	L1639729-08	Water	12/06/16
9	MW-11	L1639729-09	Water	12/06/16
10	MW-10MS	L1639729-02MS	Water	12/06/16
11	MW-10MSD	L1639729-02MSD	Water	12/06/16
12	WG960869 - 5 BLANK			
13				

LDC #: 37850A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: GK

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓	✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30% or percent recoveries (%R) 70-130%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			

LDC #: 37850A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,-3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?

Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____

Y N N/A Did the initial calibration meet the acceptance criteria?

Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/26/16	ICAL	HHHH	FT	~~0.001~~ (≥0.005) 0.000062	All	J/UJ/A ND

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: G

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤30 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	10/26/16	ICV	JJ	48.8	All	J | UJ / Δ (all ND)
			A	34.5	↓	↓
			Y	25.5		
			Z	33.6		

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: G

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y (N) N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	12/13/16	CCV	HHH H		0.00053 (20.005)	All	J/UJ/A ND+Det
	0846		LLL L	20.3			
			F	62.7			
			Y	42.8			
			W	21.9			
			U	20.9			
			Z	44.7			
			BB	23.5			
			MM	38.4			
			MMM	41.4			
			NNN	22.7			

.LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT
2nd Reviewer: a

METHOD : GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	10 & 11	L	140 (70-136)	140 (70-130)	( )	2	J det/A all ND
		D	160 (55-138)	160 (55-138)	( )		
		LL	150 (63-130)	160 (63-130)	( )		
		HH	140 (70-130)	140 (70-130)	( )		
		Y	( )	140 (59-130)	( )		
		HHHH	( )	180 (56-162)	( )		
		LLL	( )	140 (59-134)	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG960869-	F	160 (58-148)	~~59 (58-148)~~	~~5~~ ( )	All	J (all Det) / A (ND)
	LCS ID	MMM	59 (70-130)	60 (70-130)	( )	↓	J/UJ/A (ND + Det)
		F	( )	( )	59 (20)	↓	J (all Det) / A (ND)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT
2nd reviewer: a

METHOD: GC/MS VOA (EPA Method 8260C)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤ 30%)
	1	2	
C	0.47	0.48	2
S	0.56	0.59	5
MMM	1.4	1.3	7

Compound	Concentration ( )		RPD (≤ %)

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (30 std)	Recalculated RRF (30 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/26/16	C (1st internal standard)	0.209	0.209	0.203	0.203	7.06	7.06
			CC (2nd internal standard)	0.666	0.666	0.642	0.642	4.27	4.27
			X (3rd internal standard)	0.197	0.197	0.188	0.188	17.12	17.12
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA Method 8260C)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0846	12/13/16	c (1st internal standard)	0.203	0.186	0.186	8.4	8.4
			cc (2nd internal standard)	0.642	0.603	0.603	6.1	6.1
			X (3rd internal standard)	0.188	0.153	0.153	18.6	18.6
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #7

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.953	110	110	0
1,2-Dichloroethane-d4	↓	11.939	119	119	↓
Toluene-d8		9.842	98	98	
Bromofluorobenzene		9.669	97	97	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSC | * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 10 + 11

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	-------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10	10	ND	11	12	110	110	120	120	9	9
Trichloroethene	↓	↓	0.59	11	11	104	104	104	104	0	0
Benzene	↓	↓	ND	11	12	110	110	120	120	9	9
Toluene	↓	↓	ND	9.8	10.0	98	98	100	100	2	2
Chlorobenzene	↓	↓	ND	9.7	10.	97	97	100	100	3	3

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 37855DA1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: LCSID-WG960869

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	10	9.4	100	100	94	94	6	6
Trichloroethene			10	9.5	100	100	95	95	5	5
Benzene			9.6	9.3	96	96	93	93	3	3
Toluene			9.4	9.1	94	94	91	91	3	3
Chlorobenzene	↓	↓	9.4	9.0	94	94	90	90	4	4

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 37850A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2 , C :

Conc. = $\frac{7802\ (10.0)}{806708\ (0.203)}$

= 0.48 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Ms. Jennifer Lewis

March 29, 2017

SUBJECT: Coney Island, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed is the final data usability summary report for the fraction listed below. This SDG were received on March 17, 2017. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #38287:

SDG #	Fraction
L1706520	Volatiles

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SOP HW-24, Revision 4, October 2014
- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-014-002, August 2014
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007: update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
Project Manager/Chemist

1,315 pages-DL

Attachment 1

Category B

LDC #38287 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(2) DATE DUE	VOA (8260C)																															
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1706520	03/17/17	03/31/17	11	0																														
Total	T/CR			11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

L:\PW Grosser\Coney Island\38287ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical
Report No.: L1706520
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: March 28, 2017

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-11	L1706520-01	VOC
MW-10	L1706520-02	VOC
MW-12	L1706520-03	VOC
MW-13	L1706520-04	VOC
MW-14	L1706520-05	VOC
MLW 15-20	L1706520-06	VOC
MLW 35-40	L1706520-07	VOC
MW-15	L1706520-08	VOC
DUPE	L1706520-09	VOC
FIELD BLANK	L1706520-10	VOC
TRIP BLANK	L1706520-11	VOC
MW-14MS	L1706520-05MS	VOC
MW-14MSD	L1706520-05MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: TRIP BLANK, FIELD BLANK
Field Duplicate pair: MW-14 and DUPE

The above-listed water samples were collected on March 7, 2017 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry,* SOP HW-24, Revision 4 (October 2014) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-014-002 (August 2014), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix and laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
11/01/16	ICAL-VOA108	1,4-Dioxane	0.001 (≥0.005)	MW-11 MW-10 MW-12 MW-13 MW-14 MLW 15-20 DUPE FIELD BLANK	+	UJ nondetects
01/25/17	ICAL-VOA105	1,4-Dioxane	0.001 (≥0.005)	MLW 35-40 MW-15	+	UJ nondetects
03/01/17	ICAL-VOA101	1,4-Dioxane	0.001 (≥0.005)	TRIP BLANK	+	UJ nondetects

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
11/02/16	ICV-VOA108	Dichlorodifluoromethane Chloromethane	65.4 38.6	MW-11 MW-10 MW-12 MW-13 MW-14 MLW 15-20 DUPE FIELD BLANK	SS SS	UJ nondetect UJ nondetect
03/01/17	ICV-VOA101	Carbon disulfide	30.9	TRIP BLANK	SS	UJ nondetect

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the samples listed above were estimated due to response factor and second source verification exceedances. The bias cannot be determined. The results can be used for project objectives as nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/06/17	CCV-VOA108	Dichlorodifluoromethane	22.8	MW-11	XX	J detects/UJ nondetects
		Vinyl chloride	39.4	MW-10	XX	J detects/UJ nondetects
		Bromomethane	41.2	MW-12	XX	J detects/UJ nondetects
		Chloroethane	32.2	MW-13	XX	J detects/UJ nondetects
		Carbon disulfide	43.2	MW-14	XX	J detects/UJ nondetects
		Methyl-tert-butyl ether	22.1	MLW 15-20	XX	J detects/UJ nondetects
		2-Butanone	25.9	DUPE	XX	J detects/UJ nondetects
		1,4-Dioxane	21.5	FIELD BLANK	XX	J detects/UJ nondetects
		4-Methyl-2-pentanone	27.4		XX	J detects/UJ nondetects
		2-Hexanone	35.5		XX	J detects/UJ nondetects
		1,2,4,5-Tetramethylbenzene	33.9		XX	J detects/UJ nondetects
		1,2-Dibromo-3-chloropropane	22.5		XX	J detects/UJ nondetects
03/09/17	CCV-VOA105	1,4-Dioxane	24.0	MLW 35-40	XX	J detects/UJ nondetects
		4-Methyl-2-pentanone	38.8	MW-15	XX	J detects/UJ nondetects
		2-Hexanone	36.4		XX	J detects/UJ nondetects
		1,2,4,5,-Tetramethylbenzene	25.9		XX	J detects/UJ nondetects
		1,2-Dibromo-3-chloropropane	20.7		XX	J detects/UJ nondetects
		1,2,4-Trichlorobenzene	30.3			
		Naphthalene	49.0			
		1,2,3-Trichlorobenzene	37.3			
03/08/17	CCV-VOA101	Dichlorodifluoromethane	37.6	TRIP BLANK	XX	UJ nondetects
		Vinyl chloride	21.5			UJ nondetects
		Trichlorofluoromethane	36.7			UJ nondetects
		1,1-Dichloroethene	22.6			UJ nondetects
		Carbon disulfide	23.3			UJ nondetects
		Acrylonitrile	25.8			UJ nondetects
		Carbon tetrachloride	26.0			UJ nondetects
		Trichloroethene	21.1			UJ nondetects
		1,4-Dioxane	26.6			UJ nondetects
		Tetrachloroethene	21.1			UJ nondetects
		o-Xylene	24.7			UJ nondetects
		Bromoform	36.4			UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
03/06/17	CCV-VOA108	1,4-Dioxane	0.00073 (≥0.005)	MW-11 MW-10 MW-12 MW-13 MW-14 MLW 15-20 DUPE FIELD BLANK	+	UJ nondetects
03/09/17	CCV-VOA105	1,4-Dioxane	0.00038 (≥0.005)	MLW 35-40 MW-15	+	UJ nondetects
03/08/17	CCV-VOA101	1,4-Dioxane	0.00047 (≥0.005)	TRIP BLANK	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.
- = Criteria were met.

The results for the sample listed above were estimated due to continuing calibration and response factor exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

No positive results were found in the trip blank sample TRIP BLANK and field blank sample FIELD BLANK for VOC analysis.

Surrogate Recoveries

Surrogates were recovered outside of control limits for sample MW-15 for VOC analysis. The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample ID	Surrogate	Surrogate %R (Limits)	Validation Action
MW-15	Bromofluorobenzene	141 (70-130)	J detects

The results may be biased high due to high surrogate percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

MS/MSD Results

The laboratory performed MS and MSD analyses on sample MW-14 for VOC analysis. The following table lists the analytes which exhibited recoveries outside of the control limits in the MS/MSD and the resulting validation actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Validation Actions
Bromomethane	22 (39-139)	35 (39-139)	-	MW-14	UJ nondetects
Chloroethane	-	140 (55-138)	-	MW-14	None
Bromomethane	-	-	46 (≤20)	MW-14	None
1,4-Dioxane	-	-	31 (≤20)		None

- Within limits

The bromomethane result listed above may be biased low due to low MS/MSD percent recovery. The results can be used for project objectives as a nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Validation action was not required for chloroethane due to high MS/MSD percent recovery as positive results only are affected and this compound was not detected in the associated sample.

Validation action was not required for bromomethane and 1,4-dioxane due to MS/MSD relative percent difference exceedances as positive results only are affected and these compounds were not detected in the associated sample.

LCS Results

The following table lists the compounds recovered outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
WG983232-3/4	Carbon disulfide	140 (51-130)	-	- -	MW-11 MW-10 MW-12 MW-13 MW-14 MLW 15-20 DUPE FIELD BLANK	None
WG983232-3/4	Carbon disulfide	-	-	24 (≤20)	MW-11 MW-10 MW-12 MW-13 MW-14 MLW 15-20 DUPE FIELD BLANK	UJ nondetects
WG983905-3/4	Trichlorofluoromethane	60 (62-150)	-	-	MLW 35-40 MW-15	UJ nondetects
WG984208-3/4	Naphthalene 1,2,3-Trichlorobenzene	51 (70-130) 63 (70-130)	52 (70-130) 64 (70-130)	- -	TRIP BLANK	UJ nondetects UJ nondetects

- Within limits

Validation action was not required for carbon disulfide due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

The carbon disulfide result for the samples listed above was estimated due to LCS/LCSD relative percent difference exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The trichlorofluoromethane, naphthalene, and 1,2,3-trichlorobenzene results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-14 and DUPE were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD (Limits)
	MW-14	DUPE	
Methylene chloride	7.0	7.0U	Not comparable
Tetrachloroethene	39	38	3
Vinyl chloride	300	390	26
Trichloroethene	11	11	0
cis-1,2-Dichloroethene	660	900	31
1,2-Dichloroethene, total	660	900	31
1,1-Dichloroethene	1.7U	1.8	Not comparable

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-14 DUPE	10-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-01	Date Collected	: 03/01/17 10:30
Client ID	: MW-11	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A17	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

[redacted]

ALPHA ANALYTICAL

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-01	Date Collected	: 03/01/17 10:30
Client ID	: MW-11	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A17	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

MAR 28 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-01	Date Collected	: 03/01/17 10:30
Client ID	: MW-11	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A17	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-02	Date Collected	: 03/01/17 11:00
Client ID	: MW-10	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 15:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A18	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.78	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

MAR 28 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-02	Date Collected	: 03/01/17 11:00
Client ID	: MW-10	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 15:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A18	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.39	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

MAR 28 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-02	Date Collected	: 03/01/17 11:00
Client ID	: MW-10	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 15:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A18	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-03	Date Collected	: 03/01/17 11:55
Client ID	: MW-12	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A19	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	2.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.8	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-03	Date Collected	: 03/01/17 11:55
Client ID	: MW-12	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A19	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U V
79-01-6	Trichloroethene	0.57	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U V
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U VJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U V
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.1	2.5	0.70	J J
540-59-0	1,2-Dichloroethene, Total	1.1	2.5	0.70	J J
74-95-3	Dibromomethane	ND	5.0	1.0	U U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U VJ
67-64-1	Acetone	ND	5.0	1.5	U V
75-15-0	Carbon disulfide	ND	5.0	1.0	U VJ
78-93-3	2-Butanone	ND	5.0	1.9	U VJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U V
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U VJ
591-78-6	2-Hexanone	ND	5.0	1.0	U VJ
74-97-5	Bromochloromethane	ND	2.5	0.70	U V
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

MAR 28 2017

Initials: cr

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-03	Date Collected	: 03/01/17 11:55
Client ID	: MW-12	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A19	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-04	Date Collected	: 03/01/17 12:16
Client ID	: MW-13	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 16:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	1.4	1.5	0.50	J
127-18-4	Tetrachloroethene	3.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.96	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	2.0	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	66	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-04	Date Collected	: 03/01/17 12:16
Client ID	: MW-13	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 16:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	2.0	2.5	0.70	J
79-01-6	Trichloroethene	2.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	1.4	2.5	0.70	J
1330-20-7	Xylenes, Total	1.4	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	18	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	20	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-04	Date Collected	: 03/01/17 12:16
Client ID	: MW-13	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 16:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.2	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.2	2.0	0.54	
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-05D	Date Collected	: 03/01/17 12:50
Client ID	: MW-14	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 17:44
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A22	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	7.0	25	7.0	J J
75-34-3	1,1-Dichloroethane	ND	25	7.0	U U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	39	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
542-75-6	1,3-Dichloropropene, Total	ND	5.0	1.4	U
563-58-6	1,1-Dichloropropene	ND	25	7.0	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U UJ
74-83-9	Bromomethane	ND	25	7.0	U UJ
75-01-4	Vinyl chloride	300	10	0.71	J
75-00-3	Chloroethane	ND	25	7.0	U UJ
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U U

ALPHA ANALYTICAL

MAR 28 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-05D	Date Collected	: 03/01/17 12:50
Client ID	: MW-14	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 17:44
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A22	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	11	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
1330-20-7	Xylenes, Total	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	660	25	7.0	
540-59-0	1,2-Dichloroethene, Total	660	25	7.0	
74-95-3	Dibromomethane	ND	50	10.	U
96-18-4	1,2,3-Trichloropropane	ND	25	7.0	U
107-13-1	Acrylonitrile	ND	50	15.	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-05-4	Vinyl acetate	ND	50	10.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
594-20-7	2,2-Dichloropropane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
142-28-9	1,3-Dichloropropane	ND	25	7.0	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	7.0	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-05D	Date Collected	: 03/01/17 12:50
Client ID	: MW-14	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 17:44
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A22	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	25	7.0	U
104-51-8	n-Butylbenzene	ND	25	7.0	U
135-98-8	sec-Butylbenzene	ND	25	7.0	U
98-06-6	tert-Butylbenzene	ND	25	7.0	U
95-49-8	o-Chlorotoluene	ND	25	7.0	U
106-43-4	p-Chlorotoluene	ND	25	7.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
87-68-3	Hexachlorobutadiene	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
99-87-6	p-Isopropyltoluene	ND	25	7.0	U
91-20-3	Naphthalene	ND	25	7.0	U
103-65-1	n-Propylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	25	7.0	U
95-63-6	1,2,4-Trimethylbenzene	ND	25	7.0	U
123-91-1	1,4-Dioxane	ND	2500	610	U
105-05-5	p-Diethylbenzene	ND	20	7.0	U
622-96-8	p-Ethyltoluene	ND	20	7.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	20	5.4	U
60-29-7	Ethyl ether	ND	25	7.0	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	25	7.0	U

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-06	Date Collected	: 03/01/17 13:20
Client ID	: MLW 15-20	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 17:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A21	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.23	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-06	Date Collected	: 03/01/17 13:20
Client ID	: MLW 15-20	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 17:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A21	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.21	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-06	Date Collected	: 03/01/17 13:20
Client ID	: MLW 15-20	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 17:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A21	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-07	Date Collected	: 03/01/17 13:45
Client ID	: MLW 35-40	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/09/17 10:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05170309A07	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	0.26	0.50	0.18	J	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	UJ
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U	
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-07	Date Collected	: 03/01/17 13:45
Client ID	: MLW 35-40	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/09/17 10:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05170309A07	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U V
79-01-6	Trichloroethene	0.29	0.50	0.18	J J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U V
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U UJ
74-97-5	Bromochloromethane	ND	2.5	0.70	U V
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

MAR 28 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-07	Date Collected	: 03/01/17 13:45
Client ID	: MLW 35-40	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/09/17 10:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05170309A07	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-08	Date Collected	: 03/01/17 14:10
Client ID	: MW-15	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/09/17 10:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05170309A08	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.96	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	7.5	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

MAR 28 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-08	Date Collected	: 03/01/17 14:10
Client ID	: MW-15	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/09/17 10:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05170309A08	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	2.2	2.5	0.70	J
79-01-6	Trichloroethene	3.5	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	18	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	20	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.3	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-08	Date Collected	: 03/01/17 14:10
Client ID	: MW-15	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/09/17 10:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05170309A08	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U V
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U UJ
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U V
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U V
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U UJ
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U V
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U V
123-91-1	1,4-Dioxane	ND	250	61.	U UJ
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U V
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U V
95-93-2	1,2,4,5-Tetramethylbenzene	3.0	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U V
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U V

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-09D	Date Collected	: 03/01/17 00:00
Client ID	: DUPE	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 18:12
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A23	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	38	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
542-75-6	1,3-Dichloropropene, Total	ND	5.0	1.4	U
563-58-6	1,1-Dichloropropene	ND	25	7.0	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	390	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	1.8	5.0	1.7	J

MAR 2 8 2017

Initials:

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-09D	Date Collected	: 03/01/17 00:00
Client ID	: DUPE	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 18:12
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A23	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U V
79-01-6	Trichloroethene	11	5.0	1.8	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U V
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U UJ
179601-23-1	p/m-Xylene	ND	25	7.0	U V
95-47-6	o-Xylene	ND	25	7.0	U
1330-20-7	Xylenes, Total	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	900	25	7.0	
540-59-0	1,2-Dichloroethene, Total	900	25	7.0	
74-95-3	Dibromomethane	ND	50	10.	U V
96-18-4	1,2,3-Trichloropropane	ND	25	7.0	U
107-13-1	Acrylonitrile	ND	50	15.	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U UJ
67-64-1	Acetone	ND	50	15.	U V
75-15-0	Carbon disulfide	ND	50	10.	U UJ
78-93-3	2-Butanone	ND	50	19.	U UJ
108-05-4	Vinyl acetate	ND	50	10.	U V
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U UJ
591-78-6	2-Hexanone	ND	50	10.	U UJ
74-97-5	Bromochloromethane	ND	25	7.0	U V
594-20-7	2,2-Dichloropropane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
142-28-9	1,3-Dichloropropane	ND	25	7.0	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	7.0	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-09D	Date Collected	: 03/01/17 00:00
Client ID	: DUPE	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 18:12
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A23	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	25	7.0	U
104-51-8	n-Butylbenzene	ND	25	7.0	U
135-98-8	sec-Butylbenzene	ND	25	7.0	U
98-06-6	tert-Butylbenzene	ND	25	7.0	U
95-49-8	o-Chlorotoluene	ND	25	7.0	U
106-43-4	p-Chlorotoluene	ND	25	7.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
87-68-3	Hexachlorobutadiene	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
99-87-6	p-Isopropyltoluene	ND	25	7.0	U
91-20-3	Naphthalene	ND	25	7.0	U
103-65-1	n-Propylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
108-67-8	1,3,5-Trimethylbenzene	ND	25	7.0	U
95-63-6	1,2,4-Trimethylbenzene	ND	25	7.0	U
123-91-1	1,4-Dioxane	ND	2500	610	U
105-05-5	p-Diethylbenzene	ND	20	7.0	U
622-96-8	p-Ethyltoluene	ND	20	7.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	20	5.4	U
60-29-7	Ethyl ether	ND	25	7.0	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	25	7.0	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-10	Date Collected	: 03/01/17 14:30
Client ID	: FIELD BLANK	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 14:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A16	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

ALPHA ANALYTICAL

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-10	Date Collected	: 03/01/17 14:30
Client ID	: FIELD BLANK	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 14:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A16	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U V
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U UJ
179601-23-1	p/m-Xylene	ND	2.5	0.70	U V
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U UJ
67-64-1	Acetone	ND	5.0	1.5	U V
75-15-0	Carbon disulfide	ND	5.0	1.0	U UJ
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U V
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U UJ
74-97-5	Bromochloromethane	ND	2.5	0.70	U V
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

ALPHA ANALYTICAL

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-10	Date Collected	: 03/01/17 14:30
Client ID	: FIELD BLANK	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/06/17 14:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V08170306A16	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-11	Date Collected	: 02/24/17 00:00
Client ID	: TRIP BLANK	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/08/17 14:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01170308B11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

MAR 2 8 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-11	Date Collected	: 02/24/17 00:00
Client ID	: TRIP BLANK	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/08/17 14:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01170308B11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1706520
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1706520-11	Date Collected	: 02/24/17 00:00
Client ID	: TRIP BLANK	Date Received	: 03/02/17
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/08/17 14:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01170308B11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
108-86-1	Bromobenzene	ND	2.5	0.70	U V
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U V
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U UJ
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U V
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U UJ
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U V
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

MAR 2 8 2017

ALPHA ANALYTICAL

Initials: CR

LDC #: 38287A1
SDG #: L1706520
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 3/26/17
Page: 1 of 2
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW/SW	% RSD ≤ 20, 1 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB= 10 TB = 11
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	
X.	Field duplicates	SW	D:- 5,9
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	MDL<Result≤RL: J det
XIII.	Target compound identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1 1	MW-11	L1706520-01	Water	03/01/17
2 1	MW-10	L1706520-02	Water	03/01/17
3 1	MW-12	L1706520-03	Water	03/01/17
4 1	MW-13	L1706520-04	Water	03/01/17
5 1	MW-14 10X	L1706520-05	Water	03/01/17
6 1	MLW 15-20	L1706520-06	Water	03/01/17
7 3	MLW 35-40	L1706520-07	Water	03/01/17
8 3	MW-15	L1706520-08	Water	03/01/17
9 1	DUPE 10X	L1706520-09	Water	03/01/17
10 1	FIELD BLANK	L1706520-10	Water	03/01/17
11 2	TRIP BLANK	L1706520-11	Water	02/24/17
12 1	MW-14MS	L1706520-05MS	Water	03/01/17
13 1	MW-14MSD	L1706520-05MSD	Water	03/01/17

LDC #: 38287A1

SDG #: L1706520

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 3/26/17

Page: 2 of 2

Reviewer: PW

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14				
15				
16				
17				
18				

Notes:

1	WG983232-5						
2	WG983905-5						
3	WG984208-5						

LDC #: 38287A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓	✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of > 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?		✓		
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			

LDC #: 38287A1

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤20 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	11/1/16	ICAL-VOA108	HHHH		0.001 (≥0.005)	1-6, 9, 10, 12, 13 WG983232-5	J/UJ/Δ (ND)
	11/25/16 17	ICAL-VOA105	HHHH		0.001 (≥0.005)	7, 8, WG984208-5	J/UJ/Δ (ND)
	3/1/16 17	ICAL-VOA101	HHHH		0.001 (≥0.005)	11, WG983905-5	J/UJ/Δ (ND)

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ~~≤20%~~ 30 %D? FT

#	Date	Standard ID	Compound	Finding %D (Limit: ~~≤20.0%~~ 30)	Associated Samples	Qualifications
	11/2/16	ICV-VOA 108	JJ	65.4	1→6, 9, 10, 12, 13	J/UJ/A (ND)
			A	38.6	WG983232-5	↓
	3/1/17	ICV-VOA 101	G	30.9	11, WG983905-5	↓ (ND)

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
1	3/6/17	CCV-VOA108	JJ	22.8		1-6, 9, 10	J/UJ/A (ND+Det)
	0857		C	39.4		12, 13,	
			B	41.2		WG983232-5	
			D	32.2			
			G	43.2			
			LL	22.1			
			M	25.9			
			HHHH	21.5			
			HHH		0.00073 (≥0.005)		
			Y	27.4			
			Z	35.5			
			*	33.9			
			MM	22.5			
3	3/9/17	CCV-VOA105	HHHH	24.0		7, 8, WG984208-5	J/UJ/A (ND+Det)
	08:11		HHH		0.00038 (<0.005)		
			Y	38.8			
			Z	36.4			
			*	25.9			
			MM	20.7			
	* 1,2,4,5 - Tetramethylbenzene						

CONCAL.wpd

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	3/9/17	CCV-VOA105	KKK	30.3		7,8,WG984208-5	J/UJ/Δ (ND+Det)
	0811		MMM	49.0			
			NNN	37.3			
2	3/8/17	CCV-VOA101	JJ	37.6		11,WG983905-5	J/UJ/Δ (ND)
	0954		C	21.5			
			KK	36.7			
			H	22.6			
			G	23.3			
			GGGG	25.8			
			θ	26.0			
			S	21.1			
			HHHH	26.6			
			HHHH		0.00047 (≥0.005)		
			ΔΔ	21.1			
			SSS	24.7			
			X	36.4			

CONCAL.wpd

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Surrogate Spikes

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all surrogate %R within QC limits?

Y (N) N/A If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R out of outside of criteria?

#	Sample ID	Surrogate	%Recovery (Limits)	Qualifications
	8	BFB	141 (70-130)	Jdet /P ND + Det
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	
			( )	

	QC Limits (Soil)	QC Limits (Water)
SMC1 (TOL) = Toluene-d8	85-115	85-120
SMC2 (BFB) = Bromofluorobenzene	85-120	75-120
SMC3 (DCE) = 1,2-Dichloroethane-d4	60-120	70-120
SMC4 (DFM) = Dibromofluoromethane	75-125	85-115

.LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD : GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	13 & 14	B	22 (39-139)	35 (39-139)	( )	5	J/UJ/A all ND
		D	( )	140 (55-138)	( )	↓	J det/P
		B	( )	( )	46 (20)	↓	↓
		HHH	( )	( )	31 (20)	↓	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG983232-3/4	G	140 (51-130)	( )	( )	1→6, 9, 10,	J det/P ND
		G	( )	( )	24 (20)	WG983232-5	J/UJ/P ↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
	WG983905-3/4	KK	60 (62-150)	( )	( )	11, WG983905-5	J/UJ/P ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
	WG984208-3/4	MMM	51 (70-130)	52 (70-130)	( )	7, 8, WG942088-5	J/UJ/P ND
		NNN	63 (70-130)	64 (70-130)	( )	↓	↓ ↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 38287A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: EJ
2nd Reviewer:

METHOD: GCMS VOA (EPA SW 846 Method 8260C)

Compound	Concentration (ug/L)		RPD≤ 30%
	5	9	
E	7.0	7.0U	NC
AA	39	38	3
C	300	390	26
S	11	11	0
QQQ	660	900	31
J	660	900	31
H	1.7U	1.8	NC

V:\FIELD DUPLICATES\38287A1.wpd

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260~~B~~S)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (30 std)	Recalc RRF (30 std)	Reported Average RRF (initial)	Recalc Average RRF (initial)	Reported %RSD	Recalc %RSD
1	ICAL A108	11/1/16	C (1st internal standard)	0.265	0.265	0.259	0.259	7.85	7.85
			CC (2nd internal standard)	0.772	0.772	0.764	0.764	6.71	6.71
			BB (3rd internal standard)	0.456	0.456	0.456	0.456	3.83	3.83
			(4th internal standard)						
2	ICAL A105	1/25/17	C (1st internal standard)	0.153	0.153	0.156	0.156	7.94	7.94
			CC (2nd internal standard)	0.470	0.470	0.475	0.475	5.00	5.00
			BB (3rd internal standard)	0.261	0.261	0.261	0.261	3.60	3.600
			(4th internal standard)						
3	ICAL A101	3/1/17	C (1st internal standard)	0.317	0.317	0.326	0.326	12.46	12.46
			CC (2nd internal standard)	0.719	0.719	0.711	0.711	8.47	8.47
			BB (3rd internal standard)	0.272	0.272	0.274	0.274	4.04	4.04
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260~~B~~C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV VOA 108 8:57	3/6/17	C (1st internal standard)	0.259	0.361	0.361	39.4	39.4
			CC (2nd internal standard)	0.764	0.889	0.889	16.4	16.4
			BB (3rd internal standard)	0.456	0.449	0.449	1.5	1.5
			(4th internal standard)					
2	CCV VOA 105 8:11	3/9/17	C (1st internal standard)	0.156	0.145	0.145	7.1	7.1
			CC (2nd internal standard)	0.475	0.484	0.484	1.9	1.9
			BB (3rd internal standard)	0.261	0.225	0.225	13.8	13.8
			(4th internal standard)					
3	CCV VOA 101 0954	3/8/17	C (1st internal standard)	0.326	0.256	0.256	21.5	21.5
			CC (2nd internal standard)	0.711	0.597	0.597	16.0	16.0
			BB (3rd internal standard)	0.274	0.244	0.244	10.9	10.9
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260~~B~~C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.941	109	109	0
1,2-Dichloroethane-d4	↓	10.930	109	109	↓
Toluene-d8		10.716	107	107	
Bromofluorobenzene		10.351	104	104	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA Method 8260~~B~~C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 13 + 14

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	100	100	ND	100	110	100	100	110	110	10	10
Trichloroethene	↓	↓	11	~~100~~ 110	~~100~~ 120	~~110~~ 99	99	109	109	9	9
Benzene			ND	98	110	98	98	110	110	12	12
Toluene			ND	100	110	100	100	110	110	10	10
Chlorobenzene	↓	↓	↓	~~100~~ 98	110	98	98	110	110	12	12

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer: G

METHOD: GC/MS VOA (EPA Method 8260~~B~~C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG983232-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	11	10	110	110	100	100	10	10
Trichloroethene			11	9.6	110	110	96	96	14	14
Benzene			10	9.4	100	100	94	94	6	6
Toluene			12	10	120	120	100	100	18	18
Chlorobenzene			11	9.4	110	110	94	94	16	16

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 38287A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer: C

METHOD: GC/MS VOA (EPA SW 846 Method 8260~~B~~C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #2, C:

Conc. = $\frac{3911\ (10)}{192661\ (0.259)}$

= 0.78 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C224157**

Site Name Former Brighton Cleaners

Site Address: 3140 Coney Island Ave Zip Code: 11235
City/Town: Brooklyn
County: Kings
Site Acreage: 0.1

Reporting Period: December 17, 2015 to March 18, 2017

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☒	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224157 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
8678-64	3140 Coney Island Realty, LLC	Monitoring Plan O&M Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan

- compliance with the Environmental Easement and the approved SMP;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH or county DOH;
- allows the use and development of controlled property for Restricted residential, commercial, and industrial use as defined in Part 375-1.8(g), although land use is subject to local zoning laws.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
8678-64	Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction Groundwater Treatment System

- site cover system
- soil vapor extraction system
- ssds system
- in-situ chemical oxidation (ISCO)

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C224157

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Oleg Plinshtyn (print name) at 3140 Coney Island Realty (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

4-26-17
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PAUL K. BOYCE (print name) at 630 JOHNSON AVENUE, SUITE 7 BOHEMIA, N.Y. 11716 (print business address),

am certifying as a Professional Engineer for the 3140 Coney Island Realty (Owner) (Owner or Remedial Party)

STATE OF NEW YORK
PAUL KENNETH BOYCE
074604
LICENSED PROFESSIONAL ENGINEER

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

05.01.17
Date