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: March 18, 2017 to March 18, 2018

	YES	NO
1. Is the information above correct?	X	
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?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
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?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	
7. Are all ICs/ECs in place and functioning as designed?	X	

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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?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
X	☐

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
X	☐

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 Blinshteyn (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

4-13-18
Date

IC/EC CERTIFICATIONS

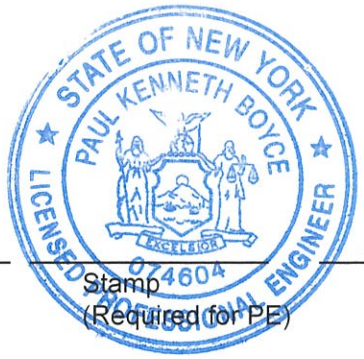
Box 7

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 at P.W. GROSSER CONSULTING, 630 JOHNSON AVE, SUITE 7, BOHEMIA NY 11716,
print name print business address

am certifying as a Professional Engineer for the Owner (3140 Coney Island Realty)
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

04.25.18
Date

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

PERIODIC REVIEW REPORT

March 18, 2017 through March 18, 2018



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:

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PWGC Project Number: CIR1801

April 2018

PWGC
Strategic Environmental Engineering Solutions

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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.

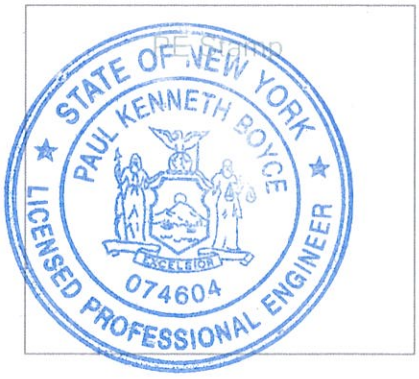
I certify that information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Paul Boyce, of 630 Johnson Avenue, Bohemia, NY 11716, am certifying as the Owner's Designated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

PAUL K. BOYCE, P.E.
Name

074604
PE License Number

Paul Boyce
Signature

04.25.18
Date



1.0 INTRODUCTION

P.W. Grosser Consulting Engineer & 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 updated October 6, 2017, and NYSDEC DER-10 Section 6.3. The SMP was updated following approval by NYSDEC recommendation within the 2017 Periodic Review Report which will be further discussed below. This report covers Site activities from March 18, 2017 through March 18, 2018.

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 dry cleaner 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 October 2017 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

Monitoring Program	Frequency
SVE System Influent Sampling	Annual
SVE System Operational Data	Monthly
Vacuum Monitoring Wells	Quarterly
SSDS Effluent Sampling	Not in operation at this time. 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, eleven sets of samples have been collected from the SVE system, 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 four 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 14, 2018 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, a new monitoring well was installed on September 13, 2017. Additionally, groundwater sampling activities were performed on the following dates: June 1, 2017, September 20, 2017, December 13, 2017, and March 14, 2018. All monitoring wells and manhole covers were inspected for integrity; no deficiencies were identified.

3.1 Monitoring well installation

On September 13, 2017, monitoring well MW-17 was installed approximately 8 feet east of MW-16 and was constructed of 4 inch diameter PVC with a 10 foot screen. As refusal was encountered at a depth of 12.5 feet, the screen was installed between 2.5 feet below the slab to 12.5 feet below the slab with a flush mount cover. During the installation of MW-17, petroleum stained soils were observed at a depth of 12 feet. A monitoring well construction log has been included as **Appendix B**.

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

Excluding the monitoring well in the basement (MW-15), groundwater elevations generally did not differ greatly across the Site and at the two off-Site monitoring wells during the June 2017, September 2017, and March 2018 sampling events; however, the groundwater elevations appear to have decreased approximately half of a foot during the December 2017 sampling event. Regional groundwater flow direction is towards the south.

3.2.1 Groundwater Sampling

Quarterly groundwater samples were collected from each of the ten monitoring wells, including the two shallowest intervals of the multi-level monitoring well. 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.

3.2.2 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 or equivalent. When measurements stabilized in accordance with the United States Environmental Protection Agency (USEPA) standard operating procedure EQASOP-GW001, purging was completed and the water quality meter 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 over each quarterly sampling event during this reporting period are attached in **Appendix C**.

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.

3.2.3 Analytical Results

Analytical results for the four sampling events during this reporting period are summarized on **Tables 2A** through **2D**. The compounds exceeding AWQS primarily consisted of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC).

Concentrations in MW-12, MW-13, MW-14, MW-15, MW-16, and MW-17 have exceeded AWQS during one or more of the sampling events during this reporting period. The highest total chlorinated VOC (CVOC) concentrations have consistently been observed in MW-14 ranging between 2,349 µg/L in June 2017 and 233 µg/L in December 2017. 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. Excluding MW-14, the highest CVOC concentration observed in any of the other wells during this reporting period was 381.25 µg/L in MLWell1 (15-20') and no other well since October 2015 has had a CVOC concentration greater than 500 µg/L since routine monitoring began in October 2015. 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.**

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.

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 four sampling events. MW-16 was sampled three times during this PRR reporting period and was near non-detect for the four chlorinated solvents excluding one minor exceedance of VC.

As shown on **Charts 1** and **2**, the hydrographs for each of the monitoring wells and the sum of CVOC concentrations across all wells (starting with the October 2015 sampling event) clearly illustrates a downward trend of CVOC concentrations.

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

4.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING AND SAMPLING

Based upon PWGC's recommendations in the 2017 Periodic Review Report, the NYSDEC agreed to reduce the quarterly influent and effluent vapor sample collection from the SVE system to an annual sampling event and that the carbon filtration system could be disconnected from the remedial system. This approval was documented in a July 18, 2017 letter from the NYSDEC, included as **Appendix E** and the SMP was updated accordingly**.**

The soil vapor extraction system has been operating within normal parameters during this reporting period. The SVE system has not experienced unexpected shutdowns or non-routine maintenance related to its operation. Parameter readings collected during this reporting period were within range of their expected values.

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.
- Annual 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.

The SVE efforts were performed on June 1, 2017; analytical results are included in **Appendix D**.

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 F**. 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. On September 13, 2017, the three vacuum monitoring points were replaced or repaired. The thin layer of concrete that was placed over the manhole cover of VM-06 was removed. The thin layer of concrete that was placed over VM-12 was also removed and the point was reset by removing the PVC pipe and re-drilling the location, installing the pipe, and placing a sand layer around the pipe; the concrete around VM-12 was restored. VM-11 could not be located as it was also paved over; therefore, a new point was installed in the approximate location of the former VM-11. The construction of VM-11 was consistent with Sheet 2, Detail E of the As-Built plans included as Appendix C in the SMP.

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 F**. As of March 14, 2018, the SVE system has operated for a total of 19,963 hours (approximately 832 days of the total 860 days since system start-up).

Annual sampling of the SVE system was conducted on June 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. 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. During this reporting period, the PCE concentration was 624 µg/m^3. As shown on **Chart 3**, influent TVOC concentrations have decreased significantly since system start-up although there was a slight increase during this reporting period largely attributable to acetone and 2-butanone, typical laboratory contaminants.

During this reporting period, the effluent sample contained non-detectable concentrations of PCE, TCE, and VC, but there was still a detection of DCE that was higher than the influent concentration. 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 potentially associated with the filter in the treatment drum. As approved by the NYSDEC, during the 2nd quarter 2017, the carbon drum was disconnected from the system due to the low concentrations observed in the influent samples.

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

A total of 13.5901 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 vacuum reading for gauge VI-703, which is located just before the Rotron blower, in accordance with Rotron's 60 Hz Blower Performance curve included as **Appendix G**.

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 H**. **Tables 2A** through **2D** 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 with the exception of the known patchwork at the repaired/replaced vapor monitoring points and around the newly installed MW-17. This patchwork is not affecting the integrity of the composite cover system. 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 March 18, 2017 through March 18, 2018 in accordance with the Site Management Plan and NYSDEC DER-10 Section 6.3.

The following non-routine activities occurred during this reporting period:

- On September 13, 2017, a new monitoring well, MW-17, was installed approximately 8 feet east of MW-16. This well has been incorporated into the routine groundwater sampling schedule.
- On September 13, 2017, vacuum monitoring points VM-6, VM-11, and VM-12 were repaired or replaced.
- The carbon treatment drum was removed from the SVE system and the sampling frequency was reduced from quarterly to annually, as approved by the NYSDEC on July 18, 2017.

During this reporting period, groundwater samples were collected on a quarterly basis for a total of four sampling events. Analytical results revealed concentrations in MW-12, MW-13, MW-14, MW-15, MW-16, and MW-17 have exceeded AWQS during one or more of the sampling events. The compounds exceeding AWQS primarily consisted of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC). 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.

Annual sampling of the SVE system was conducted on June 1, 2017. During this reporting period, the PCE concentration (624 µg/m^3) was significantly lower than it was when the SVE system was started (5,530 µg/m^3). PCE has consistently been the highest CVOC concentration observed in the influent samples with DCE, TCE, and VC significantly lower. 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 potentially associated with the contents of the treatment drum.

Operational parameters have been collected on a monthly basis from the system. As of March 14, 2018, the system has been operating for 19,963 hours and during that time, a total of 13.5901 pounds of TVOCs have been successfully removed from the subsurface. PCE and TCE concentrations have continued to decrease in the SVE system influent sample

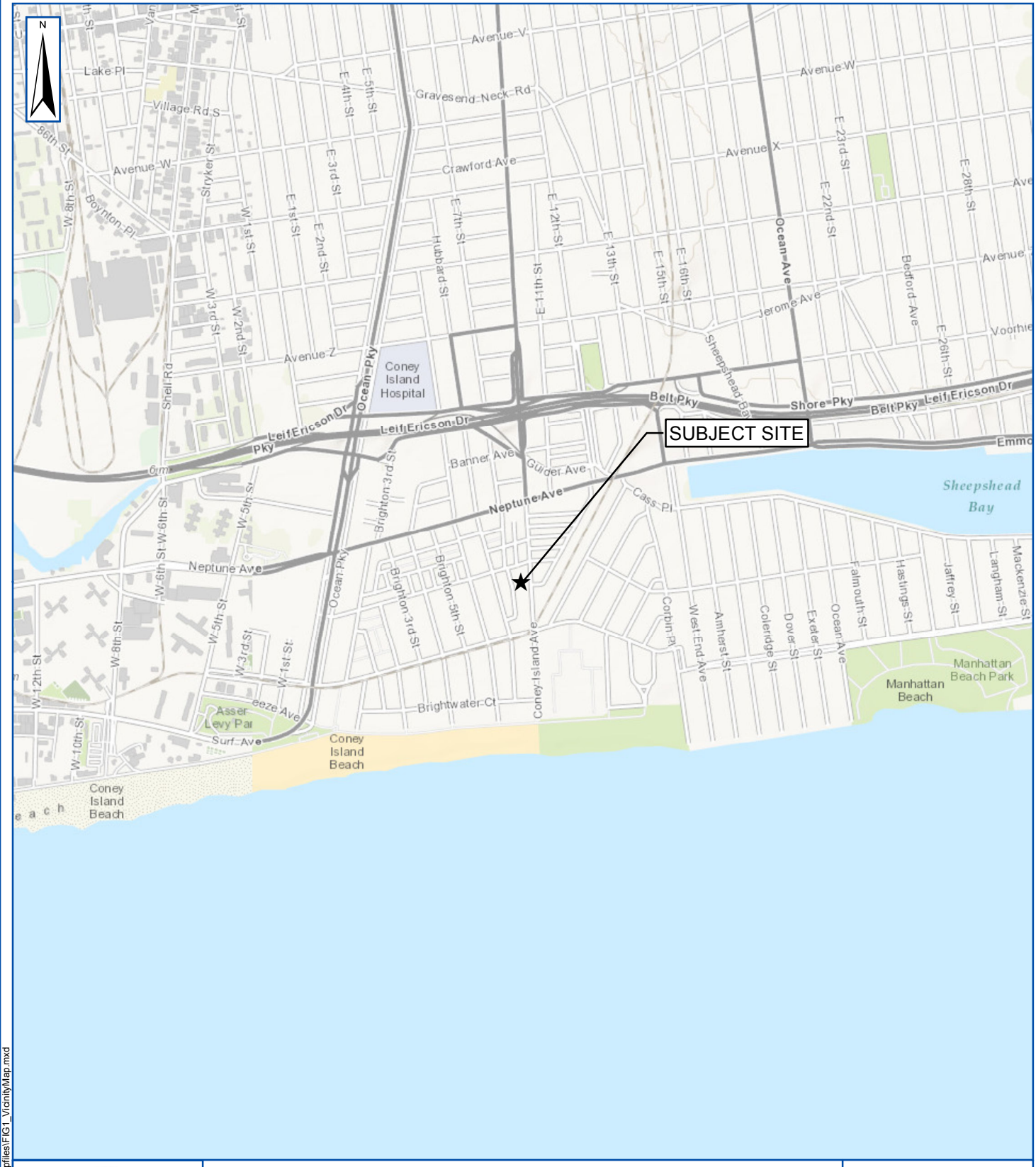
At this time, PWGC offers the following recommendations for the site:

- Continue implementation of the NYSDEC approved SMP.
- Perform SVE system maintenance, as necessary, for continued, uninterrupted operation of the system.
- Continue monthly monitoring of the SVE system.
- Continue quarterly groundwater monitoring and sampling. The next sampling event will be in June 2018.
- Continue quarterly vacuum point monitoring. The next quarterly event will occur in June 2018.
- Continue annual sampling of the SVE influent port with the next sampling event occurring in June 2018.
- Continue quarterly reporting with the next report submitted in July 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

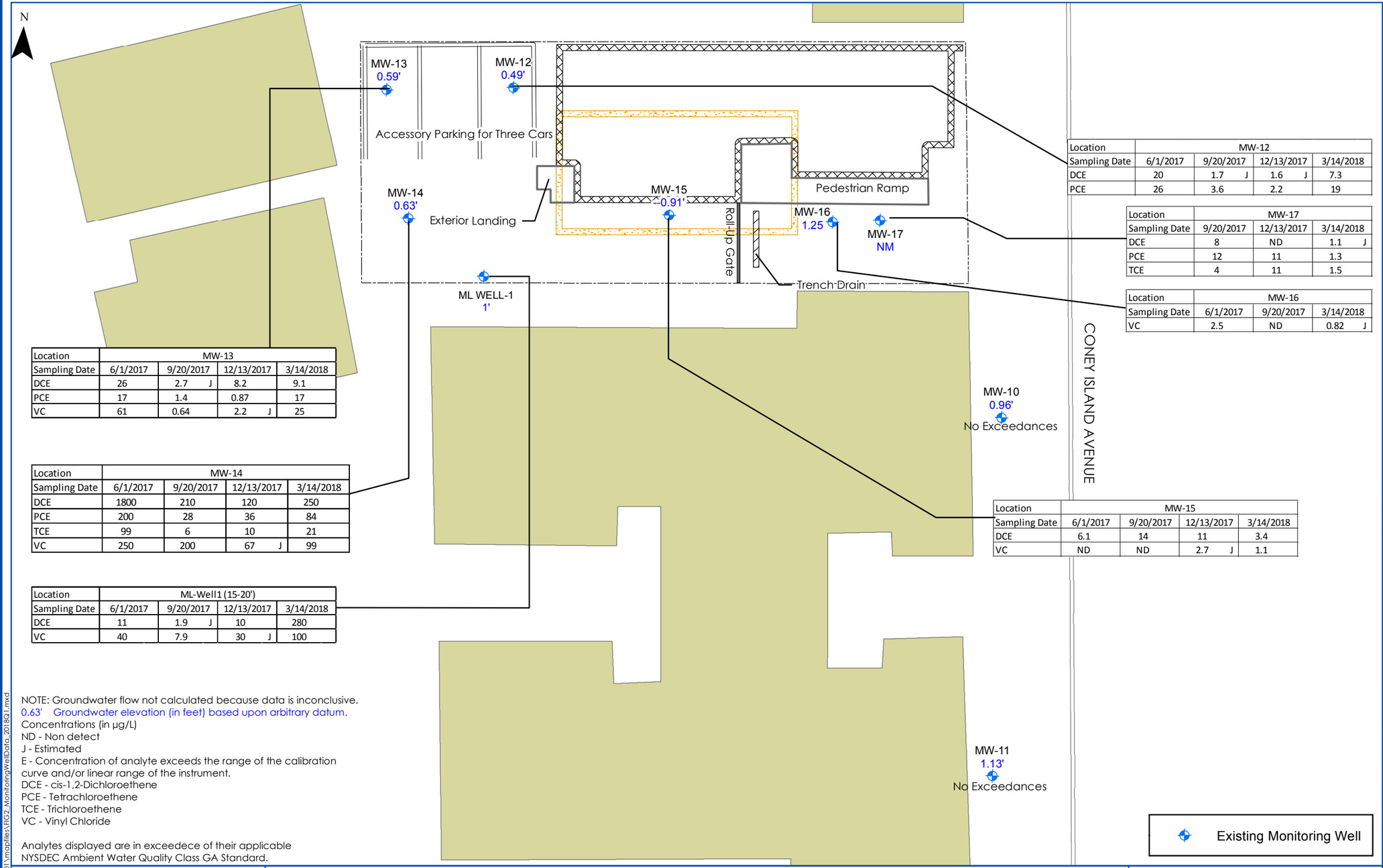
3104 Coney Island Avenue
Brooklyn, NY

0 ¼ ½ ¾ 1 Miles

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

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Location	MW-13			
Sampling Date	6/1/2017	9/20/2017	12/13/2017	3/14/2018
DCE	26	2.7 J	8.2	9.1
PCE	17	1.4	0.87	17
VC	61	0.64	2.2 J	25

Location	MW-14			
Sampling Date	6/1/2017	9/20/2017	12/13/2017	3/14/2018
DCE	1800	210	120	250
PCE	200	28	36	84
TCE	99	6	10	21
VC	250	200	67 J	99

Location	ML-Well1 (15-20')			
Sampling Date	6/1/2017	9/20/2017	12/13/2017	3/14/2018
DCE	11	1.9 J	10	280
VC	40	7.9	30 J	100

Location	MW-12			
Sampling Date	6/1/2017	9/20/2017	12/13/2017	3/14/2018
DCE	20	1.7 J	1.6 J	7.3
PCE	26	3.6	2.2	19

Location	MW-17		
Sampling Date	9/20/2017	12/13/2017	3/14/2018
DCE	8	ND	1.1 J
PCE	12	11	1.3
TCE	4	11	1.5

Location	MW-16		
Sampling Date	6/1/2017	9/20/2017	3/14/2018
VC	2.5	ND	0.82 J

Location	MW-15			
Sampling Date	6/1/2017	9/20/2017	12/13/2017	3/14/2018
DCE	6.1	14	11	3.4
VC	ND	ND	2.7 J	1.1

NOTE: Groundwater flow not calculated because data is inconclusive.
0.63' 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.
DCE - cis-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
VC - Vinyl Chloride

Analytes displayed are in exceedece of their applicable NYSDEC Ambient Water Quality Class GA Standard.

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

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REVISION	DATE	INITIAL	COMMENTS

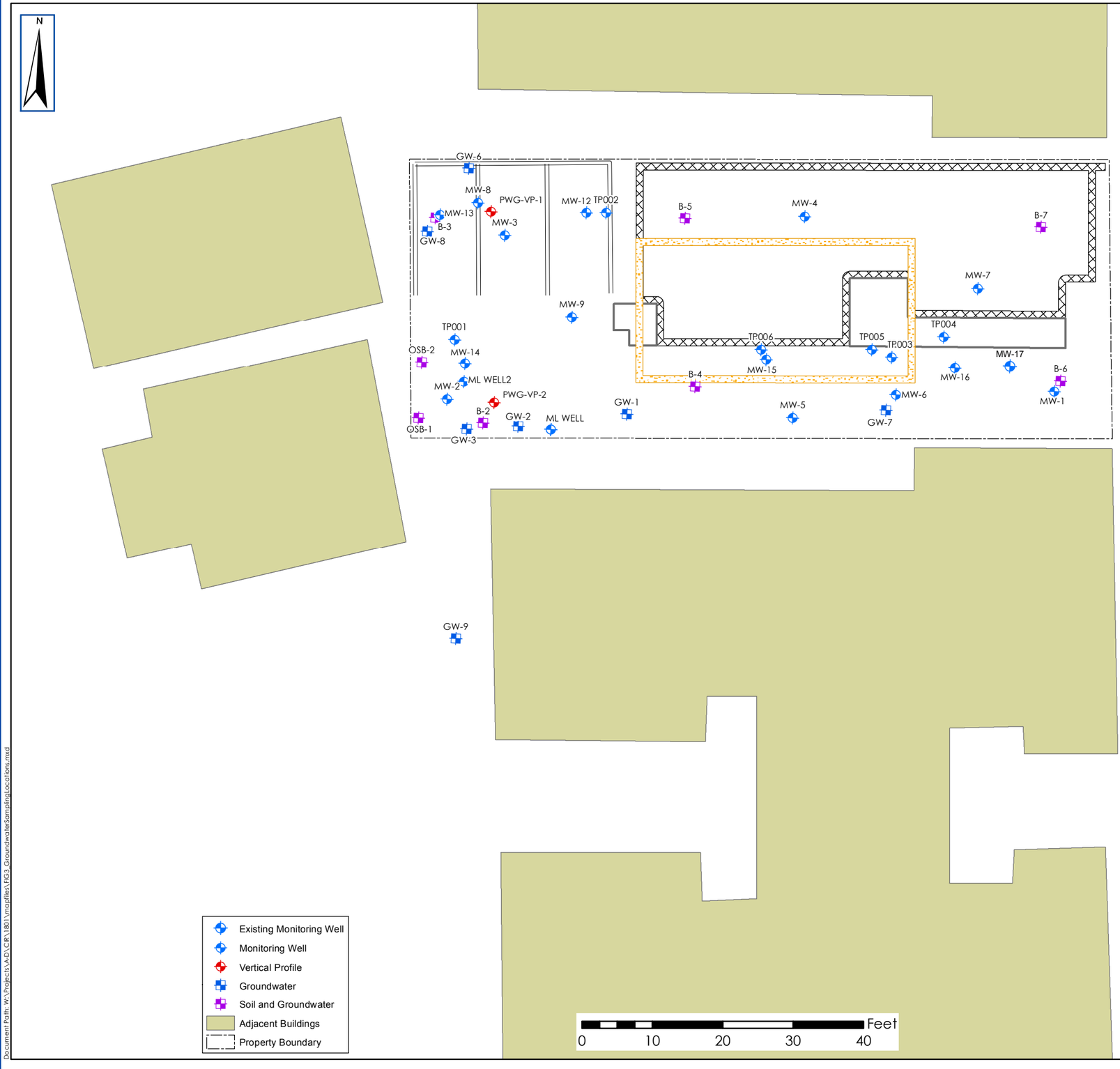
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Project:	CIR1801	Designed by:	JLL
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Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

2

Document Path: W:\Projects\A-D\CIR\1801\mxdfiles\FIG2_MonitoringWellData_201801.mxd



CONEY ISLAND AVENUE

Existing Monitoring Well
Curbline
CellarFootprint
First Floor Exterior Wall
Exterior landing
Pedestrian ramp

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SHALLOW GROUNDWATER SAMPLE LOCATIONS

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

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REVISION	DATE	INITIAL	COMMENTS

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Project:	CIR1201	Designed by:	JLL
Date:	4/20/2018	Drawn by:	WY
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FIGURE NO:

3

SHEET:

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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
June 1, 2017						
MW-10	9.60	14.61	NP	8.39	0.00	1.21
MW-11	9.73	15.29	NP	8.64	0.00	1.09
MW-12	9.65	13.11	NP	8.49	0.00	1.16
MW-13	9.89	13.51	NP	8.72	0.00	1.17
MW-14	9.85	12.62	NP	8.74	0.00	1.11
MW-15	2.49	4.63	NP	3.54	0.00	-1.05
MW-16	10.25	9.68	Sheen	9.11	0.00	1.14
ML WELL (15-20')	10.52	20.00	NP	8.93	0.00	1.59
ML WELL (35-40')	NM	40.00	NP	NM	0.00	NM
September 20, 2017						
MW-10	9.60	14.53	NP	8.41	0.00	1.19
MW-11	9.73	14.97	NP	8.56	0.00	1.17
MW-12	9.65	12.85	NP	8.44	0.00	1.21
MW-13	9.89	13.42	NP	8.68	0.00	1.21
MW-14	9.85	12.68	NP	8.70	0.00	1.15
MW-15	2.49	4.60	NP	3.32	0.00	-0.83
MW-16	10.25	9.70	8.99	9.01	0.02	1.24
MW-17	NM	12.20	NP	9.10	0.00	NM
ML WELL (15-20')	10.52	NM	NM	NM	NM	NM
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
December 13, 2017						
MW-10	9.60	14.61	NP	9.22	0.00	0.38
MW-11	9.73	15.29	NP	9.22	0.00	0.51
MW-12	9.65	13.11	NP	9.16	0.00	0.49
MW-13	9.89	13.51	NP	9.30	0.00	0.59
MW-14	9.85	12.62	NP	9.22	0.00	0.63
MW-15	2.49	4.63	NP	4.63	0.00	-2.14
MW-16	10.25	NM	NM	NM	NM	NM
MW-17	NM	11.70	NP	9.89	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.52	0.00	1.00
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
March 14, 2018						
MW-10	9.60	14.61	NP	8.64	0.00	0.96
MW-11	9.73	15.29	NP	8.60	0.00	1.13
MW-12	9.65	13.11	NP	8.52	0.00	1.13
MW-13	9.89	13.51	NP	8.70	0.00	1.19
MW-14	9.85	12.62	NP	8.66	0.00	1.19
MW-15	2.49	4.63	NP	3.40	0.00	-0.91
MW-16	10.25	9.45	NM	9.00	0.00	1.25
MW-17	NM	11.70	NP	9.20	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	8.73	0.00	1.79
ML WELL (35-40')	NM	NM	NM	NM	NM	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

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

Client Sample ID:	NYSDEC [1]	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	ML (15-20')	ML (35-40')	DUPE	Trip Blank
Laboratory ID:	Ambient Water Quality	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017	6/1/2017
Sampling Date:	Standards	L1718024-09	L1718024-08	L1718024-04	L1718024-03	L1718024-02	L1718024-01	L1718024-07	L1718024-05	L1718024-06	L1718024-10	L1718024-11
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	30 U	3 U	1.5 U	1.5 U	1.5 U	1.5 U	0.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 UJ	2.5 UJ	50 UJ	5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	7 J	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 UJ	2.5 UJ	50 UJ	5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2.9	40 U	4 U	11 J	4.4 J	2 UJ	2.4	0.65 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	1.6 J	50 U	5 U	2.5 U	2.5 U	2.5 U	1.5 J	0.7 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	40 U	4 U	2 U	2 U	2 U	2 U	0.65 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	20 U	2 U	1 U	1 U	1 U	1 U	0.13 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,4-Dioxane	NS	250 U	250 U	250 UJ	250 UJ	5000 UJ	500 UJ	250 UJ	250 UJ	250 UJ	250 U	41 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
2-Butanone	50	5 U	5 U	5 U	5 U	100 U	10 U	15	5 U	5 U	5 U	1.9 U
2-Hexanone	50	5 U	5 U	5 U	5 U	100 U	10 U	5 U	5 U	5 U	5 U	1 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 UJ	5 UJ	100 UJ	10 UJ	5 U	5 U	5 U	5 U	1 U
Acetone	50	5 UJ	5 UJ	5 U	5 U	100 U	10 U	25	1.7 J	5 U	5 UJ	1.5 UJ
Acrylonitrile	5	5 U	5 U	5 U	5 U	100 U	10 U	5 U	5 U	5 U	5 U	1.5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.59	10 U	1 U	0.5 U	0.5 U	0.5 U	0.53	0.16 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U
Bromoform	50	2 U	2 U	2 U	2 U	40 U	4 U	2 U	2 U	2 U	2 U	0.65 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	50 UJ	5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	0.7 UJ
Carbon disulfide	60	5 U	5 U	5 U	5 U	100 U	10 U	5 UJ	5 UJ	5 UJ	5 U	1 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 UJ	0.5 UJ	10 UJ	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 UJ	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Chloroform	7	2.5 U	1.2 J	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Chloromethane	NS	2.5 U	2.5 U	2.5 UJ	2.5 UJ	50 U	5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	20	26	1,800	6.1	2 J	11	2.5 U	26	0.7 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U
Dibromomethane	5	5 U	5 U	5 U	5 U	100 U	10 U	5 U	5 U	5 U	5 U	1 U
Dichlorodifluoromethane	5	5 U	5 U	5 UJ	5 UJ	100 UJ	10 UJ	5 U	5 U	5 U	5 U	1 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 UJ	2.5 UJ	50 UJ	5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	1.6 J	50 U	5 U	1.2 J	2.5 U	2.5 U	1.4 J	0.7 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	1.3 J	50 U	5 U	0.78 J	2.5 U	2.5 U	1.2 J	0.7 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 J	2.5 UJ	2.5 UJ	2.5 U	0.7 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	1.2 J	2.5 U	2.5 U	2.5 U	0.7 U
Naphthalene	10	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	1 J	0.7 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	1.8 J	50 U	5 U	1.8 J	2.5 U	2.5 U	1.7 J	0.7 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	40 U	4 U	2 U	2 U	2 U	2 U	0.7 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	40 U	4 U	2 U	2 U	2 U	2 U	0.7 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	1.2 J	50 U	5 U	2.4 J	2.5 U	2.5 U	1 J	0.7 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Tetrachloroethene	5	4.9	0.59	26	17	200	2.4	0.5 U	0.5 U	0.5 U	18	0.18 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2 J	50 U	5 U	2.5 U	1.3 J	2.5 U	2.1 J	0.7 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Trichloroethene	5	1	0.5 U	3.3	3.2	99	2.5	1.4	0.5 U	0.5 U	3.3	0.18 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	50 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	100 U	10 U	5 U	5 U	5 U	5 U	1 U
Vinyl chloride	2	1 U	1 U	1.3	61	250	2 U	2.5	40	0.33 J	59	0.07 U
Total VOCs:		5.9	1.79	50.6	120.19	2,356	11	66.78	58.4	0.33	119.13	0
Total Chlorinated VOCs: [2]		5.9	0.59	50.6	107.2	2,349	11	5.9	51	0.33	106.3	0

Notes:
(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-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 2B

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

Client Sample ID:	NYSDEC (1)	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	ML (15-20')	ML (35-40')	DUPE
Laboratory ID:	Ambient Water Quality	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017
Sampling Date:	Standards	L1733661-09	L1733661-08	L1733661-03	L1733661-02	L1733661-01	L1733661-06	L1733661-07	L1733661-10	L1733661-04	L1733661-05	L1733661-12
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 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	5 U	2.5 U	12 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	1 U	0.5 U	2.5 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	3 U	1.5 U	7.5 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	5 U	2.5 U	12 U	0.75 J	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	2.1	0.5 U	2.5 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	5 U	2.5 U	12 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	5 U	2.5 U	12 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	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	4 U	2 U	10 U	2.5	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 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	5 U	2.5 U	12 U	2.6	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	5 U	2.5 U	12 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	4 U	2 U	10 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	5 U	2.5 U	12 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	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	2 U	1 U	5 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	5 U	2.5 U	12 U	0.75 J	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	5 U	2.5 U	12 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	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 UJ	250 UJ	250 UJ	250 UJ	500 UJ	250 U	1,200 UJ	250 UJ	250 UJ	250 UJ	250 UJ
2,2-Dichloropropane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	2.5 UJ	12 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
2-Butanone	50	5 U	5 U	5 UJ	5 UJ	10 UJ	5 UJ	25 UJ	3 J	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 UJ	5 UJ	5 J	5 J	10 J	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Acetone	50	1.5 J	4.4 J	3.9 J	5 U	10 UJ	2.9 J	43	20	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	1.3	1 U	0.5 U	2.5 U	0.34 J	0.5 U	0.5 U	1.3
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 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	5 U	2.5 U	12 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	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	4 U	2 U	10 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	2.5 UJ	12 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon disulfide	60	5 U	5 UJ	5 UJ	1.9 J	10 UJ	2.8 J	6 J	1.1 J	5 UJ	5 UJ	5 UJ
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	2.5 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	5 U	2.5 U	12 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	2.4 J	2.5 U	12 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	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	2.5 UJ	12 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	1.7 J	2.7	210	14	12 U	8	1.9 J	2.5 U	2.3 J
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	2.5 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	1 UJ	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 UJ	5 UJ	5 UJ	5 UJ	10 U	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Ethyl ether	NS	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	2.5 UJ	12 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	1.4 J	5 U	2.5 U	12 U	2.5 U	2.5 U	1.4 J	
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2 J	5 U	2.5 U	12 U	2.5 U	2.5 U	2.2 J	
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 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	5 U	2.5 U	12 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	5 U	2.5 U	12 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	5 U	2.5 U	12 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	5 U	2.5 U	12 U	3.4	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2 J	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	5.9	4 U	2 U	14	4.2	3.9	2 U	6.6
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	4 U	2 U	10 U	1.3 J	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	1.7 J	5 U	2.5 U	12 U	2.5 U	2.5 U	1.9 J	
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 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	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.21 J	0.22 J	3.6	1.4	28	1.7	2.5 U	12	0.5 U	0.56	1.3
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	1.4 J	12 U	2.5 U	1.2 J	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	2.5 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 UJ	2.5 UJ	2.5 UJ	5 UJ	2.5 UJ	12 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Trichloroethene	5	0.5 U	0.5 U	0.44 J	0.64	6	2.2	1.3 J	4	0.5 U	0.5 U	0.58
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	10 UJ	5 U	25 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.26 J	1 U	0.83 J	1 U	200	1 U	5 U	1 U	7.9	1 U	1 U
Total VOCs:		1.97	4.62	15.47	23.94	459	25	64.3	65.94	14.9	0.56	17.58
Total Chlorinated VOCs: (2)		0.47	0.22	6.57	4.74	444	18	1.3	24	9.8	0.56	4.18

Notes:
(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
(2) Total Chlorinated VOCs include DCE, PCE, TCE, and VC.
NS - No Standard
NA - Not Available
DUPE 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 2C

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

Client Sample ID:	NYSDEC [1]	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	ML (15-20')	ML (35-40')	DUPE	Trip Blank	Field Blank
Laboratory ID:	Ambient Water Quality	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017	12/13/2017
Sampling Date:	Standards	L1746240-01	L1746240-02	L1746240-03	L1746240-04	L1746240-05	L1746240-06	--	L1746240-07	L1746240-08	L1746240-09	L1746240-10	L1746240-11	L1746240-12
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	5 U	NA	25 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	2.5 U	2.5 U	5 U	NA	25 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	1 U	NA	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	3 U	NA	15 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	5 U	NA	25 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	0.23 J	1 U	NA	5 U	0.5 U	0.5 U	0.24 J	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	5 U	NA	25 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	5 U	NA	25 UJ	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	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	1.9 J	2 U	4 U	NA	20 U	3.8	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	5 U	NA	25 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	5 U	NA	25 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	5 U	NA	25 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	4 U	NA	20 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	5 U	NA	25 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	1 U	NA	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	2 U	NA	10 U	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	5 U	NA	25 U	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	5 U	NA	25 U	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	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 UJ	250 UJ	250 UJ	250 UJ	250 UJ	500 UJ	NA	2500 UJ	250 UJ	250 UJ	250 UJ	250 UJ	250 UJ
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 UJ	5 UJ	5 U	5 UJ	5 UJ	10 UJ	NA	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-Hexanone	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	NA	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	10 U	NA	50 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	NA	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Acrylonitrile	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	NA	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	1	0.5 U	0.5 U	0.5 U	0.63	0.5 U	1 U	NA	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	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	5 U	NA	25 U	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	1 U	NA	5 U	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	4 U	NA	20 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	NA	25 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon disulfide	60	5 U	5 U	5 U	5 U	5 U	10 U	NA	50 U	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	1 U	NA	5 U	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	5 U	NA	25 U	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	5 U	NA	25 U	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	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	5 UJ	NA	25 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	1.6 J	8.2	120	11	NA	25 U	10	2.5 U	120	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	1 U	NA	5 U	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	1 U	NA	5 U	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	10 U	NA	50 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	10 U	NA	50 U	5 U	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	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 UJ	1.8 J	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	1.3 J	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	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	5 U	NA	25 U	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	5 U	NA	25 U	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	5 U	NA	25 U	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	5 U	NA	25 U	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	0.73 J	2.5 U	5 U	NA	25 U	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	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 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	4 U	NA	20 U	2 U	2 U	2 U	2 U	2 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	4 U	NA	20 U	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	5 U	NA	25 U	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	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	0.78 J	2.5 U	5 U	NA	25 U	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	5 U	NA	25 U	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	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	2.2	0.87	36	1.2	NA	11	0.5 U	0.5 U	39	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	1.8 J	2.5 U	2.5 U	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	1 U	NA	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 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	NA	25 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Trichloroethene	5	0.5 U	0.5 U	1.3	2.3	10	1.4	NA	11	0.2 J	0.5 U	10	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	NA	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 UJ	5 UJ	5 U	5 UJ	5 UJ	10 UJ	NA	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	2	0.19 J	1 UJ	0.42 J	2.2 J	67 J	2.7 J	NA	1.6 J	30 J	0.08 J	70 J	1 U	1 U
Total VOCs:		0.19	0	5.52	20.71	233	16.3	NA	23.6	45.8	0.08	239.24	0	0
Total Chlorinated VOCs: [2]		0.19	0	5.52	13.57	233	16.3	NA	23.6	40.2	0.08	239	0	0

Notes:
(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
(2) Total Chlorinated VOCs include DCE, PCE, TCE, and VC.
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 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 2D

March 2018
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC (1)	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	ML (15-20')	ML (35-40')	DUPE	Trip Blank	Field Blank
Laboratory ID:	Ambient Water Quality Standards	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018	3/14/2018
Sampling Date:		L1808694-01	L1808694-02	L1808694-03	L1808694-04	L1808694-05	L1808694-06	L1808694-07	L1808694-08	L1808694-09	L1808694-10	L1808694-11	L1808694-12	L1808694-13
Volatile Organic Compounds in µg/L														
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,1,1-Trichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	5	0.17 U	0.17 U	0.17 U	0.17 U	0.42 U	0.17 U	0.17 U	0.17 U	0.42 U	0.17 U	0.42 U	0.17 U	0.17 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.5 U	0.5 U	0.5 U	1.2 U	0.5 U	1.2 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	1.4 J	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,1-Dichloroethene	5	0.17 U	0.17 U	0.17 U	0.17 U	0.67 J	0.17 U	0.17 U	0.17 U	0.56 J	0.17 U	0.73 J	0.17 U	0.17 U
1,1-Dichloropropene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,2,3-Trichlorobenzene	5	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 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	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	5	0.54 U	0.54 U	0.54 U	1 J	1.4 U	0.54 U	1.1 J	3.6	2.2 J	0.54 U	1.4 U	0.54 U	0.54 U
1,2,4-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,2,4-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	1.4 J	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 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	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	0.65 U	1.6 U	0.65 U	0.65 U	0.65 U	1.6 U	0.65 U	1.6 U	0.65 U	0.65 U
1,2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,2-Dichloroethane	0.6	0.13 U	0.13 U	0.13 U	0.13 U	0.33 U	0.13 U	4.2	0.13 U	0.33 U	0.13 U	0.33 U	0.13 U	0.13 U
1,2-Dichloropropane	1	0.14 UJ	0.14 UJ	0.14 UJ	0.14 UJ	0.34 U	0.14 U	0.14 U	0.14 U	0.34 U	0.14 U	0.34 U	0.14 U	0.14 U
1,3,5-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,3-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,3-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,4-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
1,4-Dioxane	NS	61 UJ	61 UJ	61 UJ	61 UJ	150 UJ	61 UJ	61 UJ	61 UJ	150 UJ	61 UJ	150 UJ	61 UJ	61 UJ
2,2-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
2-Butanone	50	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	4.8 U	1.9 U	64	1.9 U	4.8 U	1.9 U	4.8 U	1.9 U	1.9 U
2-Hexanone	50	1 U	1 U	1 U	1 U	2.5 U	1 U	3.5 J	1 U	2.5 U	1 U	2.5 U	1 U	1 U
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	1 U	2.5 U	1 U	1 J	1 U	2.5 U	1 U	2.5 U	1 U	1 U
Acetone	50	1.5 UJ	1.5 UJ	1.5 UJ	3.5 J	3.6 U	1.5 U	84	1.5 U	24	1.5 U	3.6 U	1.5 U	1.5 U
Acrylonitrile	5	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	3.8 U	1.5 U	1.5 U	1.5 U	3.8 U	1.5 U	3.8 U	1.5 U	1.5 U
Benzene	1	0.16 U	0.16 U	0.16 U	0.92	0.4 U	0.16 U	0.18 J	0.23 J	0.4 U	0.16 U	0.4 U	0.16 U	0.16 U
Bromobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Bromochloromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.19 U	0.48 U	0.19 U	0.19 U	0.19 U	0.48 U	0.19 U	0.48 U	0.19 U	0.19 U
Bromoform	50	0.65 U	0.65 U	0.65 U	0.65 U	1.6 U	0.65 U	0.65 U	0.65 U	1.6 U	0.65 U	1.6 U	0.65 U	0.65 U
Bromomethane	5	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	2.5 U	1 U	20	1 U	2.5 U	1 U	2.5 U	1 U	1 U
Carbon tetrachloride	5	0.13 UJ	0.13 UJ	0.13 UJ	0.13 UJ	0.34 U	0.13 U	0.13 U	0.13 U	0.34 U	0.13 U	0.34 U	0.13 U	0.13 U
Chlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Chloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 UJ	0.7 UJ	1.8 UJ	0.7 UJ	0.7 UJ
Chloroform	7	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Chloromethane	NS	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
cis-1,2-Dichloroethene	5	0.7 U	0.7 U	7.3	9.1	250 J	3.4	1.5 J	1.1 J	280	0.7 U	260	0.7 U	0.7 U
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.14 U	0.36 U	0.14 U	0.14 U	0.14 U	0.36 U	0.14 U	0.36 U	0.14 U	0.14 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.15 U	0.37 U	0.15 U	0.15 U	0.15 U	0.37 U	0.15 U	0.37 U	0.15 U	0.15 U
Dibromomethane	5	1 U	1 U	1 U	1 U	2.5 U	1 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	2.5 U	1 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U	1 U
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Ethylbenzene	5	0.7 U	0.7 U	0.7 U	1.3 J	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Hexachlorobutadiene	0.5	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 UJ	0.7 UJ	1.8 UJ	0.7 UJ	0.7 UJ
Isopropylbenzene	5	0.7 U	0.7 U	0.7 U	0.87 J	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Methyl tert butyl ether	10	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Methylene chloride	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
n-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
n-Propylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Naphthalene	10	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 U	0.7 U	0.71 J	1 J	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
o-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
o-Xylene	5	0.7 U	0.7 U	0.7 U	2.9	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
p-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
p-Ethyltoluene	NS	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
p-Isopropyltoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
p/m-Xylene	5	0.7 U	0.7 U	0.7 U	0.74 J	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
sec-Butylbenzene	5	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Styrene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 UJ	0.7 UJ	0.7 UJ	0.7 UJ	1.8 UJ	0.7 UJ	1.8 UJ	0.7 UJ	0.7 UJ
tert-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Tetrachloroethene	5	2.4	0.38 J	19	17	84	3.4	0.27 J	1.3	0.46 J	0.18 U	87	0.18 U	0.18 U
Toluene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	5	0.7 U	0.7 U	0.7 U	2.3 J	1.8 U	0.7 U	0.7 U	0.7 U	3.7 J	0.7 U	1.8 U	0.7 U	0.7 U
trans-1,3-Dichloropropene	0.4	0.16 U	0.16 U	0.16 U	0.16 U	0.41 U	0.16 U	0.16 U	0.16 U	0.41 U	0.16 U	0.41 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	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Trichloroethene	5	0.49 J	0.18 U	2.1 J	1.8 J	21	0.92	0.22 J	1.5	0.79 J	0.18 U	22	0.18 U	0.18 U
Trichlorofluoromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	0.7 U	0.7 U	1.8 U	0.7 U	1.8 U	0.7 U	0.7 U
Vinyl acetate	NS	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U	1 U
Vinyl chloride	2	0.16 J	0.07 U	0.69 J	25	99 J	1.1 J	0.82 J	1.5	100 J	0.07 UJ	93 J	0.07 UJ	0.07 UJ
Total VOCs:		3.05	0.38	29.09	67.83	455	9	181.5	11.63	411.71	0	462.73	0	0
Total Chlorinated VOCs: (2)		3.05	0.38	29.09	52.9	454	9	2.81	5.4	381.25	0	462	0	0

Notes:
(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
(2) Total Chlorinated VOCs include DCE, PCE, TCE, and VC.
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 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

Historic Groundwater 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				GW-2			
Depth:	Ambient Water	9-13'	9-13'	9-13'	9-13'	9-13'	9-13'	10-14'	21-25'	33-37'	48-52'	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	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	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	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	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	NA	NA	NA	NA
1,1-Dichloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND	1.9	ND	ND	ND
1,1-Dichloropropene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	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	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	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	NA	NA	NA	NA	NA	NA	700	0.96 J	ND	ND	43	1.2	ND	2.8
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	16	63	36	25 U	5 U	5 U	ND	ND	ND	ND	65	0.54 J	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	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	NA	NA	NA	NA
1,2-Dichlorobenzene	3	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	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	NA	NA	NA	NA
1,2-Dichloropropane	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	6	21	9	25 U	5 U	5 U	ND	ND	ND	ND	27	ND	ND	ND
1,3-Dichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	3	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	3	NA	NA	NA	NA	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	NA	NA	NA	NA
2-Butanone	5	10 U	10 U	10 U	50 U	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	50 U	50 U	50 U	250 U	50 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	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	ND	ND	ND	ND
Bromobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	60	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	12,800	670	114	568	33	17	ND	ND	ND	ND	470	1.3	0.68 J	ND
cis-1,3-Dichloropropene	0.4	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	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	5.9	ND	ND	ND
Hexachlorobutadiene	0.5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	5 U	11	5 U	25 U	5 U	5 U	11 J	ND	ND	ND	5.7	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	ND	ND	ND	ND
Methylene chloride	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	24	ND	ND	ND	5.8	ND	ND	ND
n-Propylbenzene	5	5 U	16	5 U	25 U	5 U	5 U	25	ND	ND	ND	13	ND	ND	ND
Naphthalene	10	6	36	21	25 U	5 U	5 U	21	ND	ND	ND	2.2 C	ND	ND	ND
o-Chlorotoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	5 U	7	5 U	25 U	5 U	5 U	ND	ND	ND	ND	1.6	ND	ND	ND
p-Chlorotoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
p-Diethylbenzene	NS	NA	NA	NA	NA	NA	NA	80	ND	ND	ND	29	0.6 J	ND	ND
p-Ethyltoluene	NS	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	14	ND	ND	ND
p-Isopropyltoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND	17	ND	ND	ND
p/m-Xylene	5	10 U	29	10 U	50 U	10 U	10 U	ND	ND	ND	ND	4.3	ND	ND	ND
sec-Butylbenzene	5	5 U	6	5 U	25 U	5 U	5 U	23	ND	ND	ND	7.6	ND	ND	ND
Styrene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	22	105	8	25 U	31	14	20	1.3	1.2	1.7	20,000	86	53	18
Toluene	5	5 U	8	5 U	25 U	5 U	5 U	ND	ND	ND	ND	1.1	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	11	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	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	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	1,600	4.4	2.2	ND
Trichlorofluoromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NS	5 U	5 U	5 U	25 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	2,080	382	46	63	18	5 U	ND	ND	0.65 J	ND	160	ND	ND	ND
Total VOCs	NS	16,637	1,395	235	631	89	31	936	2	2	2	22,485	94	56	21
Total CVOCs	NS	16,602	1,177	168	631	89	31	40	1	2	2	22,230	92	56	18

Notes

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

CVOCs = PCE, TCE, DCE, and VC

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

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		GW-3				GW-4				GW-5				GW-6			
Depth:	NYSDEC [1] Ambient Water Quality Standards	10-14'	21-25'	33-37'	48-52'	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:		1/13/2010	1/13/2010	1/13/2010	1/13/2010	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	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	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	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	NA	NA	NA	NA
1,1-Dichloroethene	5	1.6	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND
1,1-Dichloropropene	5	NA	NA	NA	NA	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	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	7.3	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	3.8	ND	0.97 J
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	2	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND	ND	10	0.66 J	ND	0.68 J
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	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	NA	NA	NA	NA
1,2-Dichlorobenzene	3	NA	NA	NA	NA	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	NA	NA	NA	NA
1,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	0.99 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND
1,3-Dichlorobenzene	5	NA	NA	NA	NA	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	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	3	NA	NA	NA	NA	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	NA	NA	NA	NA
2-Butanone	5	NA	NA	NA	NA	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	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	NA	NA	NA	NA	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	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	0.98 J	ND	ND	ND	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	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	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	NA	NA	NA	NA
Carbon disulfide	60	NA	NA	NA	NA	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	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	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	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	940	1,200	2.8	4.2	ND	ND	ND	1.6	ND	ND	ND	ND	5.1	260	2.4	ND
cis-1,3-Dichloropropene	0.4	NA	NA	NA	NA	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	NA	NA	NA	NA
Dibromomethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Ethyl ether	NS	NA	NA	NA	NA	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	ND	0.74 J	ND	ND	ND
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	0.75 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	11	11	21	350	ND	ND	ND	ND	ND	ND	ND	2
Methylene chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91 J	ND	ND	ND
n-Propylbenzene	5	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
Naphthalene	10	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	ND	ND	ND
o-Chlorotoluene	5	NA	NA	NA	NA	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	0.68 J	ND	ND	ND
p-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Diethylbenzene	NS	3.8	0.66 J	ND	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	8.8	1.5	ND	0.6 J
p-Ethyltoluene	NS	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
p-Isopropyltoluene	5	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
p/m-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	0.85 J	ND	ND
Styrene	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Tetrachloroethene	5	72	220 C	8.3	35	1.9	1.4	1.4	2.7	ND	0.91 J	ND	ND	19	11	5.8	14
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	5.2	8.8	ND	ND	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	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	120	330	0.77 J	1.4	ND	ND	ND	ND	ND	ND	ND	ND	1.7	2.1	ND	0.59 J
Trichlorofluoromethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Vinyl chloride	2	290	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	350	8.5	ND
Total VOCs	NS	1,452	2,045	12	42	13	12	22	354	26	1	0	0	149	639	17	19
Total CVOCs	NS	1,422	2,030	12	41	2	1	1	4	0	1	0	0	30	623	17	15

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		GW-7				GW-8				GW-9			
Depth:	NYSDEC [1] Ambient Water Quality Standards	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:		1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/15/2010	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	ND	ND	ND	ND	29	1.1	ND	0.74 J	8.8	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	42	ND	ND	ND	9.1	ND	0.6 J	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	17	ND	ND	ND	2	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-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-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	0.61 J	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	160	1.9	2	2	3.8	ND	0.68 J	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	2.8	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	1.8	ND	ND	ND	0.53 J	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND	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	2.7	ND	ND	ND	0.75 J	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	4.4	ND	ND	ND	0.9 J	ND	ND	ND
Naphthalene	10	ND	ND	ND	0.83 J	9.3	ND	ND	ND	2.4	ND	ND	ND
o-Chlorotoluene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ND	ND	ND	ND	2.3	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	ND	ND	ND	ND	23	ND	ND	ND	1.2	ND	ND	ND
p-Ethyltoluene	NS	ND	ND	ND	ND	7.7	ND	ND	ND	1.2	ND	ND	ND
p-isopropyltoluene	5	ND	ND	ND	ND	6.4	ND	ND	ND	1.3	ND	ND	ND
p/m-Xylene	5	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	2.8	ND	ND	ND	0.9 J	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	0.84 JC	ND	0.84 JC	0.92 J	7.5	0.88 J	0.63 JC	1.3	2.9	0.64 J	1.3	0.97 J
Toluene	5	ND	ND	ND	ND	0.7 J	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	4.3	ND	ND	ND	0.58 J	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	3.8	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	ND	ND	ND	ND	9.2	ND	ND	ND	2.3	ND	ND	ND
Total VOCs	NS	1	0	1	2	339	4	3	4	39	1	3	1
Total CVOCs	NS	1	0	1	1	181	3	3	3	9	1	2	1

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		GW-10				GW-11				OSB-1				OSB-2			
Depth:	NYSDEC [1] Ambient Water Quality Standards	10-14'	21-25'	33-37'	48-52'	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:		1/15/2010	1/15/2010	1/15/2010	1/15/2010	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	NA	NA	NA	NA
1,1,1-Trichloroethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	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	NA	NA	NA	NA
1,1-Dichloroethene	5	ND	ND	ND	ND	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	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	NA	NA	NA	NA	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	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	NS	3.4	ND	ND	ND	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	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	1.6	ND	ND	ND	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	NA	NA	NA	NA
1,2-Dibromoethane	0.0006	NA	NA	NA	NA	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	NA	NA	NA	NA
1,2-Dichloroethane	0.6	NA	NA	NA	NA	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	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND	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	NA	NA	NA	NA
1,3-Dichloropropane	3	NA	NA	NA	NA	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	NA	NA	NA	NA
1,4-Dioxane	3	NA	NA	NA	NA	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	NA	NA	NA	NA
2-Butanone	5	NA	NA	NA	NA	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	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	NA	NA	NA	NA	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	NA	NA	NA	NA
Acrylonitrile	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	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	NA	NA	NA	NA
Bromochloromethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	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	NA	NA	NA	NA
Carbon disulfide	60	NA	NA	NA	NA	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	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	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	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	2	ND	ND	ND	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	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	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	NA	NA	NA	NA
Dichlorodifluoromethane	5	NA	NA	NA	NA	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	NA	NA	NA	NA
Ethylbenzene	5	ND	ND	ND	ND	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	NA	NA	NA	NA
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	0.56 J	ND	ND	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	NA	NA	NA	NA
n-Butylbenzene	5	0.94 J	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	0.58
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	0.61
Naphthalene	10	ND	ND	ND	ND	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	NA	NA	NA	NA
o-Xylene	5	ND	ND	ND	ND	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	NA	NA	NA	NA
p-Diethylbenzene	NS	0.56 J	ND	ND	ND	ND	ND	ND	ND	22	ND	0.15 J	0.44 J	ND	1 J	2 J	0.91 J
p-Ethyltoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	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	NA	NA	NA	NA
tert-Butylbenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	ND	ND	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	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	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	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	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	NA	NA	NA	NA
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	3.2	ND	ND	ND	ND	ND	ND	ND	15	5.5	ND	ND	8,300	24	10	ND
Total VOCs	NS	12	1	0	0	2	0	2	0	67	13	5	8	35,300	109	322	96
Total CVOCs	NS	5	0	0	0	0	0	1	0	19	12	2	3	35,300	104	318	79

Notes
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U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	PWG-VP-01									
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	7/10/2012	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-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-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	0.97 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
p-Ethyltoluene	NS	0.47 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
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
Total CVOCs	NS	1,686	3	307	1	0	1	0	0	1	1

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		PWG-VP-02									
Depth:	NYSDEC (1) 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:		7/6/2012	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-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-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	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
p-Ethyltoluene	NS	0.39 J	2 U	0.12 J	2 U	2 U	2 U	2 U	2 U	2 U	4 U
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
Total CVOCs	NS	774	1	111	17	38	23	16	67	44	253

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		TP-001		TP-002		TP-003		TP-004		TP-005		TP-006		MLWell2									
Depth:	NYSDEC [1] Ambient Water Quality Standards	-		-		-		-		-		-		15-20'		35-40'		55-60'		75-80'		95-100'		115-120'	
Sampling Date:		10/7/2014		10/9/2014		10/9/2014		10/9/2014		5/11/2015		5/11/2015		9/30/2013		9/30/2013		9/30/2013		9/30/2013		9/30/2013		9/30/2013	
Laboratory ID:		L1423615-04		L1423615-05		L1424055-01		L1424055-02		L1510117-01		L1510117-02		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-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-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	20	U	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	NS	35	U	1.8	U	0.7	U	180	U	0.7	U	0.7	U	20	U	2	U	2	U	2	U	2	U	2	U
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	
Total CVOCs	NS	4,043		176		140		16,073		83		54		1,240		125		0		3		17		6	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater 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-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-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	2.5 U	0.8 J
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	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
p-Ethyltoluene	NS	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
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
Total CVOCs	NS	3,451	365,000	1,280	210	300	170	39	466	6,609	154	16	178

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		MW-10											
Depth:	NYSDEC [1] Ambient Water Quality Standards	-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:		10/7/2014	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018
Laboratory ID:		L1423615-02	L1524907-01	L1609110-01	L1619370-01	L1629516-01	L1639729-02	L1706520-02	L1718024-09	L1733661-09	L1746240-01	L1808694-01
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 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	0.7 U
1,1,1-Trichloroethane	5	0.7 U	0.7 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	0.7 U
1,1,2,2-Tetrachloroethane	5	0.1 U	0.14 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	0.17 U
1,1,2-Trichloroethane	1	0.5 U	0.5 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	0.5 U
1,1-Dichloroethane	5	0.7 U	0.7 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	0.7 U
1,1-Dichloroethene	5	0.1 U	0.14 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	0.17 U
1,1-Dichloropropene	5	0.7 U	0.7 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	0.7 U
1,2,3-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ
1,2,3-Trichloropropane	0.04	0.7 U	0.7 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	0.7 U
1,2,4,5-Tetramethylbenzene	NS	0.7 U	0.65 U	0.65 U	2 U	1 J	2 U	2 U	2 U	2 U	2 U	0.54 U
1,2,4-Trichlorobenzene	5	0.7 U	0.7 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	0.7 U
1,2,4-Trimethylbenzene	5	0.7 U	0.7 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	0.7 U
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 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	0.7 U
1,2-Dibromoethane	0.0006	0.7 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U
1,2-Dichlorobenzene	3	0.7 U	0.7 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	0.7 U
1,2-Dichloroethane	0.6	0.1 U	0.13 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	0.13 U
1,2-Dichloropropane	NS	0.1 U	0.13 U	0.13 U	1 U	0.14 U	1 U	1 U	1 U	1 U	1 U	0.14 UJ
1,3,5-Trimethylbenzene	1	0.7 U	0.7 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	0.7 U
1,3-Dichlorobenzene	5	0.7 U	0.7 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	0.7 U
1,3-Dichloropropane	3	0.7 U	0.7 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	0.7 U
1,4-Dichlorobenzene	5	0.7 U	0.7 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	0.7 U
1,4-Dioxane	3	NA	NA	41 U	250 U	61 U	250 UJ	250 UJ	250 U	250 UJ	250 UJ	61 UJ
2,2-Dichloropropane	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.7 U
2-Butanone	5	1.9 U	1.9 U	1.9 U	5 U	1.9 U	5 U	5 UJ	5 U	5 U	5 UJ	1.9 UJ
2-Hexanone	50	1.0 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U
4-Methyl-2-pentanone	NS	1.0 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 UJ	5 U	1 U
Acetone	50	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 UJ	5 U	5 UJ	1.5 J	5 UJ	1.5 UJ
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	5 U	5 UJ	1.5 UJ
Benzene	1	0.2 U	0.16 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
Bromobenzene	5	0.7 U	0.7 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	0.7 U
Bromochloromethane	5	0.7 U	0.7 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	0.7 U
Bromodichloromethane	50	0.2 U	0.19 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U
Bromoform	50	0.7 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ
Carbon disulfide	60	1.0 U	1 U	1 U	5 U	1 U	5 U	5 UJ	5 U	5 U	5 U	1 U
Carbon tetrachloride	5	0.1 U	0.13 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	0.13 UJ
Chlorobenzene	5	0.7 U	0.7 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	0.7 U
Chloroethane	5	0.7 U	0.7 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	0.7 U
Chloroform	7	0.7 U	0.7 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	0.7 U
Chloromethane	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	0.7 UJ
cis-1,2-Dichloroethene	5	0.7 U	1 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	0.7 U
cis-1,3-Dichloropropene	0.4	0.1 U	0.14 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
Dibromochloromethane	50	0.2 U	0.15 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U
Dibromomethane	5	1.0 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U
Dichlorodifluoromethane	5	1.0 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 UJ	5 U	1 U
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	0.7 U
Ethylbenzene	5	0.7 U	0.7 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	0.7 U
Hexachlorobutadiene	0.5	0.7 U	0.7 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	0.7 UJ
Isopropylbenzene	5	0.7 U	0.7 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	0.7 U
Methyl tert butyl ether	10	0.7 U	0.7 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	0.7 U
Methylene chloride	5	0.7 U	0.7 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	0.7 U
n-Butylbenzene	5	0.7 U	0.7 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	0.7 U
n-Propylbenzene	5	0.7 U	0.7 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	0.7 U
Naphthalene	10	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	1.3 J	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ
o-Chlorotoluene	5	0.7 U	0.7 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	0.7 U
o-Xylene	5	0.7 U	0.7 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	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 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	0.7 U
p-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	2 U	0.7 U	2 U	2 U	2 U	2 U	2 U	0.7 U
p-Ethyltoluene	NS	0.7 U	0.7 U	0.7 U	2 U	0.7 U	2 U	2 U	2 U	2 U	2 U	0.7 U
p-Isopropyltoluene	5	0.7 U	0.7 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	0.7 U
p/m-Xylene	5	0.7 U	0.7 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	0.7 U
sec-Butylbenzene	5	0.7 U	0.7 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	0.7 UJ
Styrene	5	0.7 U	0.7 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	0.7 U
tert-Butylbenzene	5	0.7 U	0.7 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	0.7 U
Tetrachloroethene	5	0.2 U	0.18 U	0.47 J	0.59	0.18 U	0.5 U	0.5 U	4.9	0.21 J	0.5 U	2.4
Toluene	5	0.7 U	0.7 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	0.7 U
trans-1,2-Dichloroethene	5	0.7 U	0.7 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	0.7 U
trans-1,3-Dichloropropene	0.4	0.2 U	0.16 U	0.16 U	0.5 U	0.16 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
trans-1,4-Dichloro-2-butene	5	2.5 UJ	14 UJ	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	0.7 U
Trichloroethene	5	0.43 J	77 J	0.46 J	0.19 J	0.18 U	0.59	0.39 J	1	0.5 U	0.5 U	0.49 J
Trichlorofluoromethane	5	2.5 U	14 UJ	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Vinyl acetate	NS	5 U	20 UJ	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 UJ	1 U
Vinyl chloride	2	32 J	360 J	0.6 J	0.3 J	0.17 J	0.48 J	0.78 J	1 U	0.26 J	0.19 J	0.16 J
Total VOCs	NS	32	437	1.53	1	1	2	1	6	2	0	3
Total CVOCs	NS	32	437	2	1	0	1	1	6	0	0	3

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1] Ambient Water Quality Standards	MW-11											
Depth:		-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:		10/9/2014	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018
Laboratory ID:		L1423615-03	L1524907-02	L1609110-02	L1619370-02	L1629516-02	L1639729-09	L1706520-01	L1718024-08	L1733661-08	L1746240-02	L1808694-02
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 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	0.7 U
1,1,1-Trichloroethane	5	0.7 U	0.7 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	0.7 U
1,1,2,2-Tetrachloroethane	5	0.14 U	0.14 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	0.17 U
1,1,2-Trichloroethane	1	0.5 U	0.5 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	0.5 U
1,1-Dichloroethane	5	0.7 U	0.7 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	0.7 U
1,1-Dichloroethene	5	0.14 U	0.14 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	0.17 U
1,1-Dichloropropene	5	0.7 U	0.7 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	0.7 U
1,2,3-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ
1,2,3-Trichloropropane	0.04	0.7 U	0.7 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	0.7 U
1,2,4,5-Tetramethylbenzene	NS	0.65 U	0.65 U	0.65 U	2 U	0.54 U	2 U	2 UJ	2 U	2 U	2 U	0.54 U
1,2,4-Trichlorobenzene	5	0.7 U	0.7 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	0.7 U
1,2,4-Trimethylbenzene	5	0.7 U	0.7 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	0.7 U
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 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	0.7 U
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U
1,2-Dichlorobenzene	3	0.7 U	0.7 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	0.7 U
1,2-Dichloroethane	0.6	0.13 U	0.13 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	0.13 U
1,2-Dichloropropane	NS	0.13 U	0.13 U	0.13 U	1 U	0.14 U	1 U	1 U	1 U	1 U	1 U	0.14 UJ
1,3,5-Trimethylbenzene	1	0.7 U	0.7 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	0.7 U
1,3-Dichlorobenzene	5	0.7 U	0.7 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	0.7 U
1,3-Dichloropropane	3	0.7 U	0.7 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	0.7 U
1,4-Dichlorobenzene	5	0.7 U	0.7 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	0.7 U
1,4-Dioxane	3	NA	NA	41 U	250 U	61 U	250 UJ	250 UJ	250 U	250 UJ	250 UJ	61 UJ
2,2-Dichloropropane	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.7 U
2-Butanone	5	1.9 U	1.9 U	1.9 U	5 U	1.9 U	5 U	5 UJ	5 U	5 U	5 UJ	1.9 UJ
2-Hexanone	50	1 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 UJ	5 U	1 U
Acetone	50	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 UJ	5 U	5 UJ	4.4 J	5 UJ	1.5 UJ
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	5 U	5 UJ	1.5 UJ
Benzene	1	0.16 U	0.16 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
Bromobenzene	5	0.7 U	0.7 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	0.7 U
Bromochloromethane	5	0.7 U	0.7 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	0.7 U
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U
Bromoform	50	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ
Carbon disulfide	60	1 U	1 U	1 U	5 U	1 U	5 U	5 UJ	5 U	5 UJ	5 U	1 U
Carbon tetrachloride	5	0.13 U	0.13 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	0.13 UJ
Chlorobenzene	5	0.7 U	0.7 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	0.7 U
Chloroethane	5	0.7 U	0.7 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	0.7 U
Chloroform	7	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	1.2 J	2.5 U	2.5 U	0.7 U
Chloromethane	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	0.7 UJ
cis-1,2-Dichloroethene	5	0.7 U	1 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	0.7 U
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U
Dibromomethane	5	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 UJ	5 U	1 U
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	0.7 U
Ethylbenzene	5	0.7 U	0.7 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	0.7 U
Hexachlorobutadiene	0.5	0.7 U	0.7 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	0.7 UJ
Isopropylbenzene	5	0.7 U	0.7 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	0.7 U
Methyl tert butyl ether	10	0.7 U	0.7 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	0.7 U
Methylene chloride	5	0.7 U	0.7 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	0.7 U
n-Butylbenzene	5	0.7 U	0.7 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	0.7 U
n-Propylbenzene	5	0.7 U	0.7 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	0.7 U
Naphthalene	10	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ
o-Chlorotoluene	5	0.7 U	0.7 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	0.7 U
o-Xylene	5	0.7 U	0.7 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	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 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	0.7 U
p-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	2 U	0.7 U	2 U	2 U	2 U	2 U	2 U	0.7 U
p-Ethyltoluene	NS	0.7 U	0.7 U	0.7 U	2 U	0.7 U	2 U	2 U	2 U	2 U	2 U	0.7 U
p-Isopropyltoluene	5	0.7 U	0.7 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	0.7 U
p/m-Xylene	5	0.7 U	0.7 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	0.7 U
sec-Butylbenzene	5	0.7 U	0.7 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	0.7 UJ
Styrene	5	0.7 U	0.7 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	0.7 U
tert-Butylbenzene	5	0.7 U	0.7 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	0.7 U
Tetrachloroethene	5	0.18 U	0.18 U	0.18 U	0.42 J	0.18 U	0.39 J	0.5 U	0.59	0.22 J	0.5 U	0.38 J
Toluene	5	0.7 U	0.7 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	0.7 U
trans-1,2-Dichloroethene	5	0.7 U	0.7 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	0.7 U
trans-1,3-Dichloropropene	0.4	0.16 U	0.16 U	0.16 U	0.5 U	0.16 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
trans-1,4-Dichloro-2-butene	5	2.5 U	1.8 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	0.7 U
Trichloroethene	5	0.33 J	2.8	0.18 U	0.5 U	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 U
Trichlorofluoromethane	5	2.5 U	1.8 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	0.7 U
Vinyl acetate	NS	5 U	2.5 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 UJ	1 U
Vinyl chloride	2	0.12 J	6.5	0.07 U	1 U	0.07 U	1 U	1 UJ	1 U	1 U	1 UJ	0.07 U
Total VOCs	NS	0	9	0	0	0	0	0	2	5	0	0
Total CVOCs	NS	0	9	0	0	0	0	0	1	0	0	0

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	MW-12																			
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		6/1/2017		9/20/2017		12/13/2017		3/14/2018	
Laboratory ID:		L1524907-03		L1609110-03		L1619370-03		L1629516-03		L1639729-03		L1706520-03		L1718024-04		L1733661-03		L1746240-03		L1808694-03	
Volatile Organic Compounds in µg/L																					
1,1,1,2-Tetrachloroethane	5	0.7	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	0.7	U
1,1,1-Trichloroethane	5	0.7	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	0.7	U
1,1,2,2-Tetrachloroethane	5	0.14	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	0.17	U
1,1,2-Trichloroethane	1	0.5	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	0.5	U
1,1-Dichloroethane	5	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U	0.7	U
1,1-Dichloroethene	5	0.14	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	0.17	U
1,1-Dichloropropene	5	0.7	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	0.7	U
1,2,3-Trichlorobenzene	5	0.7	UJ	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U	2.5	UJ	2.5	U	2.5	U	0.7	UJ
1,2,3-Trichloropropane	0.04	0.7	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	0.7	U
1,2,4,5-Tetramethylbenzene	NS	0.92	J	0.65	U	2	U	0.71	J	2	U	2	U	2	U	2	U	2	U	0.54	U
1,2,4-Trichlorobenzene	5	0.7	UJ	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.7	U
1,2,4-Trimethylbenzene	5	0.7	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	0.7	U
1,2-Dibromo-3-chloropropane	0.04	0.7	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	0.7	U
1,2-Dibromoethane	0.0006	0.65	U	0.65	U	2	U	0.65	U	2	U	2	U	2	U	2	U	2	U	0.65	U
1,2-Dichlorobenzene	3	0.7	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	0.7	U
1,2-Dichloroethane	0.6	0.13	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	0.13	U
1,2-Dichloropropane	NS	0.13	U	0.13	U	1	U	0.14	U	1	U	1	U	1	U	1	U	1	U	0.14	UJ
1,3,5-Trimethylbenzene	1	0.7	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	0.7	U
1,3-Dichlorobenzene	5	0.7	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	0.7	U
1,3-Dichloropropane	3	0.7	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	0.7	U
1,4-Dichlorobenzene	5	0.7	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	0.7	U
1,4-Dioxane	3	NA		41	U	250	U	61	U	250	UJ	250	UJ	250	UJ	250	UJ	250	UJ	61	UJ
2,2-Dichloropropane	NS	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	0.7	U
2-Butanone	5	1.9	U	1.9	U	5	U	1.9	U	5	U	5	UJ	5	U	5	UJ	5	U	1.9	UJ
2-Hexanone	50	1	U	1	U	5	U	1	U	5	UJ	5	UJ	5	U	5	U	5	UJ	1	U
4-Methyl-2-pentanone	NS	1	U	1	U	5	U	1	U	5	UJ	5	UJ	5	UJ	5	J	5	U	1	U
Acetone	50	1.5	U	1.5	U	5	U	1.5	U	5	UJ	5	U	5	U	3.9	J	5	UJ	1.5	UJ
Acrylonitrile	5	1.5	U	1.5	U	5	U	1.5	U	5	U	5	U	5	U	5	U	5	UJ	1.5	UJ
Benzene	1	0.16	U	0.16	U	0.5	U	0.16	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.16	U
Bromobenzene	5	0.7	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	0.7	U
Bromochloromethane	5	0.7	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	0.7	U
Bromodichloromethane	50	0.19	U	0.19	U	0.5	U	0.19	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.19	U
Bromoform	50	0.65	U	0.65	U	2	U	0.65	U	2	U	2	U	2	U	2	U	2	U	0.65	U
Bromomethane	5	0.7	UJ	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	UJ	2.5	UJ	2.5	UJ	0.7	UJ
Carbon disulfide	60	1	U	1	U	5	U	1	U	5	U	5	UJ	5	U	5	UJ	5	U	1	U
Carbon tetrachloride	5	0.13	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.13	UJ
Chlorobenzene	5	0.7	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	0.7	U
Chloroethane	5	0.7	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	0.7	U
Chloroform	7	0.7	U	0.7	U	2.5	U	0.7	U	1.7	J	2.5	U	2.5	U	2.5	U	2.5	U	0.7	U
Chloromethane	NS	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.5	U	0.7	UJ
cis-1,2-Dichloroethene	5	31		15		18		5.4		21		1.1	J	20		1.7	J	1.6	J	7.3	
cis-1,3-Dichloropropene	0.4	0.14	U	0.14	U	0.5	U	0.14	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.14	U
Dibromochloromethane	50	0.15	U	0.15	U	0.5	U	0.15	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.15	U
Dibromomethane	5	1	U	1	U	5	U	1	U	5	U	5	U	5	U	5	U	5	U	1	U
Dichlorodifluoromethane	5	1	U	1	U	5	U	1	U	5	UJ	5	UJ	5	UJ	5	UJ	5	U	1	U
Ethyl ether	NS	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U	2.5	UJ	2.5	UJ	2.5	U	0.7	U
Ethylbenzene	5	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ	0.7	U
Hexachlorobutadiene	0.5	0.7	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	0.7	UJ
Isopropylbenzene	5	0.7	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	0.7	U
Methyl tert butyl ether	10	0.7	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	0.7	U
Methylene chloride	5	0.7	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	0.7	U
n-Butylbenzene	5	0.7	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	0.7	U
n-Propylbenzene	5	0.7	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	0.7	U
Naphthalene	10	0.7	UJ	0.7	U	2.5	U	0.96	J	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U	0.7	UJ
o-Chlorotoluene	5	0.7	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	0.7	U
o-Xylene	5	0.7	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	0.7	U
p-Chlorotoluene	5	0.7	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	0.7	U
p-Diethylbenzene	NS	0.7	U	0.7	U	2	U	0.7	U	2	U	2	U	2	U	2	U	2	U	0.7	U
p-Ethyltoluene	NS	0.7	U	0.7	U	2	U	0.7	U	2	U	2	U	2	U	2	U	2	U	0.7	U
p-Isopropyltoluene	5	0.7	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	0.7	U
p/m-Xylene	5	0.7	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	0.7	U
sec-Butylbenzene	5	0.7	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	0.7	UJ
Styrene	5	0.7	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	0.7	U
tert-Butylbenzene	5	0.7	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	0.7	U
Tetrachloroethene	5	10		0.37	J	5.5		0.41	J	2.1		2.3		26		3.6		2.2		19	
Toluene	5	0.7	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	0.7	U
trans-1,2-Dichloroethene	5	1.1	J	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.7	U
trans-1,3-Dichloropropene	0.4	0.16	U	0.16	U	0.5	U	0.16	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U	0.16	U
trans-1,4-Dichloro-2-butene	5	7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	UJ	0.7	U
Trichloroethene	5	1.8	U	0.64		1.6		0.47	J	1.6		0.57		3.3		0.44	J	1.3		2.1	J
Trichlorofluoromethane	5	7	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	0.7	U
Vinyl acetate	NS	10	U	1	U	5	U	1	U	5	U	5	U	5	U	5	U	5	U	1	U
Vinyl chloride	2	7.7	J	13		14		12		1.6		1.8	J	1.3		0.83	J	0.42	J	0.69	J
Total VOCs	NS	51		29		39		20		28		6		51		15		6		29	
Total CVOCs	NS	49		29		39		18		26		6		51		7		6		29	

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		MW-13											
Depth:	NYSDEC [1] Ambient Water Quality Standards	-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:		10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018
Laboratory ID:		L1524907-04	L1609110-04	L1619370-04	L1629516-04	L1639729-04	L1706520-04	L1718024-03	L1733661-02	L1746240-04	L1808694-04
Volatile Organic Compounds in µg/L											
1,1,1,2-Tetrachloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,1,1-Trichloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,1,2,2-Tetrachloroethane	5	0.36 U	0.14 U	0.5 U	0.33 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U
1,1,2-Trichloroethane	1	1.2 U	0.5 U	1.5 U	1 U	1.5 UJ	1.4 J	1.5 U	1.5 U	1.5 U	0.5 U
1,1-Dichloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 U
1,1-Dichloroethene	5	0.36 U	0.14 U	0.5 U	0.34 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U
1,1-Dichloropropene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,3-Trichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 UJ
1,2,3-Trichloropropane	0.04	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,4,5-Tetramethylbenzene	NS	1.6 U	1.3 J	1.7 J	18	4.4	2.2 J	2.9	2 U	1.9 J	1 J
1,2,4-Trichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2,4-Trimethylbenzene	5	1.8 U	3.9	1.3 J	2.4 J	2.5 U	2.5 U	1.6 J	2.5 U	2.5 U	1.4 J
1,2-Dibromo-3-chloropropane	0.04	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U
1,2-Dibromoethane	0.0006	1.6 U	0.65 U	2 U	1.3 U	2 U	2 U	2 U	2 U	2 U	0.65 U
1,2-Dichlorobenzene	3	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,2-Dichloroethane	0.6	0.33 U	0.13 U	0.5 U	0.26 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U
1,2-Dichloropropane	NS	0.33 U	0.13 U	1 U	0.27 U	1 U	1 U	1 U	1 U	1 U	0.14 UJ
1,3,5-Trimethylbenzene	1	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,3-Dichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,3-Dichloropropane	3	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,4-Dichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
1,4-Dioxane	3	NA	41 U	250 U	120 U	250 UJ	250 UJ	250 UJ	250 UJ	250 UJ	61 UJ
2,2-Dichloropropane	NS	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.7 U
2-Butanone	5	4.8 U	1.9 U	5 U	3.9 U	5 U	5 UJ	5 U	5 UJ	5 UJ	1.9 UJ
2-Hexanone	50	2.5 U	1 U	5 U	2 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U
4-Methyl-2-pentanone	NS	2.5 U	1 U	5 U	2 U	5 UJ	5 UJ	5 UJ	5 J	5 U	1 U
Acetone	50	6.6 J	1.9 J	5 U	2.9 U	5 UJ	5 U	5 U	5 U	5 UJ	3.5 J
Acrylonitrile	5	3.8 U	1.5 U	5 U	3 U	5 U	5 U	5 U	5 U	5 UJ	1.5 UJ
Benzene	1	0.4 U	0.51	0.78	0.7 J	0.76	0.96	0.59	1.3	0.63	0.92
Bromobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Bromochloromethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Bromodichloromethane	50	0.48 U	0.19 U	0.5 U	0.38 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U
Bromoform	50	1.6 U	0.65 U	2 U	1.3 U	2 U	2 U	2 U	2 U	2 U	0.65 U
Bromomethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ
Carbon disulfide	60	2.5 U	1 U	5 U	2 U	5 U	5 UJ	5 U	1.9 J	5 U	1 U
Carbon tetrachloride	5	0.34 U	0.13 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.13 UJ
Chlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Chloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U
Chloroform	7	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Chloromethane	NS	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ
cis-1,2-Dichloroethene	5	150	72	**96**	30	15	18	26	2.7	8.2	9.1
cis-1,3-Dichloropropene	0.4	0.36 U	0.14 U	0.5 U	0.29 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
Dibromochloromethane	50	0.37 U	0.15 U	0.5 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U
Dibromomethane	5	2.5 U	1 U	5 U	2 U	5 U	5 U	5 U	5 U	5 U	1 U
Dichlorodifluoromethane	5	2.5 U	1 U	5 U	2 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	1 U
Ethyl ether	NS	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	0.7 U
Ethylbenzene	5	1.8 U	1.7 J	1.6 J	4.3 J	1.9 J	2 J	1.6 J	1.4 J	1.8 J	1.3 J
Hexachlorobutadiene	0.5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ
Isopropylbenzene	5	1.8 U	1.8 J	1.2 J	5.5	1.5 J	1.2 J	1.3 J	2 J	1.3 J	0.87 J
Methyl tert butyl ether	10	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U
Methylene chloride	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
n-Butylbenzene	5	1.8 U	0.7 U	2.5 U	3.7 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
n-Propylbenzene	5	1.8 U	0.76 J	2.5 U	2.7 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Naphthalene	10	1.8 U	0.82 J	2.5 U	2.7 J	1.7 J	2.5 U	2.5 U	2.5 U	0.73 J	0.7 UJ
o-Chlorotoluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
o-Xylene	5	1.8 U	3.7	4.4	5.6	2.2 J	1.4 J	1.8 J	2.5 U	2.5 U	2.9
p-Chlorotoluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
p-Diethylbenzene	NS	1.8 U	2.8	2 U	4.6	1.2 J	2 U	2 U	5.9	2 U	0.7 U
p-Ethyltoluene	NS	1.8 U	1.1 J	2 U	3.8 J	2 U	2 U	2 U	2 U	2 U	0.7 U
p-Isopropyltoluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
p/m-Xylene	5	1.8 U	1.2 J	1 J	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.74 J
sec-Butylbenzene	5	1.8 U	0.99 J	2.5 U	3.9 J	1.1 J	2.5 U	1.2 J	1.7 J	0.78 J	0.7 UJ
Styrene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
tert-Butylbenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Tetrachloroethene	5	86	8.1	**7.2**	7.5	6	3.5	17	1.4	0.87	17
Toluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
trans-1,2-Dichloroethene	5	2.8 J	2.3 J	3.2	2.6 J	1.7 J	2 J	2 J	2.5 U	2.5 U	2.3 J
trans-1,3-Dichloropropene	0.4	0.41 U	0.16 U	0.5 U	0.33 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
trans-1,4-Dichloro-2-butene	5	0.7 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	0.7 U
Trichloroethene	5	0.32 J	2.2	3.1	3	2.9	2.4	3.2	0.64	2.3	1.8 J
Trichlorofluoromethane	5	0.7 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U
Vinyl acetate	NS	1 U	1 U	5 U	2 U	5 U	5 U	5 U	5 U	5 UJ	1 U
Vinyl chloride	2	140	98	**140**	39	18	66 J	61	1 U	2.2 J	25
Total VOCs	NS	386	205	261	140	58	101	120	24	21	68
Total CVOCs	NS	376	180	246	80	42	90	107	5	14	53

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		MW-14																					
Depth:	NYSDEC (1) Ambient Water Quality Standards	-		-		-		-		-		-		-		-		-		-		-	
Sampling Date:		10/2/2015		3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017		6/1/2017		9/20/2017		12/13/2017		3/14/2018	
Laboratory ID:		L1524907-05		L1609110-05		L1619370-05		L1629516-05		L1639729-05		L1706520-05		L1718024-02		L1733661-01		L1746240-05		L1808694-05	
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	50	U	5	U	2.5	U	1.8	U		
1,1,1-Trichloroethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,1,2,2-Tetrachloroethane	5	3.6	U	0.17	J	25	U	3.3	UJ	5	UJ	5	U	10	U	1	U	0.5	U	0.42	U		
1,1,2-Trichloroethane	1	12	U	0.5	U	75	U	10	UJ	15	UJ	15	U	30	U	3	U	1.5	U	1.2	U		
1,1-Dichloroethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	UJ	5	U	2.5	U	1.8	U		
1,1-Dichloroethene	5	3.6	U	1.6		25	U	4.9	J	5	U	5	U	7	J	2.1		0.23	J	0.67	J		
1,1-Dichloropropene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,2,3-Trichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	UJ	25	U	50	UJ	5	U	2.5	U	1.8	U		
1,2,3-Trichloropropane	0.04	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,2,4,5-Tetramethylbenzene	NS	16	U	0.65	U	100	U	13	J	20	U	20	U	40	U	4	U	2	U	1.4	U		
1,2,4-Trichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,2,4-Trimethylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,2-Dibromo-3-chloropropane	0.04	18	U	0.7	U	120	U	14	UJ	25	UJ	25	UJ	50	U	5	U	2.5	U	1.8	U		
1,2-Dibromoethane	0.0006	16	U	0.65	U	100	U	13	UJ	20	U	20	U	40	U	4	U	2	U	1.6	U		
1,2-Dichlorobenzene	3	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,2-Dichloroethane	0.6	3.3	U	0.13	U	25	U	2.6	UJ	5	U	5	U	10	U	1	U	0.5	U	0.33	U		
1,2-Dichloropropane	NS	3.3	U	0.13	U	50	U	2.7	UJ	10	U	10	U	20	U	2	U	1	U	0.34	U		
1,3,5-Trimethylbenzene	1	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,3-Dichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,3-Dichloropropane	3	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,4-Dichlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
1,4-Dioxane	3	NA		41	U	12,000	U	1,200	UJ	2,500	UJ	2,500	UJ	5000	UJ	500	UJ	250	UJ	150	UJ		
2,2-Dichloropropane	NS	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	UJ	2.5	U	1.8	U		
2-Butanone	5	48	U	1.9	U	250	U	39	UJ	50	U	50	UJ	100	U	10	UJ	5	UJ	4.8	U		
2-Hexanone	50	25	U	1	U	250	U	20	UJ	50	UJ	50	UJ	100	U	10	U	5	UJ	2.5	U		
4-Methyl-2-pentanone	NS	25	U	1	U	250	U	20	UJ	50	UJ	50	UJ	100	UJ	10	J	5	U	2.5	U		
Acetone	50	64	J	1.5	U	250	U	29	UJ	50	UJ	50	U	100	U	10	UJ	5	UJ	3.6	U		
Acrylonitrile	5	38	U	1.5	U	250	U	30	UJ	50	U	50	U	100	U	10	U	5	UJ	3.8	U		
Benzene	1	4	U	0.16	U	25	U	3.2	UJ	5	U	5	U	10	U	1	U	0.5	U	0.4	U		
Bromobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Bromochloromethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Bromodichloromethane	50	4.8	U	0.19	U	25	U	3.8	UJ	5	U	5	U	10	U	1	U	0.5	U	0.48	U		
Bromoform	50	16	U	0.65	U	100	U	13	UJ	20	U	20	U	40	U	4	U	2	U	1.6	U		
Bromomethane	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	UJ	5	U	2.5	UJ	1.8	U		
Carbon disulfide	60	25	U	1	U	250	U	20	UJ	50	U	50	UJ	100	U	10	UJ	5	U	2.5	U		
Carbon tetrachloride	5	3.4	U	0.13	U	25	U	2.7	UJ	5	U	5	U	10	UJ	1	U	0.5	U	0.34	U		
Chlorobenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Chloroethane	5	18	U	0.7	U	120	U	14	U	25	U	25	UJ	50	UJ	2.4	J	2.5	U	1.8	UJ		
Chloroform	7	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Chloromethane	NS	18	U	0.7	U	120	U	14	UJ	25	UJ	25	UJ	50	U	5	UJ	2.5	UJ	1.8	U		
cis-1,2-Dichloroethene	5	1,800		1,900	E	2,800		1,600	J	660		660		1,800		210		120		250	J		
cis-1,3-Dichloropropene	0.4	3.6	U	0.14	U	25	U	2.9	UJ	5	U	5	U	10	U	1	U	0.5	U	0.36	U		
Dibromochloromethane	50	3.7	U	0.15	U	25	U	3	UJ	5	U	5	U	10	U	1	UJ	0.5	U	0.37	U		
Dibromomethane	5	25	U	1	U	250	U	20	UJ	50	U	50	U	100	U	10	U	5	U	2.5	U		
Dichlorodifluoromethane	5	25	U	1	U	250	U	20	UJ	50	UJ	50	UJ	100	UJ	10	U	5	U	2.5	U		
Ethyl ether	NS	18	U	0.7	U	120	U	14	UJ	25	UJ	25	U	50	UJ	5	UJ	2.5	U	1.8	U		
Ethylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Hexachlorobutadiene	0.5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	UJ		
Isopropylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Methyl tert butyl ether	10	18	U	0.7	U	120	U	14	UJ	25	U	25	UJ	50	U	5	U	2.5	U	1.8	U		
Methylene chloride	5	18	U	0.7	U	120	U	14	UJ	25	U	7	J	50	U	5	U	2.5	U	1.8	U		
n-Butylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
n-Propylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Naphthalene	10	18	U	0.7	U	120	U	14	UJ	25	UJ	25	U	50	U	5	U	2.5	U	1.8	U		
o-Chlorotoluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
o-Xylene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
p-Chlorotoluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
p-Diethylbenzene	NS	18	U	0.7	U	100	U	14	UJ	20	U	20	U	40	U	4	U	2	U	1.8	U		
p-Ethyltoluene	NS	18	U	0.7	U	100	U	14	UJ	20	U	20	U	40	U	4	U	2	U	1.8	U		
p-Isopropyltoluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
p/m-Xylene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
sec-Butylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Styrene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	UJ		
tert-Butylbenzene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Tetrachloroethene	5	760		150		200		140	J	78		39		200		28		36		84			
Toluene	5	18	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
trans-1,2-Dichloroethene	5	18	U	60		120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
trans-1,3-Dichloropropene	0.4	4.1	U	0.16	U	25	U	3.3	UJ	5	UJ	5	U	10	U	1	U	0.5	U	0.41	U		
trans-1,4-Dichloro-2-butene	5	0.7	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	UJ	2.5	UJ	1.8	U		
Trichloroethene	5	0.25	J	56		220		77	J	17		11		99		6		10		21			
Trichlorofluoromethane	5	0.7	U	0.7	U	120	U	14	UJ	25	U	25	U	50	U	5	U	2.5	U	1.8	U		
Vinyl acetate	NS	1	U	1	U	250	U	20	UJ	50	U	50	U	100	U	10	UJ	5	UJ	3	U		
Vinyl chloride	2	1.2		0.07	U	240		360	J	130		300	J	250		200		67	J	99	J		
Total VOCs	NS	2,625		2,168		3,460		2,195		885		1,017		2,356		459		233		455			
Total CVOCs	NS	2,561		2,106		3,460		2,177		885		1,010		2,349		444		233		454			

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	MW-15																			
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		6/1/2017		9/20/2017		12/13/2017		3/14/2018	
Laboratory ID:		L1524907-06		L1609110-06		L1619370-06		L1629516-06		L1639729-08		L1706520-08		L1718024-01		L1733661-06		L1746240-06		L1808694-06	
Volatile Organic Compounds in µg/L																					
1,1,1,2-Tetrachloroethane	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,1,1-Trichloroethane	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,1,2,2-Tetrachloroethane	5	0.36	U	0.14	U	0.5	U	0.42	U	1	UJ	0.5	U	1	U	0.5	U	1	U	0.17	U
1,1,2-Trichloroethane	1	5.6		0.5	U	1.5	U	1.2	U	3	UJ	1.5	U	3	U	1.5	U	3	U	0.5	U
1,1-Dichloroethane	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	UJ	2.5	U	5	U	0.7	U
1,1-Dichloroethene	5	0.36	U	0.14	U	0.5	U	0.42	U	1	U	0.5	U	1	U	0.5	U	1	U	0.17	U
1,1-Dichloropropene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,2,3-Trichlorobenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	UJ	2.5	U	5	UJ	2.5	U	5	U	0.7	U
1,2,3-Trichloropropane	0.04	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,2,4,5-Tetramethylbenzene	NS	29		22		11		17		5.4		3	J	4	U	2	U	4	U	0.54	U
1,2,4-Trichlorobenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,2,4-Trimethylbenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,2-Dibromo-3-chloropropane	0.04	1.8	U	0.7	U	2.5	U	1.8	U	5	UJ	2.5	UJ	5	U	2.5	U	5	U	0.7	U
1,2-Dibromoethane	0.0006	1.6	U	0.65	U	2	U	1.6	U	4	U	2	U	4	U	2	U	4	U	0.65	U
1,2-Dichlorobenzene	3	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,2-Dichloroethane	0.6	0.33	U	0.13	U	0.5	U	0.33	U	1	U	0.5	U	1	U	0.5	U	1	U	0.13	U
1,2-Dichloropropane	NS	0.33	U	0.13	U	1	U	0.34	U	2	U	1	U	2	U	1	U	2	U	0.14	U
1,3,5-Trimethylbenzene	1	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,3-Dichlorobenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,3-Dichloropropane	3	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,4-Dichlorobenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
1,4-Dioxane	3	NA		41	U	250	U	150	U	500	UJ	250	UJ	500	UJ	250	U	500	UJ	61	UJ
2,2-Dichloropropane	NS	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	UJ	5	U	0.7	U
2-Butanone	5	4.8	U	1.9	U	5	U	4.8	U	10	U	5	UJ	10	U	5	UJ	10	UJ	1.9	U
2-Hexanone	50	2.5	U	1	U	5	U	2.5	U	10	UJ	5	UJ	10	U	5	U	10	UJ	1	U
4-Methyl-2-pentanone	NS	2.5	U	1	U	5	U	2.5	U	10	UJ	5	UJ	10	UJ	5	UJ	10	U	1	U
Acetone	50	13		1.5	U	5	U	5.8	J	4.8	J	3.3	J	10	U	2.9	J	10	UJ	1.5	U
Acrylonitrile	5	3.8	U	1.5	U	5	U	3.8	U	10	U	5	U	10	U	5	U	10	UJ	1.5	U
Benzene	1	0.4	U	0.16	U	0.5	U	0.4	U	1	U	0.5	U	1	U	0.5	U	1	U	0.16	U
Bromobenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Bromochloromethane	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Bromodichloromethane	50	0.48	U	0.19	U	0.5	U	0.48	U	1	U	0.5	U	1	U	0.5	U	1	U	0.19	U
Bromoform	50	1.6	U	0.65	U	2	U	1.6	U	4	U	2	U	4	U	2	U	4	U	0.65	U
Bromomethane	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	UJ	2.5	UJ	5	UJ	0.7	U
Carbon disulfide	60	2.5	U	1	U	5	U	2.5	U	5.2	J	5	UJ	10	U	2.8	J	10	U	1	U
Carbon tetrachloride	5	0.34	U	0.13	U	0.5	U	0.34	U	1	U	0.5	U	1	UJ	0.5	U	1	U	0.13	U
Chlorobenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Chloroethane	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	UJ	5	U	2.5	U	5	U	0.7	UJ
Chloroform	7	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Chloromethane	NS	1.8	U	0.7	U	2.5	U	1.8	U	5	UJ	2.5	UJ	5	UJ	2.5	UJ	5	UJ	0.7	U
cis-1,2-Dichloroethene	5	56		6.6		6.1		14		12		18	J	6.1		14		11		3.4	
cis-1,3-Dichloropropene	0.4	0.36	U	0.14	U	0.5	U	0.36	U	1	U	0.5	U	1	U	0.5	U	1	U	0.14	U
Dibromochloromethane	50	0.37	U	0.15	U	0.5	U	0.37	U	1	U	0.5	U	1	U	0.5	U	1	U	0.15	U
Dibromomethane	5	2.5	U	1	U	5	U	2.5	U	10	U	5	U	10	U	5	U	10	U	1	U
Dichlorodifluoromethane	5	2.5	U	1	U	5	U	2.5	U	10	UJ	5	UJ	10	UJ	5	UJ	10	U	1	U
Ethyl ether	NS	1.8	U	0.7	U	2.5	U	1.8	U	5	UJ	2.5	U	5	UJ	2.5	UJ	5	U	0.7	U
Ethylbenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Hexachlorobutadiene	0.5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	UJ
Isopropylbenzene	5	1.8	U	0.81	J	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Methyl tert butyl ether	10	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	UJ	5	U	2.5	U	5	U	0.7	U
Methylene chloride	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
n-Butylbenzene	5	1.8	U	0.87	J	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
n-Propylbenzene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Naphthalene	10	1.8	U	0.7	U	2.5	U	1.8	U	5.7	J	2.5	U	5	U	2.5	U	5	U	0.7	U
o-Chlorotoluene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
o-Xylene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
p-Chlorotoluene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
p-Diethylbenzene	NS	2.3	J	0.7	U	2	U	1.8	U	4	U	2	U	4	U	2	U	4	U	0.7	U
p-Ethyltoluene	NS	1.8	U	0.7	U	2	U	1.8	U	4	U	2	U	4	U	2	U	4	U	0.7	U
p-Isopropyltoluene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
p/m-Xylene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
sec-Butylbenzene	5	1.8	U	1.3	J	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Styrene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	UJ
tert-Butylbenzene	5	1.8	U	0.95	J	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Tetrachloroethene	5	7.4		0.78		1.2		1.6		0.76	J	0.96	J	2.4		1.7		1.2		3.4	
Toluene	5	1.8	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
trans-1,2-Dichloroethene	5	2.8	J	2.4	J	1.7	J	2.1	J	1.5	J	2.2	J	5	U	1.4	J	5	U	0.7	U
trans-1,3-Dichloropropene	0.4	0.41	U	0.16	U	0.5	U	0.41	U	1	UJ	0.5	U	1	U	0.5	U	1	U	0.16	U
trans-1,4-Dichloro-2-butene	5	0.7	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	UJ	5	UJ	0.7	U
Trichloroethene	5	0.42	J	0.67		1.6		2.8		2		3.5	J	2.5		2.2		1.4		0.92	
Trichlorofluoromethane	5	0.7	U	0.7	U	2.5	U	1.8	U	5	U	2.5	U	5	U	2.5	U	5	U	0.7	U
Vinyl acetate	NS	1	U	1	U	5	U	2.5	U	10	U	5	U	10	U	5	U	10	UJ	1	U
Vinyl chloride	2	180		14		7.7		6.5		6.5		7.5	J	2	U	1	U	2.7	J	1.1	J
Total VOCs	NS	297		50		29		50		44		38		11		25		16		9	
Total CVOCs	NS	244		22		17		25		21		30		11		18		16		9	

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidanc

CVOCs = PCE, TCE, DCE, and VC

NA - Not analyzed

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		MW-16										MW-17		
Depth:	NYSDEC [1] Ambient Water Quality Standards	-	-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:		10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/20/2017	12/13/2017	3/14/2018
Laboratory ID:		L1524907-07	-	-	L1629516-12	-	-	L1718024-07	L1733661-07	-	L1808694-07	L1733661-10	L1746240-07	L1808694-08
Volatile Organic Compounds in µg/L														
1,1,1,2-Tetrachloroethane	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,1,1-Trichloroethane	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,1,2,2-Tetrachloroethane	5	2.9 U	NA	NA	1.7 U	NA	NA	0.5 U	2.5 U	NA	0.17 U	0.5 U	5 U	0.17 U
1,1,2-Trichloroethane	1	10 U	NA	NA	5 U	NA	NA	1.5 U	7.5 U	NA	0.5 U	1.5 U	15 U	0.5 U
1,1-Dichloroethane	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	0.75 J	25 U	1.4 J
1,1-Dichloroethene	5	2.8 U	NA	NA	1.7 U	NA	NA	0.5 U	2.5 U	NA	0.17 U	0.5 U	5 U	0.17 U
1,1-Dichloropropene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,2,3-Trichlorobenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 UJ	0.7 U
1,2,3-Trichloropropane	0.04	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,2,4,5-Tetramethylbenzene	NS	17 J	NA	NA	13 J	NA	NA	11 J	10 U	NA	1.1 J	2.5	20 U	3.6
1,2,4-Trichlorobenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,2,4-Trimethylbenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.6	25 U	0.7 U
1,2-Dibromo-3-chloropropane	0.04	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,2-Dibromoethane	0.0006	13 U	NA	NA	6.5 U	NA	NA	2 U	10 U	NA	0.65 U	2 U	20 U	0.65 U
1,2-Dichlorobenzene	3	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,2-Dichloroethane	0.6	2.6 U	NA	NA	1.3 U	NA	NA	0.5 U	2.5 U	NA	4.2	0.5 U	5 U	0.13 U
1,2-Dichloropropane	NS	2.7 U	NA	NA	1.4 U	NA	NA	1 U	5 U	NA	0.14 U	1 U	10 U	0.14 U
1,3,5-Trimethylbenzene	1	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	0.75 J	25 U	0.7 U
1,3-Dichlorobenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,3-Dichloropropane	3	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,4-Dichlorobenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
1,4-Dioxane	3	NA	NA	NA	610 U	NA	NA	250 UJ	1,200 UJ	NA	61 UJ	250 UJ	2,500 UJ	61 UJ
2,2-Dichloropropane	NS	14 U	NA	NA	7 U	NA	NA	2.5 U	12 UJ	NA	0.7 U	2.5 UJ	25 U	0.7 U
2-Butanone	5	39 U	NA	NA	19 U	NA	NA	15	25 UJ	NA	64	3 J	50 UJ	1.9 U
2-Hexanone	50	20 U	NA	NA	10 U	NA	NA	5 U	25 U	NA	3.5 J	5 U	50 UJ	1 U
4-Methyl-2-pentanone	NS	20 U	NA	NA	10 U	NA	NA	5 U	25 UJ	NA	1 J	5 UJ	50 U	1 U
Acetone	50	56 J	NA	NA	15 U	NA	NA	25	43	NA	84	20	50 UJ	1.5 U
Acrylonitrile	5	30 U	NA	NA	15 U	NA	NA	5 U	25 U	NA	1.5 U	5 U	50 UJ	1.5 U
Benzene	1	3.2 U	NA	NA	1.6 U	NA	NA	0.5 U	2.5 U	NA	0.18 J	0.34 J	5 U	0.23 J
Bromobenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Bromochloromethane	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Bromodichloromethane	50	3.8 U	NA	NA	1.9 U	NA	NA	0.5 U	2.5 U	NA	0.19 U	0.5 U	5 U	0.19 U
Bromoform	50	13 U	NA	NA	6.5 U	NA	NA	2 U	10 U	NA	0.65 U	2 U	20 U	0.65 U
Bromomethane	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 UJ	NA	0.7 U	2.5 UJ	25 UJ	0.7 U
Carbon disulfide	60	20 U	NA	NA	10 U	NA	NA	5 UJ	6 J	NA	20	1.1 J	50 U	1 U
Carbon tetrachloride	5	2.7 U	NA	NA	1.3 U	NA	NA	0.5 U	2.5 U	NA	0.13 U	0.5 U	5 U	0.13 U
Chlorobenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Chloroethane	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 UJ	2.5 U	25 U	0.7 UJ
Chloroform	7	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Chloromethane	NS	14 U	NA	NA	7 U	NA	NA	2.5 U	12 UJ	NA	0.7 U	2.5 UJ	25 UJ	0.7 U
cis-1,2-Dichloroethene	5	740	NA	NA	7 U	NA	NA	2 J	12 U	NA	1.5 J	8	25 U	1.1 J
cis-1,3-Dichloropropene	0.4	2.9 U	NA	NA	1.4 U	NA	NA	0.5 U	2.5 U	NA	0.14 U	0.5 U	5 U	0.14 U
Dibromochloromethane	50	3 U	NA	NA	1.5 U	NA	NA	0.5 U	2.5 U	NA	0.15 U	0.5 U	5 U	0.15 U
Dibromomethane	5	20 U	NA	NA	10 U	NA	NA	5 U	25 U	NA	1 U	5 U	50 U	1 U
Dichlorodifluoromethane	5	20 U	NA	NA	10 U	NA	NA	5 U	25 UJ	NA	1 U	5 UJ	50 U	1 U
Ethyl ether	NS	14 U	NA	NA	7 U	NA	NA	2.5 U	12 UJ	NA	0.7 U	2.5 UJ	25 U	0.7 U
Ethylbenzene	5	14 U	NA	NA	7 U	NA	NA	1.2 J	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Hexachlorobutadiene	0.5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 UJ	2.5 U	25 U	0.7 UJ
Isopropylbenzene	5	14 U	NA	NA	7 U	NA	NA	0.78 J	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Methyl tert butyl ether	10	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Methylene chloride	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
n-Butylbenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 J	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
n-Propylbenzene	5	14 U	NA	NA	7 U	NA	NA	1.2 J	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Naphthalene	10	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.71 J	3.4	25 U	1 J
o-Chlorotoluene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
o-Xylene	5	14 U	NA	NA	7 U	NA	NA	1.8 J	12 U	NA	0.7 U	2 J	25 U	0.7 U
p-Chlorotoluene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
p-Diethylbenzene	NS	14 U	NA	NA	7 U	NA	NA	2 U	14	NA	0.7 U	4.2	20 U	0.7 U
p-Ethyltoluene	NS	14 U	NA	NA	7 U	NA	NA	2 U	10 U	NA	0.7 U	1.3 J	20 U	0.7 U
p-Isopropyltoluene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
p/m-Xylene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
sec-Butylbenzene	5	14 U	NA	NA	7 U	NA	NA	2.4 J	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Styrene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 UJ	2.5 U	25 U	0.7 UJ
tert-Butylbenzene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Tetrachloroethene	5	3.7 J	NA	NA	1.8 U	NA	NA	0.5 U	2.5 U	NA	0.27 J	12	11	1.3
Toluene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
trans-1,2-Dichloroethene	5	14 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
trans-1,3-Dichloropropene	0.4	3.3 U	NA	NA	1.6 U	NA	NA	0.5 U	2.5 U	NA	0.16 U	0.5 U	5 U	0.16 U
trans-1,4-Dichloro-2-butene	5	0.7 U	NA	NA	7 U	NA	NA	2.5 U	12 UJ	NA	0.7 U	2.5 UJ	25 UJ	0.7 U
Trichloroethene	5	0.18 U	NA	NA	1.8 U	NA	NA	1.4	1.3 J	NA	0.22 J	4	11	1.5
Trichlorofluoromethane	5	0.7 U	NA	NA	7 U	NA	NA	2.5 U	12 U	NA	0.7 U	2.5 U	25 U	0.7 U
Vinyl acetate	NS	1 U	NA	NA	10 U	NA	NA	5 U	25 U	NA	1 U	5 U	50 UJ	1 U
Vinyl chloride	2	0.07 U	NA	NA	7.7 J	NA	NA	2.5	5 U	NA	0.82 J	1 U	1.6 J	1.5
Total VOCs	NS	817	NC	NC	21	NC	NC	67	64	NC	182	66	24	12
Total CVOCs	NS	744	NC	NC	8	NC	NC	6	1	NC	3	24	24	5

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater 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		10/7/2014		5/11/2015		10/2/2015		3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017	
Laboratory ID:		L1218814-01		L1301890-01		L1319520-06		L1423615-01		L1510117-03		L1524907-09		L1609110-07		L1619370-07		L1629516-07		L1639729-06		L1706520-06	
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	1	U	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	2.5	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-Dioxane	3	NA		NA		NA		NA		NA		NA		41	U	250	UJ	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	5	U	1.9	U	5	U	5	UJ
2-Hexanone	50	250	U	500	U	12	U	1	U	1	U	1	U	1	U	5	UJ	1	U	5	UJ	5	UJ
4-Methyl-2-pentanone	NS	250	U	500	U	12	U	1	U	1	U	1	U	1	U	5	UJ	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	**68**	**J**	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	U	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	0.5	U	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	2.5	U	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	2.5	U	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	0.5	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	2	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	UJ	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	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	2.5	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	U	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	2.5	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	2.5	UJ	0.7	U	2.5	UJ	2.5	UJ
cis-1,2-Dichloroethene	5	2,700		5,200		160		140		100		32		26		**20**		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	0.5	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	0.5	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	5	U	1	U	5	U	5	U
Dichlorodifluoromethane	5	250	U	500	U	12	U	1	U	1	U	1	U	1	U	5	UJ	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	2.5	U	0.7	U	2.5	UJ	2.5	UJ
Ethylbenzene	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
Hexachlorobutadiene	0.5	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
Isopropylbenzene	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
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	13		5.6	J	3.5	J	5		3.4		0.7	U	5		2	U	0.7	U	2	U	2	U
p-Ethyltoluene	NS	100	U	200	U	5	U	0.7	U	0.7	U	0.7	U	0.7	U	2	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	2.5	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	2.5	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		0.49	J	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	1.4	J	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	0.5	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	2.5	UJ	0.7	U	2.5	U	2.5	U
Trichloroethene	5	1,100		1,500		10		NA		3		0.18	U	0.56		0.43	J	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	2.5	U	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	5	U	1	U	5	U	5	U
Vinyl chloride	2	480		1,200		2.5	U	NA		39		0.07	U	50		**32**	**J**	140		1	U	0.23	J
Total VOCs	NS	5,019		9,315		312		156		151		41		87		128		178		0		0	
Total CVOCs	NS	4,980		9,300		203		143		144		33		78		53		170		0		0	

Client Sample ID:	MLWell1																						
Depth:	15-20'																						
Sampling Date:	6/1/2017		9/20/2017		12/13/2017		3/14/2018																
Laboratory ID:	L1718024-05		L1733661-04		L1746240-08		L1808694-09																
Volatile Organic Compounds in µg/L																							
1,1,1,2-Tetrachloroethane	2.5	U	2.5	U	2.5	U	1.8	U															
1,1,1-Trichloroethane	2.5	U	2.5	U	2.5	U	1.8	U															
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.42	U															
1,1,2-Trichloroethane	1.5	U	1.5	U	1.5	U	1.2	U															
1,1-Dichloroethane	2.5	U	2.5	U	2.5	U	1.8	U															
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.56	J															
1,1-Dichloropropene	2.5	U	2.5	U	2.5	U	1.8	U															
1,2,3-Trichlorobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,2,3-Trichloropropane	2.5	U	2.5	U	2.5	U	1.8	U															
1,2,4,5-Tetramethylbenzene	4.4	J	2	U	3.8		2.2	J															
1,2,4-Trichlorobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,2,4-Trimethylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,2-Dibromo-3-chloropropane	2.5	UJ	2.5	U	2.5	U	1.8	U															
1,2-Dibromoethane	2	U	2	U	2	U	1.6	U															
1,2-Dichlorobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.33	U															
1,2-Dichloropropane	1	U	1	U	1	U	0.34	U															
1,3,5-Trimethylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,3-Dichlorobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,3-Dichloropropane	2.5	U	2.5	U	2.5	U	1.8	U															
1,4-Dichlorobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
1,4-Dioxane	250	UJ	250	UJ	250	UJ	150	UJ															
2,2-Dichloropropane	2.5	U	2.5	UJ	2.5	U	1.8	U															
2-Butanone	5	U	5	U	5	UJ	4.8	U															
2-Hexanone	5	U	5	U	5	UJ	2.5	U															
4-Methyl-2-pentanone	5	U	5	UJ	5	U	2.5	U															
Acetone	1.7	J	5	U	5	UJ	24																
Acrylonitrile	5	U	5	U	5	UJ	3.8	U															
Benzene	0.5	U	0.5	U	0.5	U	0.4	U															
Bromobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Bromochloromethane	2.5	U	2.5	U	2.5	U	1.8	U															
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.48	U															
Bromoform	2	U	2	U	2	U	1.6	U															
Bromomethane	2.5	U	2.5	UJ	2.5	UJ	1.8	U															
Carbon disulfide	5	UJ	5	UJ	5	U	2.5	U															
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.34	U															
Chlorobenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Chloroethane	2.5	UJ	2.5	U	2.5	U	1.8	UJ															
Chloroform	2.5	U	2.5	U	2.5	U	1.8	U															
Chloromethane	2.5	U	2.5	U	2.5	U	1.8	U															
cis-1,2-Dichloroethene	11		1.9	J	10		280																
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.36	U															
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.37	U															
Dibromomethane	5	U	5	U	5	U	2.5	U															
Dichlorodifluoromethane	5	U	5	UJ	5	U	2.5	U															
Ethyl ether	2.5	U	2.5	UJ	2.5	U	1.8	U															
Ethylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Hexachlorobutadiene	2.5	U	2.5	U	2.5	U	1.8	UJ															
Isopropylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Methyl tert butyl ether	2.5	U	2.5	U	2.5	U	1.8	U															
Methylene chloride	2.5	U	2.5	U	2.5	U	1.8	U															
n-Butylbenzene	2.5	UJ	2.5	U	2.5	U	1.8	U															
n-Propylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Naphthalene	2.5	U	2.5	U	2.5	U	1.8	U															
o-Chlorotoluene	2.5	U	2.5	U	2.5	U	1.8	U															
o-Xylene	2.5	U	2.5	U	2.5	U	1.8	U															
p-Chlorotoluene	2.5	U	2.5	U	2.5	U	1.8	U															
p-Diethylbenzene	2	U	3.9		2	U	1.8	U															
p-Ethyltoluene	2	U	2	U	2	U	1.8	U															
p-Isopropyltoluene	2.5	U	2.5	U	2.5	U	1.8	U															
p/m-Xylene	2.5	U	2.5	U	2.5	U	1.8	U															
sec-Butylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Styrene	2.5	U	2.5	U	2.5	U	1.8	UJ															
tert-Butylbenzene	2.5	U	2.5	U	2.5	U	1.8	U															
Tetrachloroethene	0.5	U	0.5	U	0.5	U	0.46	J															
Toluene	2.5	U	2.5	U	2.5	U	1.8	U															
trans-1,2-Dichloroethene	1.3	J	1.2	J	1.8	J	3.7	J															
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.41	U															
trans-1,4-Dichloro-2-butene	2.5	U	2.5	UJ	2.5	UJ	1.8	U															
Trichloroethene	0.5	U	0.5	U	0.2	J	0.79	J															
Trichlorofluoromethane	2.5	U	2.5	U	2.5	U	1.8	U															
Vinyl acetate	5	U	5	U	5	UJ	2.5	U															
Vinyl chloride	40		7.9		30	J	100	J															
Total VOCs	58		15		46		412																
Total CVOCs	51		10		40		381																

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1] Ambient Water Quality Standards	MLWell1																			
Depth:		35-40'																			
Sampling Date:		10/17/2012		1/30/2013		9/30/2013		3/29/2016		6/22/2016		9/16/2016		12/6/2016		3/1/2017		6/1/2017		9/20/2017		12/13/2017		3/14/2018	
Laboratory ID:		L1218814-02		L1301890-02		L1319520-07		L1609110-09		L1619370-08		L1629516-08		L1639729-07		L1706520-07		L1718024-06		L1793661-05		L1746240-09		L1808694-10	
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	0.7	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	0.7	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	0.17	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	0.5	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	0.7	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	0.17	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	0.7	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	0.7	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	0.7	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	UJ	2	U	2	U	0.54	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	0.7	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	0.7	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	0.7	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	0.65	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	0.7	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	0.13	U
1,2-Dichloropropane	NS	1	U	1	U	1	U	0.13	U	1	U	0.14	U	1	U	1	U	1	U	1	U	1	U	0.14	U
1,3,5-Trimethylbenzene	1	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	0.7	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	0.7	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	0.7	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	0.7	U
1,4-Dioxane	3	NA		NA		NA		41	U	250	U	61	U	250	UJ	250	UJ	250	UJ	250	UJ	250	UJ	61	UJ
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	2.5	U	2.5	UJ	2.5	U	0.7	U
2-Butanone	5	5,000	U	5	U	5	U	1.9	U	5	U	1.9	U	5	U	5	UJ	5	U	5	U	5	UJ	1.9	U
2-Hexanone	50	5,000	U	5	U	5	U	1	U	5	U	1	U	5	UJ	5	UJ	5	U	5	U	5	UJ	1	U
4-Methyl-2-pentanone	NS	5,000	U	5	U	5	U	1	U	5	U	1	U	5	UJ	5	UJ	5	U	5	UJ	5	U	1	U
Acetone	50	5,000	U	5		5	U	1.5	U	5	U	1.5	U	5	UJ	5	U	5	U	5	U	5	UJ	1.5	U
Acrylonitrile	5	5,000	U	5	U	5	U	1.5	U	5	U	1.5	U	5	U	5	U	5	U	5	U	5	UJ	1.5	U
Benzene	1	500	U	0.5	U	0.5	U	0.16	U	0.5	U	0.16	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.16	U
Bromobenzene	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	2.5	U	2.5	U	2.5	U	0.7	U
Bromochloromethane	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	2.5	U	2.5	U	2.5	U	0.7	U
Bromodichloromethane	50	500	U	0.5	U	0.5	U	0.19	U	0.5	U	0.19	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.19	U
Bromoform	50	2,000	U	2	U	2	U	0.65	U	2	U	0.65	U	2	U	2	U	2	U	2	U	2	U	0.65	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	2.5	U	2.5	UJ	2.5	UJ	0.7	U
Carbon disulfide	60	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	UJ	5	UJ	5	UJ	5	U	1	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	0.5	U	0.5	U	0.5	U	0.13	U
Chlorobenzene	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	UJ
Chloroform	7	2,500	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	0.7	U
Chloromethane	NS	2,500	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	UJ	2.5	UJ	0.7	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	2.5	U	2.5	U	2.5	U	0.7	U
cis-1,3-Dichloropropene	0.4	500	U	0.5	U	0.5	U	0.14	U	0.5	U	0.14	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.14	U
Dibromochloromethane	50	500	U	0.5	U	0.5	U	0.15	U	0.5	U	0.15	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.15	U
Dibromomethane	5	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	U	5	U	5	U	5	U	1	U
Dichlorodifluoromethane	5	5,000	U	5	U	5	U	1	U	5	U	1	U	5	UJ	5	UJ	5	U	5	UJ	5	U	1	U
Ethyl ether	NS	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U	2.5	U	2.5	UJ	2.5	U	0.7	U
Ethylbenzene	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	2.5	U	2.5	U	2.5	U	0.7	U
Hexachlorobutadiene	0.5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.7	UJ
Isopropylbenzene	5	2,500	U	0.71	J	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	0.7	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	UJ	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	U
p-Diethylbenzene	NS	0.18	J	2	U	2	U	0.7	U	2	U	0.7	U	2	U	2	U	2	U	2	U	2	U	0.7	U
p-Ethyltoluene	NS	2,000	U	2	U	2	U	0.7	U	2	U	0.7	U	2	U	2	U	2	U	2	U	2	U	0.7	U
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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	U
sec-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	2.5	U	2.5	U	2.5	U	0.7	U
Styrene	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	2.5	U	2.5	U	2.5	U	0.7	UJ
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	2.5	U	2.5	U	2.5	U	0.7	U
Tetrachloroethene	5	340,000	E	2.5	U	0.5	U	2.3		0.28	J	0.18	J	0.5	U	0.26	J	0.5	U	0.56		0.5	U	0.18	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	2.5	U	2.5	U	2.5	U	0.7	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	2.5	U	2.5	U	2.5	U	0.7	U
trans-1,3-Dichloropropene	0.4	500	U	0.5	U	0.5	U	0.16	U	0.5	U	0.16	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U	0.16	U
trans-1,4-Dichloro-2-butene	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	2.5	U	2.5	UJ	2.5	UJ	0.7	U
Trichloroethene	5	26,000		0.5	U	0.5	U	0.21	J	0.33	J	0.25	J	0.5	U	0.29	J	0.5	U	0.5	U	0.5	U	0.18	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	2.5	U	2.5	U	2.5	U	0.7	U
Vinyl acetate	NS	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	U	5	U	5	U	5	UJ	1	U
Vinyl chloride	2	1,000	U	13		1	U	0.07	U	0.12	J	1.2		1	U	1	U	0.33	J	1	U	0.08	J	0.07	UJ
Total VOCs	NS	391,001		25		0		3		1		3		0		1		0		1		0		0	
Total CVOCs	NS	391,000		17		0		3		1		2		0		1		0		1		0		0	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidanc
CVOCs = PCE, TCE, DCE, and VC
NA - Not analyzed
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	MLWell1						MLWell1						MLWell1					
Depth:	Ambient Water	55-60'			75-80'			95-100'			115-120'								
Sampling Date:	Quality Standards	10/17/2012	1/30/2013	9/30/2013	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:		L1218814-03	L1301890-03	L1319520-08	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	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	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	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	1.5 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	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	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	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	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	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	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	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	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	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	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	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	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 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	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	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	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	2.5 U	2.5 U	2.5 U						
1,4-Dioxane	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
2,2-Dichloropropane	NS	50 U	2.5 U	2.5 U	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	100 U	5 U	5 U	12 U	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
2-Hexanone	50	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
4-Methyl-2-pentanone	NS	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
Acetone	50	100 U	1.6 J	5 U	12 U	68	5 U	5 U	5 U	4.3 J	2.1	9	5 U						
Acrylonitrile	5	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
Benzene	1	10 U	0.5 U	0.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	10 U	0.5 U	0.5 U	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	40 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U						
Bromomethane	5	50 U	2.5 U	2.5 U	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	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
Carbon tetrachloride	5	10 U	0.5 U	0.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	870	2.5 U	2.5 U	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	10 U	0.5 U	0.5 U	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	10 U	0.5 U	0.5 U	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	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
Dichlorodifluoromethane	5	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
Ethyl ether	NS	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U						
p-Ethyltoluene	NS	40 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U						
p-Isopropyltoluene	5	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	410	2.5 U	0.5 U	120	2.5 U	0.5 U	3.8	0.5 U	0.71 J	1.9	15	2.5						
Toluene	5	50 U	2.5 U	2.5 U	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	50 U	2.5 U	2.5 U	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	10 U	0.5 U	0.5 U	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	50 U	2.5 U	2.5 U	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	100	0.5 U	0.5 U	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	50 U	2.5 U	2.5 U	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	100 U	5 U	5 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
Vinyl chloride	2	290	1 U	1 U	15	1 U	1 U	13	1 U	1 U	2	1 U	1 U						
Total VOCs	NS	1,670	2	0	218	96	0	46	0	5	12	24	3						
Total CVOCs	NS	1,670	0	0	215	0	0	46	0	1	9	15	3						

Notes

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NS - No Standard

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

E - Concentration of analyte exceeds the range of the calibr

Highlighted values indicate exceedance of the NYSDEC AW

Table 4

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

Sample Date:	NYSDOH Air Guideline Values [1]	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		6/1/2017	
Sample Type:		Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Laboratory ID		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	L1718104-01	L1718104-02
VOCs by TO-15 in µg/m³																							
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	<2.18	<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	<2.75	<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	<2.18	<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	4.61	<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	<1.59	<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	<2.97	<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	<1.97	<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	<3.07	<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	<2.40	<1.20
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	<1.62	<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	<1.85	<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	<1.97	<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	0.969	<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	<2.40	<1.20
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	<2.40	<1.20
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	<1.44	<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	<1.87	<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	206	122
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	24.5	43.4
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	<1.25	<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	<1.97	<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	<4.10	<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	1,290	568
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	<1.28	2.09
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	<2.07	<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	<2.68	<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	<4.14	<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	<1.55	<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	<1.25	<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	<2.52	<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	<1.84	<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	40.4	<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	5.23	4.1
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	5.37	0.541
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	31.8	88.8
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	<1.82	<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	<1.38	3.05
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	<3.41	<1.70
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	<1.98	2.35
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	164	43.3
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	<3.60	<1.80
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	<1.74	<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	<3.07	<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	<2.80	<1.40
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	17.1	<0.820
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	<4.27	<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	81.9	56.8
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	<1.44	<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	<3.47	<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	2.9	<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	<1.74	<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	<3.47	<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	<1.70	<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	105	114
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	624	<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	<2.95	<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	<1.51	5.95
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	<1.59	1.31
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	<1.82	<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	25.4	<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	<2.25	2.25
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	<1.75	<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	2.01	<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	2631.19	1,057.94

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

Table 5

SVE Influent TVOCs
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	218	-	-
11/24/15	4,488	217	0.0043	1.4319
12/02/15	774	230	0.0023	0.4352
12/09/15	1,488	218	0.0009	0.1551
12/17/15	1,508	218	0.0012	0.2349
03/29/16	694	218	0.0009	2.2224
06/22/16	307	230	0.0004	0.8792
09/16/16	2,179	230	0.0011	2.2098
12/06/16	771	218	0.0012	2.3415
03/01/17	465	210	0.0005	0.9918
06/01/17	2,631	210	0.0012	2.6885
Total TVOCs Removed since November 10, 2015 (lbs):				**13.5901**

Notes:

The carbon filtration drum was removed from the system on August 21, 2017. Average SVE flow rates have subsequently decreased since then as the vacuum at gauge VI-703 has increased.

CHARTS

Chart 1

Groundwater CVOCs Per Well

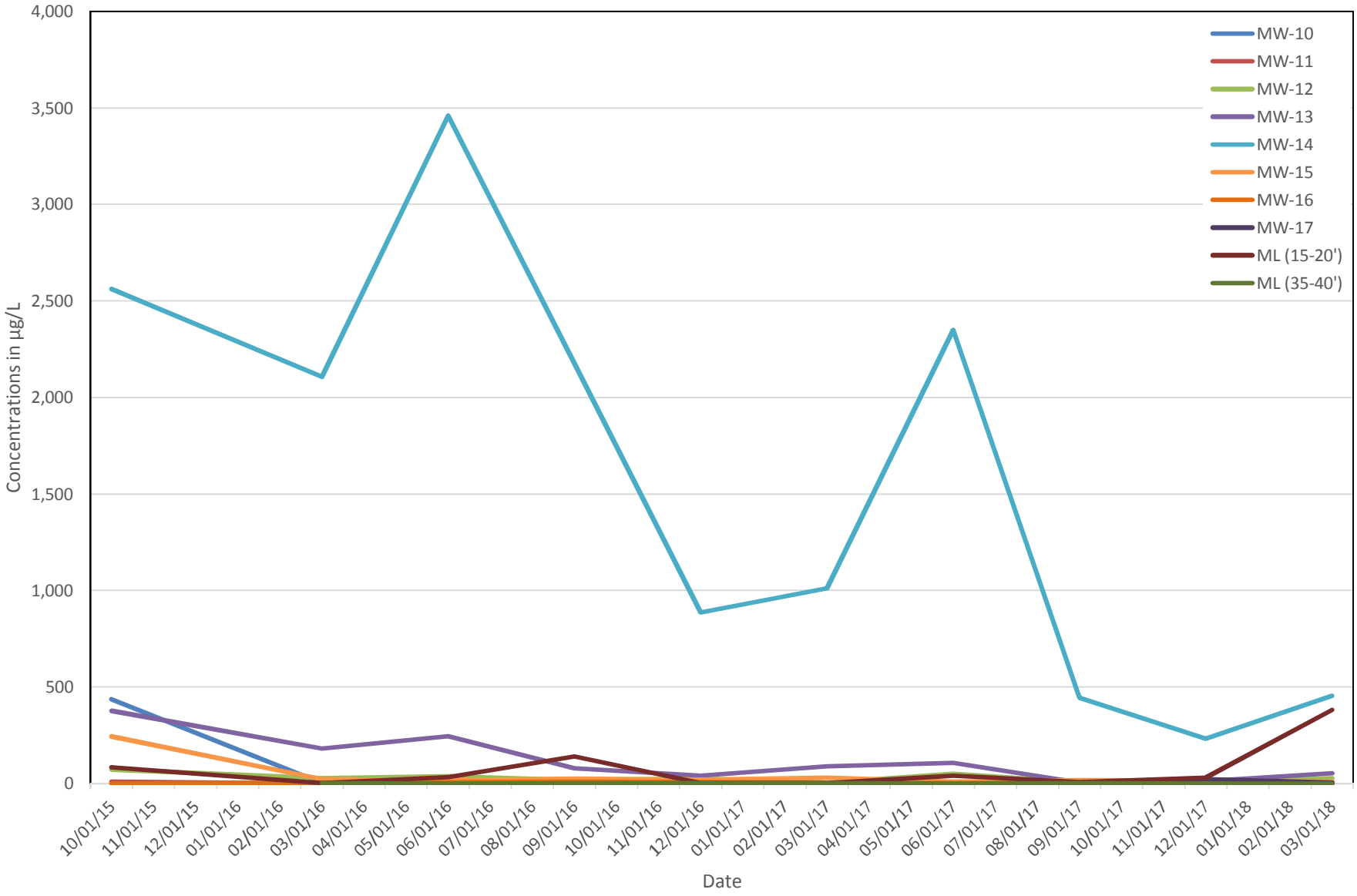


Chart 2

Groundwater CVOCs Across All Wells

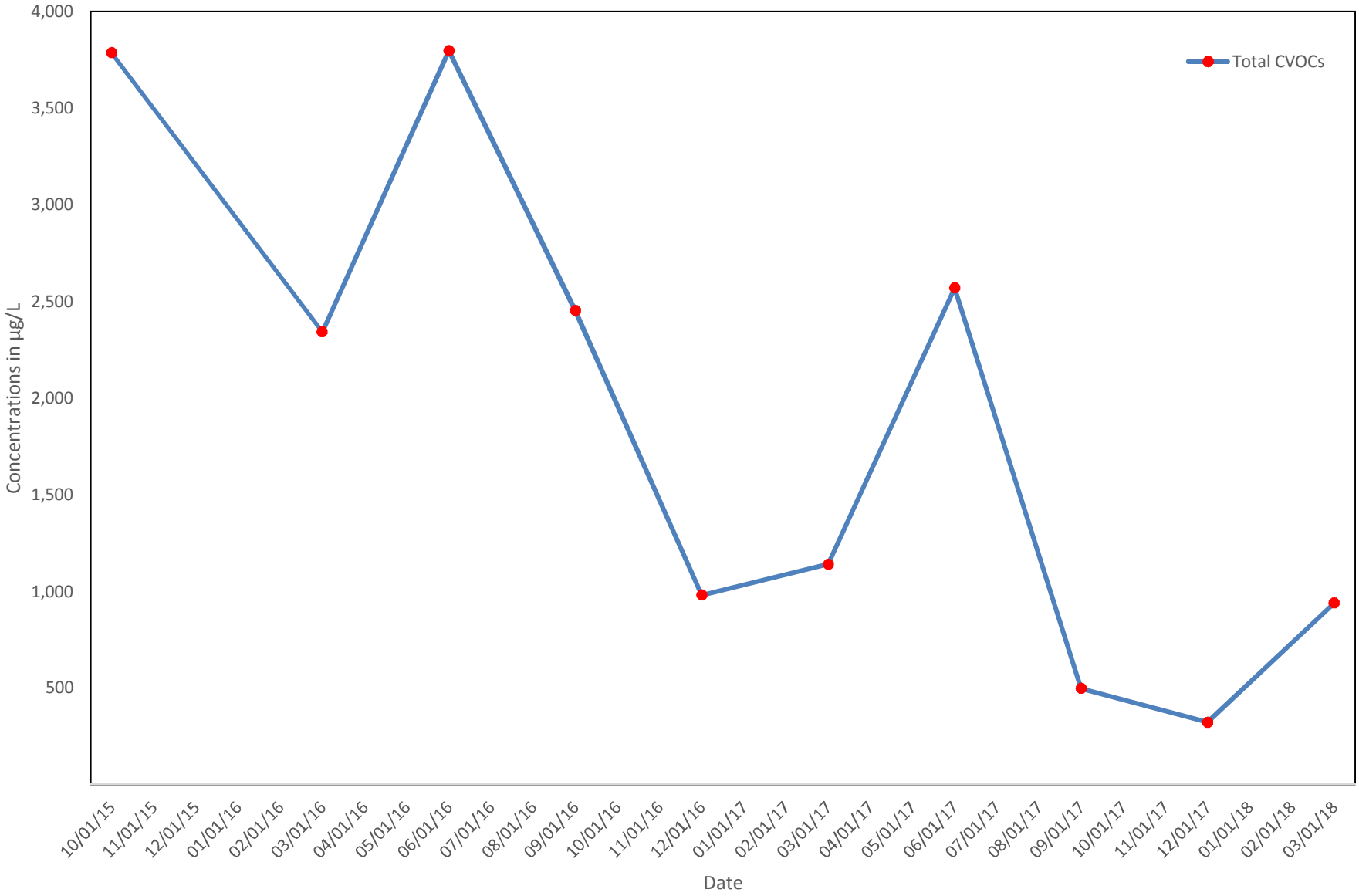
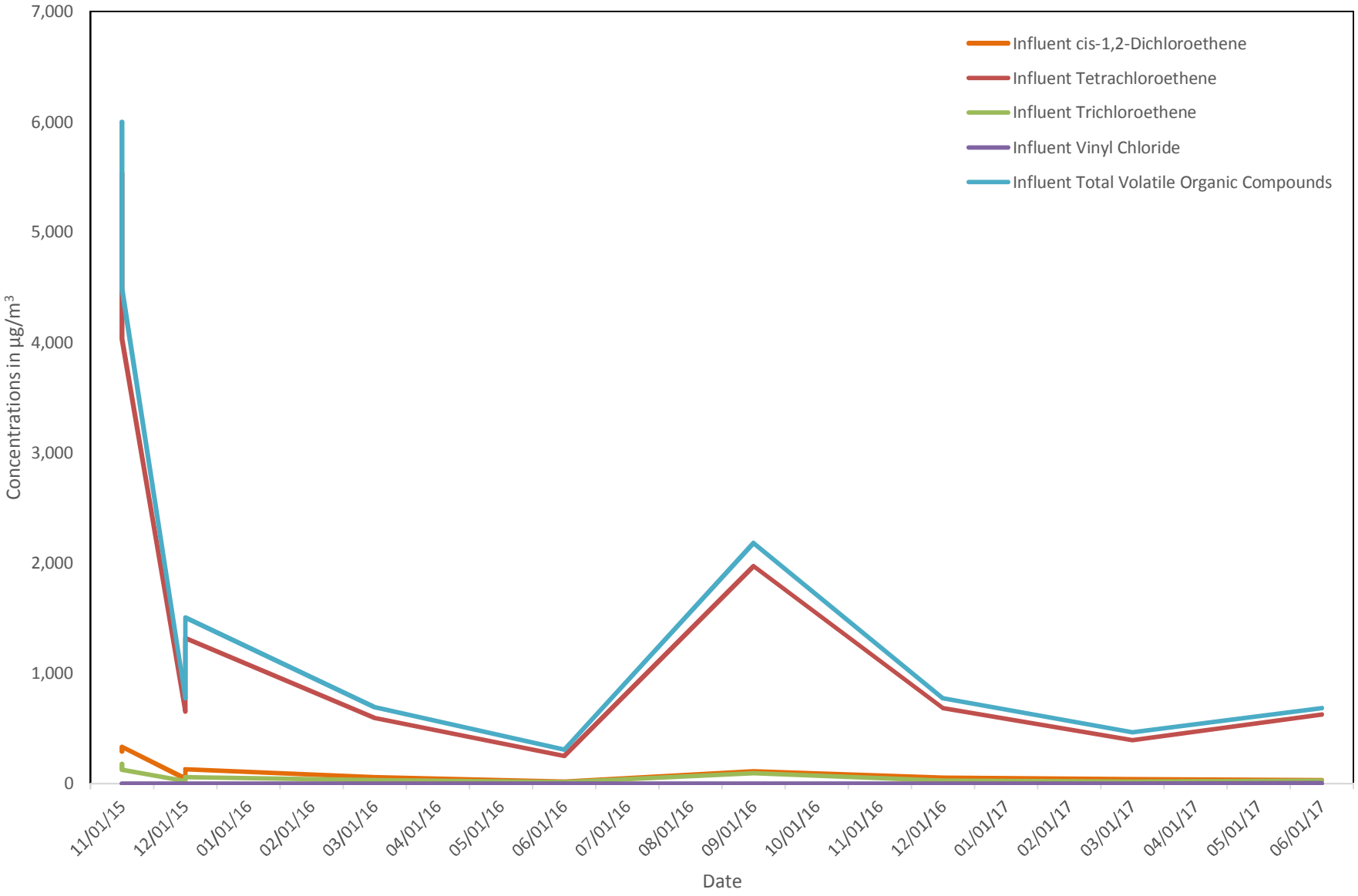


Chart 3

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: 12:00

Inspection Date: 3-14-2018 Weather Conditions: Sunny, Windy -33°F

General Site Conditions: Site is in good 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?
- Any other visible openings (unintended) in the ground floors?

Cover System – Exterior

- Are there any signs of significant cracks, settlement, or deterioration of paved areas?
- Has any of the pavement material been removed?
- Are there any signs of intrusive activities (drilling, digging, trenching, excavating, etc?)

Monitoring Wells

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

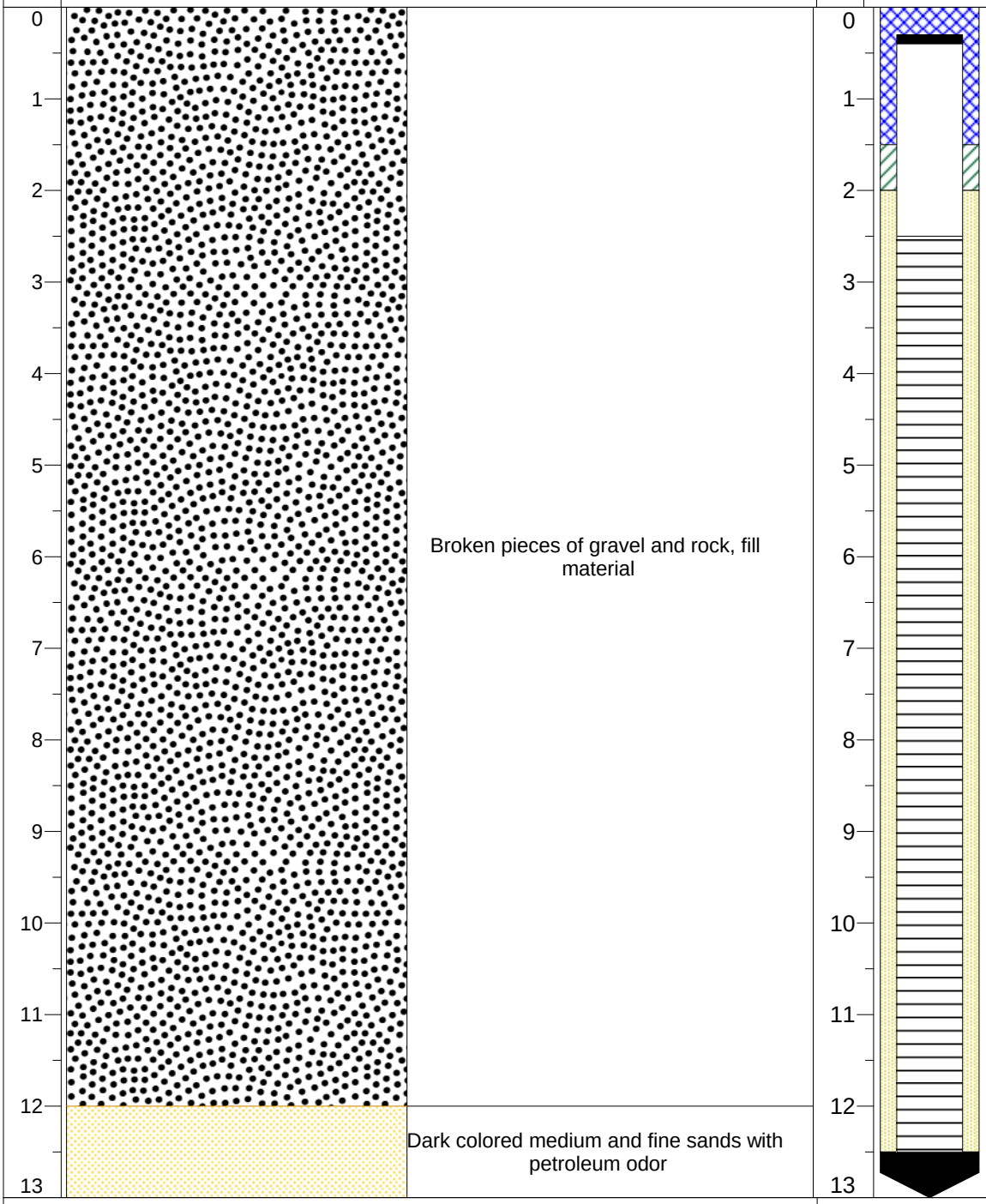
Comments: The Site and all Utilities/aspects of the Remedial Work are in good Working Condition. No Cracks in the Concrete Slab

Inspector's Signature: Nick Russell

APPENDIX B

PROJECT: CIR1701	**Log of Well No. MW-17**
BORING LOCATION: 3140 Coney Island Ave, Brooklyn, NY	GROUND SURFACE ELEVATION AND DATUM:
DRILLING CONTRACTOR: Enviroprobe	DATE STARTED: 9/13/17 / DATE FINISHED: 9/13/17
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 12.5 / SCREEN INTERVAL (ft.): 2.5 - 12.5
DRILLING EQUIPMENT: Mobil Drill 61	DEPTH TO WATER: FIRST: 9 / COMPL. / CASING: 4" PVC
SAMPLING METHOD: NA	LOGGED BY: NR
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: NR / REG. NO.

DEPTH (feet)	Soil Description	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0–12	Broken pieces of gravel and rock, fill material	Traffic Rated Well Box 4" diameter Schedule 40 PVC casing Cement grout. Bentonite chip seal 6" diameter borehole #2 Morie Sand 4" diameter, 0.010" slot, Schedule 40 PVC screen 4" diameter Schedule 40 PVC end cap
12–13	Dark colored medium and fine sands with petroleum odor	Refusal hit at 12.5' BGS



APPENDIX C

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:**	CIR1701

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.39	**Groundwater Elevation (ft):**	1.21
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	6.22	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.01	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/1/2017	**Begin Purge Time:**	13:28
Sample Time:	13:57	**Complete Purge Time:**	13:56
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:28
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	Dark color, then cleared up
Date Shipped:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:28	24.91	6.45	6.15	37.80	6.15	4043.55			
13:29	22.90	5.93	2.58	39.08	3.28	2102.65			
13:32	21.61	5.87	2.65	79.29	2.10	623.11			
13:35	21.34	5.84	2.67	98.41	1.67	522.43			
13:38	21.48	5.81	2.60	111.32	1.34	442.24			
13:41	21.53	5.80	2.55	119.87	1.16	384.12			
13:44	21.56	5.80	2.48	126.13	1.00	68.61			
13:47	21.44	5.79	2.44	130.50	0.82	48.79			
13:50	21.26	5.79	2.45	132.08	0.79	46.98			
13:53	21.26	5.79	2.27	131.79	0.71	39.87			
13:56	23.09	5.83	2.46	128.25	1.45	206.76			

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:**	CIR1701

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.64	**Groundwater Elevation (ft):**	1.09
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.65	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.08	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/1/2017	**Begin Purge Time:**	14:03
Sample Time:	14:30	**Complete Purge Time:**	14:27
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:24
Sample Appearance:	Slight tinge	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	Rust Color
Date Shipped:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:03	23.24	6.26	1.49	125.53	3.41	930.03			
14:06	21.33	6.21	1.46	86.77	0.62	582.28			
14:09	21.30	6.19	1.40	81.91	0.42	420.74			
14:12	21.27	6.19	1.36	81.24	0.29	255.96			
14:15	21.45	6.19	1.35	80.83	0.24	201.85			
14:18	20.99	6.21	1.34	84.16	0.16	167.72			
14:21	20.67	6.23	1.36	85.65	0.12	105.07			
14:24	20.53	6.26	1.38	85.49	0.07	59.30			
14:27	20.49	6.28	1.39	79.40	0.05	55.55			

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:**	CIR1701

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.49	**Groundwater Elevation (ft):**	1.16
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	4.62	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.75	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/1/2017	**Begin Purge Time:**	11:21
Sample Time:	11:45	**Complete Purge Time:**	11:36
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:**	Dark color, then cleared up
Date Shipped:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:21	18.65	7.21	0.94	-47.28	1.97	1093.42			
11:24	18.24	7.17	0.94	-42.84	1.19	518.08			
11:27	18.28	7.18	0.98	-54.72	1.22	73.37			
11:30	18.47	7.17	0.99	-60.27	1.06	22.77			
11:33	18.63	7.17	0.99	-61.94	0.94	10.43			
11:36	18.68	7.17	0.99	-53.63	0.89	10.62			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.72	**Groundwater Elevation (ft):**	1.17
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.79	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.78	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/1/2017	**Begin Purge Time:**	10:46
Sample Time:	11:08	**Complete Purge Time:**	11:07
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:21
Sample Appearance:		**Odors Observed:**	Suspect Odor
Analytical Laboratory:	Alpha	**Notes:**	Sheen
Date Shipped:	6/1/2017		Dupe taken
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:46	19.58	6.93	0.00	-87.89	2.81	0.00			
10:49	17.57	6.97	1.62	-124.85	0.15	57.87			
10:52	17.37	7.00	1.52	-118.08	0.08	8.55			
10:55	17.52	7.02	1.48	-120.04	0.04	1.21			
10:58	17.33	7.04	1.46	-123.48	0.03	0.09			
11:01	17.31	7.08	1.41	-129.65	0.03	0.00			
11:04	17.36	7.06	1.42	-128.11	0.03	0.00			
11:07	17.30	7.08	1.41	-129.08	0.03	0.00			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.74	**Groundwater Elevation (ft):**	1.11
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.88	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.63	**Calculated Purge Volume (gal):**	NA
Sample Date:	6/1/2017	**Begin Purge Time:**	10:04
Sample Time:	10:30	**Complete Purge Time:**	10:25
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:21
Sample Appearance:	Yellow tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	Sheen at start MS/MSD
Date Shipped:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:04	18.70	7.66	0.00	1.62	8.20	69.75			
10:07	17.78	7.12	1.09	-18.02	0.81	172.54			
10:10	17.87	7.11	1.10	15.53	0.32	29.50			
10:13	18.17	7.11	1.11	31.65	0.21	6.80			
10:16	18.38	7.12	1.10	37.50	0.22	2.95			
10:19	18.51	7.12	1.10	45.87	0.27	1.38			
10:22	18.62	7.12	1.10	51.61	0.25	0.25			
10:25	19.23	7.12	1.10	54.41	0.23	1.47			

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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:**	CIR1701

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.54	**Groundwater Elevation (ft):**	-1.05
Depth to Bottom (ft):	4.63	**Bottom Elevation (ft):**	-2.14
Height of Water Column (ft):	1.09	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.04	**Calculated Purge Volume (gal):**	0.13
Sample Date:	6/1/2017	**Begin Purge Time:**	0:00
Sample Time:	10:20	**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:	6/1/2017		
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:**	CIR1701

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.11	**Groundwater Elevation (ft):**	1.14
Depth to Bottom (ft):	9.68	**Bottom Elevation (ft):**	0.57
Height of Water Column (ft):	0.57	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.02	**Calculated Purge Volume (gal):**	NA
Sample Date:	14:00	**Begin Purge Time:**	NA
Sample Time:	0:00	**Complete Purge Time:**	NA
Purge Method:	NA	**Sample Method:**	Check Valve
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Suspect odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well. Interface probe did not detect any oil product in the well, however the standing water was very dark with an odor.
Date Shipped:	6/1/2017		
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:**	CIR1701

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	8.93	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	10.48	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.43	**Calculated Purge Volume (gal):**	1.29
Sample Date:	6/1/2017	**Begin Purge Time:**	13:06
Sample Time:	12:00	**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:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:46	19.28	6.77	0.00	-56.71	6.71	380.73			
11:47	18.58	6.61	0.98	-69.80	4.28	71.63			
11:48	18.29	6.57	0.99	-83.68	1.94	81.89			
11:49	18.17	6.58	0.99	-91.75	1.25	84.07			
11:50	18.11	6.59	1.00	-97.73	0.85	133.60			
11:51	17.97	6.57	0.68	-65.46	2.22	138.70			
11:52	18.02	6.59	0.65	-54.08	0.65	129.36			
11:53	17.99	6.59	1.03	-78.70	0.42	15.30			

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:**	CIR1701

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:	6/1/2017	**Begin Purge Time:**	12:03
Sample Time:	12:15	**Complete Purge Time:**	12:08
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:05
Sample Appearance:	Slight tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:03	19.08	7.17	1135.13	-74.91	6.82	23.72			
12:04	18.71	7.35	1112.27	-70.62	7.22	56.26			
12:05	18.16	7.37	1024.83	-35.65	5.45	58.37			
12:06	18.27	7.36	1030.28	-20.76	4.99	76.16			
12:07	18.37	7.20	1052.39	-11.76	3.86	108.72			
12:08	18.43	7.10	1050.31	-4.94	2.26	132.90			

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:**	CIR1701

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.41	**Groundwater Elevation (ft):**	1.19
Depth to Bottom (ft):	14.53	**Bottom Elevation (ft):**	-4.93
Height of Water Column (ft):	6.12	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.00	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	13:28
Sample Time:	14:45	**Complete Purge Time:**	13:56
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:28
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	Dark color, then cleared up
Date Shipped:	9/20/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:29	21.83	7.96	7.04	-124.00	8.38	938.00			
14:33	21.18	7.13	5.17	-141.00	5.54	167.00			
14:36	21.25	6.62	4.33	-122.00	5.08	80.00			
14:39	21.63	6.49	4.09	-118.00	5.52	57.90			
14:42	22.26	6.43	4.05	-116.00	5.38	52.50			

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:**	CIR1701

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.56	**Groundwater Elevation (ft):**	1.17
Depth to Bottom (ft):	14.97	**Bottom Elevation (ft):**	-5.24
Height of Water Column (ft):	6.41	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.04	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	14:03
Sample Time:	14:12	**Complete Purge Time:**	14:27
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:24
Sample Appearance:	Slight tinge	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	Rust Color
Date Shipped:	9/20/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:50	22.65	8.64	1.21	-69.00	8.80	407.00			
13:53	22.32	8.32	1.61	-95.00	7.72	349.00			
13:56	22.73	8.30	1.89	-133.00	7.30	133.00			
13:59	23.19	8.27	1.99	-153.00	6.69	107.00			
14:02	23.50	8.25	2.08	-157.00	7.62	196.00			
14:05	22.35	8.21	2.26	-166.00	7.48	46.50			
14:08	22.22	8.21	2.30	-173.00	6.99	31.60			
14:11	22.20	8.22	2.30	-177.00	6.46	31.00			

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:**	CIR1701

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.44	**Groundwater Elevation (ft):**	1.21
Depth to Bottom (ft):	12.85	**Bottom Elevation (ft):**	-3.20
Height of Water Column (ft):	4.41	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.72	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	11:21
Sample Time:	12:00	**Complete Purge Time:**	11:36
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:15
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha	**Notes:**	Dark color, then cleared up
Date Shipped:	9/20/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:29	21.60	7.00	0.94	-51.00	7.62	0.00			
11:33	21.23	6.56	0.91	-38.00	1.01	1000.00			
11:36	21.63	6.55	0.90	-40.00	1.05	668.00			
11:39	21.82	6.57	0.92	-41.00	1.68	182.00			
11:42	22.07	6.57	0.93	-42.00	0.68	120.00			
11:45	22.36	6.57	0.92	-42.00	0.61	102.00			
11:48	22.83	6.56	0.92	-43	0.66	103.0			
11:51	23.49	6.54	0.92	-45	1.39	106			
11:54	23.70	6.55	0.92	-47	0.57	100.0			
11:57	24.56	6.54	0.91	-49	0.62	236.0			
12:00	26.24	6.54	0.92	-52	0.61	371.0			

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:**	CIR1701

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.68	**Groundwater Elevation (ft):**	1.21
Depth to Bottom (ft):	13.42	**Bottom Elevation (ft):**	-3.53
Height of Water Column (ft):	4.74	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.77	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	10:46
Sample Time:	11:15	**Complete Purge Time:**	11:07
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:21
Sample Appearance:	Dark	**Odors Observed:**	Odor
Analytical Laboratory:	Alpha	**Notes:**	Duplicate sample collected from this location
Date Shipped:	9/20/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:51	21.91	7.07	1.56	41.00	6.54	0.00			
10:54	20.37	6.72	1.76	-46.00	0.36	945.00			
10:57	20.75	6.70	1.77	-64.00	0.27	354.00			
11:00	21.66	6.71	1.76	-74.00	0.29	146.00			
11:03	22.06	6.70	1.76	-80.00	0.32	74.20			
11:06	22.33	6.70	1.77	-84.00	0.30	49.20			
11:09	22.50	6.71	1.77	-88.00	0.31	33.00			
11:12	22.63	6.71	1.77	-91.00	0.31	30.40			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.70	**Groundwater Elevation (ft):**	1.15
Depth to Bottom (ft):	12.68	**Bottom Elevation (ft):**	-2.83
Height of Water Column (ft):	3.98	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.65	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	10:14
Sample Time:	10:30	**Complete Purge Time:**	10:29
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:**	Sheen at start MS/MSD collected from this location
Date Shipped:	9/20/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:14	21.08	6.89	1.19	-31.00	2.72	767.00			
10:17	20.54	6.94	1.20	-98.00	0.82	265.00			
10:20	20.66	6.97	1.16	-103.00	0.83	62.90			
10:23	20.22	6.99	1.13	-100.00	0.99	31.50			
10:26	20.06	7.00	1.13	-97.00	0.85	12.10			
10:29	20.06	7.00	1.14	-94.00	0.79	7.90			

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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:**	CIR1701

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.32	**Groundwater Elevation (ft):**	-0.83
Depth to Bottom (ft):	4.60	**Bottom Elevation (ft):**	-2.11
Height of Water Column (ft):	1.28	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.05	**Calculated Purge Volume (gal):**	0.16
Sample Date:	9/20/2017	**Begin Purge Time:**	0:00
Sample Time:	13:00	**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:**	Odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well.
Date Shipped:	9/20/2017		
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

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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:**	CIR1701

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	8.99	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.01	**Groundwater Elevation (ft):**	1.24
Depth to Bottom (ft):	9.70	**Bottom Elevation (ft):**	0.55
Height of Water Column (ft):	0.69	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.03	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	NA
Sample Time:	13:30	**Complete Purge Time:**	NA
Purge Method:	NA	**Sample Method:**	Check Valve
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well.
Date Shipped:			
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

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Well Sampling Log

Well Designation:	MW-17	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1701

Relative TOC Elevation (ft):		**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.10	**Groundwater Elevation (ft):**	-9.10
Depth to Bottom (ft):	12.20	**Bottom Elevation (ft):**	-12.20
Height of Water Column (ft):	3.10	**Well Diameter (in):**	4
Standing Water Volume (gal):	0.13	**Calculated Purge Volume (gal):**	NA
Sample Date:	9/20/2017	**Begin Purge Time:**	NA
Sample Time:	15:15	**Complete Purge Time:**	NA
Purge Method:	NA	**Sample Method:**	Low-flow
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/20/2017		
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:54	23.20	6.73	4.85	-102	8.48	0			
14:57	20.61	7.55	2.50	-164	9.77	0			
15:00	21.06	8.97	2.15	-235	8.45	1000			
15:03	21.30	10.62	1.98	-326	8.37	0			
15:06	21.46	10.53	1.86	-319	8.06	0			
15:09	21.86	10.38	1.78	-312	7.66	0			
15:12	21.87	10.28	1.80	-310	7.28	0			
15:15	22.12	10.16	1.81	-308	6.92	0			

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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:**	CIR1701

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	8.76	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	NM	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	NM	**Well Diameter (in):**	1
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NM
Sample Date:	9/20/2017	**Begin Purge Time:**	13:06
Sample Time:	12:22	**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:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	9/20/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:11	23.75	6.83	0.46	-45.00	8.32	273.00			
12:12	21.70	6.52	0.51	-31.00	1.60	110.00			
12:13	21.79	6.49	0.58	-39.00	1.60	92.70			
12:14	21.67	6.44	0.72	-41.00	1.36	19.00			
12:15	21.36	6.45	0.74	-47.00	1.01	15.90			
12:16	21.00	6.45	0.74	-51.00	0.92	20.00			
12:17	20.68	6.46	0.74	-54.00	1.06	17.00			
12:18	20.48	6.45	0.74	-56.00	1.02	18.20			
12:19	20.65	6.45	0.73	-58.00	1.06	18.50			
12:20	20.71	6.45	0.72	-60	1.13	17			

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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:**	CIR1701

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	NM	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	NM	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	NM	**Well Diameter (in):**	1
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	#VALUE!
Sample Date:	9/20/2017	**Begin Purge Time:**	12:03
Sample Time:	12:36	**Complete Purge Time:**	12:08
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:05
Sample Appearance:	Slight tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	Well is bent into the well casing, interface probe can not fit into the well. DTW not taken and DTB not taken.
Date Shipped:	6/1/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:26	21.91	6.77	1.11	-77.00	4.15	110.00			
12:27	21.12	6.81	1.14	-70.00	1.02	33.00			
12:28	21.32	6.66	0.91	-61.00	3.08	36.00			
12:29	21.66	5.87	0.01	-4.00	1.96	319.00			
12:30	22.02	5.93	0.00	-6.00	8.40	314.00			
12:31	22.22	7.03	0.85	-75.00	3.49	39.90			
12:32	22.03	6.68	0.85	-57.00	2.34	46.90			
12:33	22.24	6.70	0.87	-58.00	2.08	42.70			
12:34	22.3	6.66	0.89	-60	1.94	44			
12:35	22.31	6.66	0.89	-61	2.08	46			
12:36	22.31	6.67	0.94	-62	1.93	46			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.22	**Groundwater Elevation (ft):**	0.38
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	5.39	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.88	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	15:20
Sample Time:	15:36	**Complete Purge Time:**	15:35
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	15
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/13/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
15:20	14.62	6.91	6.29	-122.00	5.77	658.00			
15:23	17.86	6.60	6.45	-127.00	2.94	175.00			
15:26	18.55	6.57	6.28	-131.00	2.85	136.00			
15:29	19.05	6.60	5.20	-136.00	2.33	98.20			
15:32	19.15	6.60	5.14	-138.00	2.28	96.10			
15:35	19.43	6.59	5.10	-139.00	2.27	95.30			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.22	**Groundwater Elevation (ft):**	0.51
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.07	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.99	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	15:49
Sample Time:	16:10	**Complete Purge Time:**	16:07
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	21
Sample Appearance:	Slight tinge	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/13/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
15:49	13.04	6.92	2.06	-70.00	4.02	901.00			
15:52	19.67	6.67	2.05	-72.00	0.06	207.00			
15:55	20.07	6.67	2.16	-88.00	0.03	112.00			
15:58	20.19	6.68	2.16	-91.00	0.03	104.00			
16:01	20.29	6.69	2.20	-97.00	0.02	62.00			
16:04	20.19	6.69	2.20	-98.00	0.02	51.00			
16:07	20.19	6.69	2.20	-98.00	0.01	48.00			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.16	**Groundwater Elevation (ft):**	0.49
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	3.95	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.64	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	12:47
Sample Time:	13:15	**Complete Purge Time:**	13:14
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	30
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/13/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:47	9.81	6.97	1.31	-59	2.02	0.00			
12:50	15.55	6.73	0.831	-28	0.35	332.00			
12:53	15.75	6.72	0.832	-28	0.32	308.00			
12:56	16.35	6.69	0.846	-27	0.23	165.00			
12:59	16.23	6.69	0.848	-26	0.23	155.00			
13:02	14.77	6.70	0.859	-25	0.17	150.00			
13:05	14.32	6.68	0.856	-24	0.13	85.20			
13:08	14.35	6.69	0.852	-24	0.14	71.40			
13:11	14.32	6.67	0.854	-24	0.15	65.20			
13:14	14.32	6.69	0.852	-24	0.14	65.20			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.30	**Groundwater Elevation (ft):**	0.59
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.21	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.69	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	12:08
Sample Time:	12:23	**Complete Purge Time:**	12:20
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	12
Sample Appearance:	Clear	**Odors Observed:**	Slight Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/13/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:08	10.97	6.85	1.82	-94.00	3.02	283.00			
12:11	13.23	6.94	1.77	-115.00	0.48	35.40			
12:14	13.45	7.01	1.58	-125.00	0.19	28.30			
12:17	13.51	7.01	1.55	-126.00	0.17	28.40			
12:20	13.96	7.02	1.50	-130.00	0.20	28.50			

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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:**	CIR1701

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.22	**Groundwater Elevation (ft):**	0.63
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.40	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.55	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	11;37
Sample Time:	11:55	**Complete Purge Time:**	11:52
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	15
Sample Appearance:	Yellow tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	MS/MSD
Date Shipped:	12/13/2017		Blind Dupe
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:37	16.52	7.02	1.13	-54	2.62	57.20			
11:40	16.71	7.04	1.15	-57	2.80	32.80			
11:43	16.87	7.04	1.14	-57	1.48	33.40			
11:46	16.87	7.04	1.11	57	0.85	36.40			
11:49	16.86	7.04	1.11	-57	0.83	34.20			
11:52	16.86	7.04	1.11	-57	0.85	35.20			

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:**	CIR1701

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	4.63	**Groundwater Elevation (ft):**	-2.14
Depth to Bottom (ft):	4.63	**Bottom Elevation (ft):**	-2.14
Height of Water Column (ft):	0.00	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.00	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	NA
Sample Time:	14:15	**Complete Purge Time:**	NA
Purge Method:	NA	**Sample Method:**	Bailer
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Slight Petro Odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well.
Date Shipped:			
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

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Well Sampling Log

Well Designation:	MW-17	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1701

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	NP	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.89	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	11.70	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	1.81	**Well Diameter (in):**	4
Standing Water Volume (gal):	0.07	**Calculated Purge Volume (gal):**	NA
Sample Date:	12/13/2017	**Begin Purge Time:**	14:49
Sample Time:	15:07	**Complete Purge Time:**	15:04
Purge Method:	Low-Flolw	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	15
Sample Appearance:	Dark	**Odors Observed:**	Slight Petro Odor
Analytical Laboratory:	Alpha	**Notes:**	Well ran dry after 15:04 reading was collected - waited for the well to recharge and collected sample.
Date Shipped:	12/13/2017		
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:49	12.67	7.85	1.72	-147	1.72	Max			
14:52	14.01	7.88	1.73	-150	0.27	Max			
14:55	14.46	7.89	1.73	-159	0.12	Max			
14:58	14.31	7.87	1.73	-182	0.10	Max			
15:01	16.84	7.72	1.70	-198	0.10	779			
15:04	17.17	7.60	1.69	-227	0.10	Max			

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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:**	CIR1701

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.52	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	9.89	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.41	**Calculated Purge Volume (gal):**	1.22
Sample Date:	12/13/2017	**Begin Purge Time:**	13:40
Sample Time:	13:46	**Complete Purge Time:**	13:45
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	5
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/13/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13;40	13.23	6.43	0.863	-44.00	2.06	125.0			
13:41	17.26	6.39	0.866	-62.00	0.67	69.9			
13:42	13.09	6.41	0.873	-71.00	0.40	73.0			
13:43	13.13	6.42	0.886	-76.00	0.26	79.2			
13:44	17.51	6.41	0.879	-78.00	0.22	76.5			
13:45	18.34	6.42	0.876	-81.00	0.22	79.7			

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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:**	CIR1701

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	NM	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	28.93	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	#VALUE!	**Well Diameter (in):**	1
Standing Water Volume (gal):	#VALUE!	**Calculated Purge Volume (gal):**	NM
Sample Date:	12/13/2017	**Begin Purge Time:**	14:00
Sample Time:	14:06	**Complete Purge Time:**	14:05
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:05
Sample Appearance:	Slight tinge	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	12/13/2017		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:00	13.59	6.73	1.16	-75	0.56	34.3			
14:01	18.08	6.83	1.24	-55	0.24	24.9			
14:02	18.10	6.84	1.31	-59	1.32	22.5			
14:03	18.02	6.84	1.35	-62	1.36	24.1			
14:04	18.08	6.82	1.32	-58	1.34	26.2			
14:05	17.92	6.84	1.32	-61	1.34	26.2			

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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:**	CIR1801

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.64	**Groundwater Elevation (ft):**	0.96
Depth to Bottom (ft):	14.61	**Bottom Elevation (ft):**	-5.01
Height of Water Column (ft):	5.97	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.97	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	14:52
Sample Time:	15:10	**Complete Purge Time:**	15:10
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	18
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:52	13.39	6.33	7.13	-54.70	8.75	5195.80			
14:55	14.73	6.03	7.33	-67.40	0.78	641.43			
14:58	15.34	5.97	7.40	-56.80	0.29	249.30			
15:01	15.47	5.94	7.43	-42.10	0.18	183.32			
15:04	15.61	5.92	7.46	-26.90	0.14	121.32			
15:07	15.56	5.91	7.47	-11.40	0.12	96.11			
15:10	15.68	5.90	7.45	5.30	0.11	80.58			

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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:**	CIR1801

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.60	**Groundwater Elevation (ft):**	1.13
Depth to Bottom (ft):	15.29	**Bottom Elevation (ft):**	-5.56
Height of Water Column (ft):	6.69	**Well Diameter (in):**	2
Standing Water Volume (gal):	1.09	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	15:15
Sample Time:	15:30	**Complete Purge Time:**	15:25
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	10
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
15:15	13.82	6.63	2.04	10.90	4.42	901.00			
15:18	15.41	6.64	3.10	10.90	1.09	207.00			
15:21	15.99	6.62	3.23	8.60	0.21	112.00			
15:22	16.00	6.62	3.23	8.80	0.17	104.00			
15:23	16.11	6.62	3.22	8.80	0.14	62.00			
15:25	16.21	6.62	3.22	8.20	0.09	51.00			
15:25	16.27	6.62	3.22	8.90	0.07	48.00			

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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:**	CIR1801

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.52	**Groundwater Elevation (ft):**	1.13
Depth to Bottom (ft):	13.11	**Bottom Elevation (ft):**	-3.46
Height of Water Column (ft):	4.59	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.75	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	12:40
Sample Time:	13:00	**Complete Purge Time:**	12:57
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	18
Sample Appearance:	Clear	**Odors Observed:**	Slight odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:40	11.61	7.37	1.014	-42.6	3.72	588.54			
12:43	11.77	7.36	1.020	-42.6	3.33	630.97			
12:46	13.05	7.28	1.180	-45.8	1.04	10.02			
12:49	13.36	7.30	1.200	-51.3	0.87	4.23			
12:51	13.52	7.32	1.210	-47.3	0.86	2.86			
12:54	12.89	7.34	1.210	-46.6	0.84	2.36			
12:57	12.88	7.35	1.210	-45.3	0.83	2.37			

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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:**	CIR1801

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.70	**Groundwater Elevation (ft):**	1.19
Depth to Bottom (ft):	13.51	**Bottom Elevation (ft):**	-3.62
Height of Water Column (ft):	4.81	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.78	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	12:08
Sample Time:	12:30	**Complete Purge Time:**	12:30
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	22
Sample Appearance:	Clear	**Odors Observed:**	Slight Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:08	9.18	7.11	1.91	-91.60	3.30	41.86			
12:09	10.81	7.05	2.06	-123.30	1.29	93.66			
12:12	12.64	7.05	5.05	-150.20	0.25	47.21			
12:15	13.12	7.02	1.96	-148.70	0.15	12.47			
12:18	13.46	7.03	1.92	-143.40	0.14	5.26			
12:21	13.53	7.03	1.88	-138.40	0.13	4.03			
12:27	13.58	7.04	1.86	-133.60	0.12	3.36			
12:27	13.66	7.05	1.86	-125.50	0.10	3.23			
12:30	13.89	7.05	1.83	-119.50	0.09	2.66			

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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:**	CIR1801

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.66	**Groundwater Elevation (ft):**	1.19
Depth to Bottom (ft):	12.62	**Bottom Elevation (ft):**	-2.77
Height of Water Column (ft):	3.96	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.65	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	11:47
Sample Time:	11:55	**Complete Purge Time:**	11:54
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	8
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	MS/MSD
Date Shipped:	3/14/2018		Blind Dupe
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:47	13.11	7.33	9.65	81.7	0.40	1.35			
11:48	13.13	7.33	9.68	81.9	0.40	1.28			
11:49	13.18	7.33	9.73	81.8	0.39	1.31			
11:50	13.23	7.33	9.63	81.1	0.44	1.26			
11:51	13.27	7.33	9.68	81.1	0.44	1.28			
11:52	13.25	7.33	9.66	80.8	0.41	1.20			
11:53	13.21	7.33	9.70	81.10	0.40	1.19			
11:54	13.25	7.33	9.73	80.70	0.36	1.24			

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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:**	CIR1801

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	3.4	**Groundwater Elevation (ft):**	-0.91
Depth to Bottom (ft):	4.63	**Bottom Elevation (ft):**	-2.14
Height of Water Column (ft):	1.23	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.05	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	NA
Sample Time:	12:45	**Complete Purge Time:**	NA
Purge Method:	NA	**Sample Method:**	Check Valve
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Slight Petro Odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well.
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

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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:**	CIR1801

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9	**Groundwater Elevation (ft):**	-6.51
Depth to Bottom (ft):	9.45	**Bottom Elevation (ft):**	-6.96
Height of Water Column (ft):	0.45	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.02	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	NA
Sample Time:	12:45	**Complete Purge Time:**	NA
Purge Method:	NA	**Sample Method:**	Check Valve
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Slight Petro Odor
Analytical Laboratory:	Alpha	**Notes:**	Well was not purged due to small volume of water in the well.
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

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Well Sampling Log

Well Designation:	MW-17	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR1801

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	NP	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.20	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	11.70	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	2.50	**Well Diameter (in):**	4
Standing Water Volume (gal):	0.10	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/14/2018	**Begin Purge Time:**	13:56
Sample Time:	14:20	**Complete Purge Time:**	14:20
Purge Method:	Low-Flolw	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	24
Sample Appearance:	Dark	**Odors Observed:**	Slight petro odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOCs			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:56	11.91	7.00	1.58	-27.4	8.76	1668.40			
13:59	12.65	7.67	1.77	-114.2	0.88	985.18			
14:02	12.93	7.76	1.81	-225.6	0.36	1615.10			
14:05	13.49	7.72	1.87	-272.9	0.12	1402.10			
14:08	14.09	7.64	1.92	-294	0.10	950.65			
14:11	14.23	7.58	1.96	-304	0.11	560.38			
14:14	14.23	7.57	1.97	-312	0.09	422.83			
14:17	14.23	7.54	1.99	-310	0.13	349.97			
14:20	14.32	7.51	2.02	-324	0.04	198.36			

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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:**	CIR1801

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	8.73	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	19.41	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	10.68	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.44	**Calculated Purge Volume (gal):**	1.31
Sample Date:	3/14/2018	**Begin Purge Time:**	13:15
Sample Time:	13:20	**Complete Purge Time:**	13:20
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	5
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:15	10.27	7.35	0.685	-53.00	10.50	208.9			
13:16	11.62	7.21	0.676	-57.60	7.71	219.5			
13:17	13.04	6.98	0.779	-62.00	6.69	270.6			
13:18	14.31	6.24	1.396	-100.30	2.65	193.7			
13:19	14.81	6.12	1.508	-100.00	2.49	150.8			
13:20	14.80	6.07	1.493	-99.40	2.08	121.7			

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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:**	CIR1801

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	NM	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	28.93	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	NA	**Well Diameter (in):**	1
Standing Water Volume (gal):	NA	**Calculated Purge Volume (gal):**	NM
Sample Date:	3/14/2018	**Begin Purge Time:**	13:25
Sample Time:	13:30	**Complete Purge Time:**	13:30
Purge Method:	Check Valve	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	0:05
Sample Appearance:	Clear	**Odors Observed:**	No Odor
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/14/2018		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:25	11.67	6.56	0.349	-49.3	9.5	40.38			
13:26	13.15	6.80	0.174	-47	8.82	10.61			
13:27	14.98	7.02	0.140	-45	8.48	10.59			
13:28	15.75	7.17	0.141	-49.8	8.21	6.1			
13:29	15.84	7.27	0.143	-49.2	7.78	13.92			
13:30	15.61	7.32	0.142	-45.4	7.72	4.03			

APPENDIX D

ANALYTICAL REPORT

Lab Number:	L1718024
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:	06/08/17

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: L1718024
Report Date: 06/08/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1718024-01	MW-15	WATER	Not Specified	06/01/17 10:20	06/01/17
L1718024-02	MW-14	WATER	Not Specified	06/01/17 10:30	06/01/17
L1718024-03	MW-13	WATER	Not Specified	06/01/17 11:00	06/01/17
L1718024-04	MW-12	WATER	Not Specified	06/01/17 11:45	06/01/17
L1718024-05	MLW 15-20	WATER	Not Specified	06/01/17 12:00	06/01/17
L1718024-06	MLW 35-40	WATER	Not Specified	06/01/17 12:15	06/01/17
L1718024-07	MW-16	WATER	Not Specified	06/01/17 14:00	06/01/17
L1718024-08	MW-11	WATER	Not Specified	06/01/17 13:30	06/01/17
L1718024-09	MW-10	WATER	Not Specified	06/01/17 13:50	06/01/17
L1718024-10	DUPE	WATER	Not Specified	06/01/17 00:00	06/01/17
L1718024-11	TRIP BLANK	WATER	Not Specified	06/01/17 00:00	06/01/17

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

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:**	L1718024
Project Number:	CIR1601	**Report Date:**	06/08/17

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

At the client's request, the analysis listed on the chain of custody was performed on all samples.

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

L1718024-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG1010858-6/-7 MS/MSD recoveries, performed on L1718024-02, 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: Melissa Cripps

Title: Technical Director/Representative Date: 06/08/17

ORGANICS

VOLATILES

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-01 D
Client ID: MW-15
Sample Location: Not Specified

Date Collected: 06/01/17 10:20
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 14:57
Analyst: PK

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	2.4		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	ND		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	ND		ug/l	5.0	1.4	2
Trichloroethene	2.5		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-01 D Date Collected: 06/01/17 10:20

Client ID: MW-15 Date Received: 06/01/17

Sample Location: Not Specified 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	6.1		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	6.1		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	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	ND		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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-01 D
Client ID: MW-15
Sample Location: Not Specified

Date Collected: 06/01/17 10:20
Date Received: 06/01/17
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	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	ND		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	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-02 D
Client ID: MW-14
Sample Location: Not Specified

Date Collected: 06/01/17 10:30
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 15:31
Analyst: PK

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	200		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	250		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	7.0	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	99		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-02 D Date Collected: 06/01/17 10:30

Client ID: MW-14 Date Received: 06/01/17

Sample Location: Not Specified 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	1800		ug/l	50	14.	20
1,2-Dichloroethene, Total	1800		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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-02 D
Client ID: MW-14
Sample Location: Not Specified

Date Collected: 06/01/17 10:30
Date Received: 06/01/17
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	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	ND		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	91		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-03
Client ID: MW-13
Sample Location: Not Specified

Date Collected: 06/01/17 11:00
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 13:50
Analyst: PK

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	17		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	0.59		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	61		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	3.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-03 Date Collected: 06/01/17 11:00

Client ID: MW-13 Date Received: 06/01/17

Sample Location: Not Specified 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	1.8	J	ug/l	2.5	0.70	1
Xylenes, Total	1.8	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	26		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	28	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	1.2	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	1.3	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: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-03 Date Collected: 06/01/17 11:00

Client ID: MW-13 Date Received: 06/01/17

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.6	J	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	2.9		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	92		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	94		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-04
Client ID: MW-12
Sample Location: Not Specified

Date Collected: 06/01/17 11:45
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 14:24
Analyst: PK

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	26		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	1.3		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	3.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-04 Date Collected: 06/01/17 11:45

Client ID: MW-12 Date Received: 06/01/17

Sample Location: Not Specified 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	20		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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-04 Date Collected: 06/01/17 11:45

Client ID: MW-12 Date Received: 06/01/17

Sample Location: Not Specified 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	109		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	91		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-05
Client ID: MLW 15-20
Sample Location: Not Specified

Date Collected: 06/01/17 12:00
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 15:15
Analyst: PK

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	40		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	1.3	J	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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-05 Date Collected: 06/01/17 12:00

Client ID: MLW 15-20 Date Received: 06/01/17

Sample Location: Not Specified 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	11		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	12	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	1.7	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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-05 Date Collected: 06/01/17 12:00

Client ID: MLW 15-20 Date Received: 06/01/17

Sample Location: Not Specified 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	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	90		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-06
Client ID: MLW 35-40
Sample Location: Not Specified

Date Collected: 06/01/17 12:15
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 15:48
Analyst: PK

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	0.33	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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-06 Date Collected: 06/01/17 12:15

Client ID: MLW 35-40 Date Received: 06/01/17

Sample Location: Not Specified 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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-06 Date Collected: 06/01/17 12:15

Client ID: MLW 35-40 Date Received: 06/01/17

Sample Location: Not Specified 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	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	91		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-07
Client ID: MW-16
Sample Location: Not Specified

Date Collected: 06/01/17 14:00
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/07/17 16:22
Analyst: PK

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	1.2	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	2.5		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	ND		ug/l	2.5	0.70	1
Trichloroethene	1.4		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-07 Date Collected: 06/01/17 14:00

Client ID: MW-16 Date Received: 06/01/17

Sample Location: Not Specified 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	1.8	J	ug/l	2.5	0.70	1
Xylenes, Total	1.8	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.0	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	25		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	15		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	2.5		ug/l	2.5	0.70	1
sec-Butylbenzene	2.4	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	0.78	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	1.2	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: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-07 Date Collected: 06/01/17 14:00

Client ID: MW-16 Date Received: 06/01/17

Sample Location: Not Specified 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	11		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	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-08
Client ID: MW-11
Sample Location: Not Specified

Date Collected: 06/01/17 13:30
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/17 03:04
Analyst: NL

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	1.2	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	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	0.17	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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-08 Date Collected: 06/01/17 13:30

Client ID: MW-11 Date Received: 06/01/17

Sample Location: Not Specified 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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-08 Date Collected: 06/01/17 13:30

Client ID: MW-11 Date Received: 06/01/17

Sample Location: Not Specified 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	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-09
Client ID: MW-10
Sample Location: Not Specified

Date Collected: 06/01/17 13:50
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/17 03:32
Analyst: NL

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	4.9		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	1.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-09 Date Collected: 06/01/17 13:50

Client ID: MW-10 Date Received: 06/01/17

Sample Location: Not Specified 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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-09 Date Collected: 06/01/17 13:50

Client ID: MW-10 Date Received: 06/01/17

Sample Location: Not Specified 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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	111		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-10
Client ID: DUPE
Sample Location: Not Specified

Date Collected: 06/01/17 00:00
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/17 04:00
Analyst: NL

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	18		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	0.53		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.4	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	59		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	3.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-10 Date Collected: 06/01/17 00:00

Client ID: DUPE Date Received: 06/01/17

Sample Location: Not Specified 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	1.7	J	ug/l	2.5	0.70	1
Xylenes, Total	1.7	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	26		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	28	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	1.2	J	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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-10 Date Collected: 06/01/17 00:00

Client ID: DUPE Date Received: 06/01/17

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.5	J	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	2.4		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	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-11
Client ID: TRIP BLANK
Sample Location: Not Specified

Date Collected: 06/01/17 00:00
Date Received: 06/01/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/17 04:28
Analyst: NL

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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-11 Date Collected: 06/01/17 00:00

Client ID: TRIP BLANK Date Received: 06/01/17

Sample Location: Not Specified 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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

SAMPLE RESULTS

Lab ID: L1718024-11 Date Collected: 06/01/17 00:00

Client ID: TRIP BLANK Date Received: 06/01/17

Sample Location: Not Specified 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	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 07:07
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1010858-5					
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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 07:07
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1010858-5					
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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 07:07
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1010858-5					
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	88		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	89		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 07:57
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1010869-5					
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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 07:57
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1010869-5					
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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 07:57
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1010869-5					
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	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: CIR1601 **Lab Number:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 21:26
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1011018-5					
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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 21:26
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1011018-5					
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:** L1718024

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/07/17 21:26
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1011018-5					
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	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1010858-3 WG1010858-4								
Methylene chloride	110		130		70-130	17		20
1,1-Dichloroethane	96		120		70-130	**22**	Q	20
Chloroform	93		100		70-130	7		20
Carbon tetrachloride	77		85		63-132	10		20
1,2-Dichloropropane	99		110		70-130	11		20
Dibromochloromethane	91		99		63-130	8		20
1,1,2-Trichloroethane	110		120		70-130	9		20
Tetrachloroethene	96		110		70-130	14		20
Chlorobenzene	95		100		75-130	5		20
Trichlorofluoromethane	84		100		62-150	17		20
1,2-Dichloroethane	88		100		70-130	13		20
1,1,1-Trichloroethane	85		97		67-130	13		20
Bromodichloromethane	90		99		67-130	10		20
trans-1,3-Dichloropropene	100		120		70-130	18		20
cis-1,3-Dichloropropene	98		110		70-130	12		20
1,1-Dichloropropene	93		110		70-130	17		20
Bromoform	84		100		54-136	17		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		110		70-130	10		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	73		86		64-130	16		20
Bromomethane	97		120		39-139	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1010858-3 WG1010858-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	100		120		61-145	18		20
trans-1,2-Dichloroethene	100		120		70-130	18		20
Trichloroethene	91		100		70-130	9		20
1,2-Dichlorobenzene	93		100		70-130	7		20
1,3-Dichlorobenzene	92		100		70-130	8		20
1,4-Dichlorobenzene	95		96		70-130	1		20
Methyl tert butyl ether	110		120		63-130	9		20
p/m-Xylene	100		110		70-130	10		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	95		100		70-130	5		20
1,2,3-Trichloropropane	100		120		64-130	18		20
Acrylonitrile	100		120		70-130	18		20
Styrene	105		115		70-130	9		20
Dichlorodifluoromethane	74		86		36-147	15		20
Acetone	100		110		58-148	10		20
Carbon disulfide	96		110		51-130	14		20
2-Butanone	90		100		63-138	11		20
Vinyl acetate	84		95		70-130	12		20
4-Methyl-2-pentanone	120		120		59-130	0		20
2-Hexanone	89		90		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1010858-3 WG1010858-4								
Bromochloromethane	84		96		70-130	13		20
2,2-Dichloropropane	93		110		63-133	17		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	110		130		70-130	17		20
1,1,1,2-Tetrachloroethane	92		98		64-130	6		20
Bromobenzene	89		100		70-130	12		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	96		93		70-130	3		20
tert-Butylbenzene	89		89		70-130	0		20
o-Chlorotoluene	99		110		70-130	11		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	100		120		41-144	18		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	89		97		70-130	9		20
p-Isopropyltoluene	94		93		70-130	1		20
Naphthalene	82		100		70-130	20		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	89		110		70-130	**21**	Q	20
1,2,4-Trichlorobenzene	95		100		70-130	5		20
1,3,5-Trimethylbenzene	96		100		64-130	4		20
1,2,4-Trimethylbenzene	95		100		70-130	5		20
1,4-Dioxane	114		126		56-162	10		20
p-Diethylbenzene	95		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1010858-3 WG1010858-4								
p-Ethyltoluene	96		100		70-130	4		20
1,2,4,5-Tetramethylbenzene	95		100		70-130	5		20
Ethyl ether	**140**	Q	**140**	Q	59-134	0		20
trans-1,4-Dichloro-2-butene	99		110		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		102		70-130
Toluene-d8	105		108		70-130
4-Bromofluorobenzene	105		107		70-130
Dibromofluoromethane	92		90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1010869-3 WG1010869-4								
Methylene chloride	97		110		70-130	13		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	95		110		63-130	15		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	98		110		70-130	12		20
cis-1,3-Dichloropropene	110		120		70-130	9		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	92		110		54-136	18		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	98		100		70-130	2		20
Chloromethane	94		91		64-130	3		20
Bromomethane	96		94		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601

Project Number: CIR1601

Lab Number: L1718024

Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1010869-3 WG1010869-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	96		95		55-138	1		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	93		97		70-130	4		20
1,4-Dichlorobenzene	97		100		70-130	3		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	95		105		70-130	10		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	100		99		64-130	1		20
Acrylonitrile	110		120		70-130	9		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	99		100		36-147	1		20
Acetone	120		110		58-148	9		20
Carbon disulfide	78		89		51-130	13		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	91		110		57-130	19		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1010869-3 WG1010869-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	95		100		70-130	5		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	96		110		64-130	14		20
Bromobenzene	93		100		70-130	7		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	96		100		70-130	4		20
p-Chlorotoluene	94		100		70-130	6		20
1,2-Dibromo-3-chloropropane	81		98		41-144	19		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	110		120		70-130	9		20
Naphthalene	96		110		70-130	14		20
n-Propylbenzene	97		110		69-130	13		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20
1,2,4-Trichlorobenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	93		96		64-130	3		20
1,2,4-Trimethylbenzene	94		100		70-130	6		20
1,4-Dioxane	136		150		56-162	10		20
p-Diethylbenzene	120		120		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1010869-3 WG1010869-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	120		120		70-130	0		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		97		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	96		104		70-130
Dibromofluoromethane	105		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1011018-3 WG1011018-4								
Methylene chloride	83		98		70-130	17		20
1,1-Dichloroethane	98		110		70-130	12		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	96		110		70-130	14		20
Dibromochloromethane	99		110		63-130	11		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	96		100		70-130	4		20
Chlorobenzene	98		110		75-130	12		20
Trichlorofluoromethane	98		110		62-150	12		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	99		110		67-130	11		20
Bromodichloromethane	98		110		67-130	12		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	98		110		70-130	12		20
1,1-Dichloropropene	97		100		70-130	3		20
Bromoform	100		110		54-136	10		20
1,1,2,2-Tetrachloroethane	95		100		67-130	5		20
Benzene	99		110		70-130	11		20
Toluene	96		110		70-130	14		20
Ethylbenzene	97		110		70-130	13		20
Chloromethane	110		120		64-130	9		20
Bromomethane	120		130		39-139	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1011018-3 WG1011018-4								
Vinyl chloride	99		110		55-140	11		20
Chloroethane	100		120		55-138	18		20
1,1-Dichloroethene	89		100		61-145	12		20
trans-1,2-Dichloroethene	96		110		70-130	14		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	98		110		70-130	12		20
1,3-Dichlorobenzene	98		110		70-130	12		20
1,4-Dichlorobenzene	99		99		70-130	0		20
Methyl tert butyl ether	98		110		63-130	12		20
p/m-Xylene	100		110		70-130	10		20
o-Xylene	105		115		70-130	9		20
cis-1,2-Dichloroethene	99		110		70-130	11		20
Dibromomethane	98		110		70-130	12		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	100		120		70-130	18		20
Styrene	105		115		70-130	9		20
Dichlorodifluoromethane	100		110		36-147	10		20
Acetone	100		130		58-148	**26**	Q	20
Carbon disulfide	81		96		51-130	17		20
2-Butanone	120		130		63-138	8		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	94		110		59-130	16		20
2-Hexanone	97		110		57-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1011018-3 WG1011018-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	96		100		70-130	4		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	92		98		53-136	6		20
sec-Butylbenzene	94		100		70-130	6		20
tert-Butylbenzene	98		100		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	96		100		70-130	4		20
1,2-Dibromo-3-chloropropane	98		89		41-144	10		20
Hexachlorobutadiene	96		98		63-130	2		20
Isopropylbenzene	96		100		70-130	4		20
p-Isopropyltoluene	94		100		70-130	6		20
Naphthalene	83		90		70-130	8		20
n-Propylbenzene	94		100		69-130	6		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	96		100		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	96		100		70-130	4		20
1,4-Dioxane	112		122		56-162	9		20
p-Diethylbenzene	94		100		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1011018-3 WG1011018-4								
p-Ethyltoluene	96		100		70-130	4		20
1,2,4,5-Tetramethylbenzene	88		93		70-130	6		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	103		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

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): 01-04 QC Batch ID: WG1010858-6 WG1010858-7 QC Sample: L1718024-02 Client ID: MW-14												
Methylene chloride	ND	200	230	115		220	110		70-130	4		20
1,1-Dichloroethane	ND	200	210	105		220	110		70-130	5		20
Chloroform	ND	200	200	100		200	100		70-130	0		20
Carbon tetrachloride	ND	200	160	80		150	75		63-132	6		20
1,2-Dichloropropane	ND	200	200	100		220	110		70-130	10		20
Dibromochloromethane	ND	200	190	95		180	90		63-130	5		20
1,1,2-Trichloroethane	ND	200	220	110		220	110		70-130	0		20
Tetrachloroethene	200	200	370	85		360	80		70-130	3		20
Chlorobenzene	ND	200	190	95		200	100		75-130	5		20
Trichlorofluoromethane	ND	200	180	90		190	95		62-150	5		20
1,2-Dichloroethane	ND	200	180	90		180	90		70-130	0		20
1,1,1-Trichloroethane	ND	200	180	90		180	90		67-130	0		20
Bromodichloromethane	ND	200	180	90		180	90		67-130	0		20
trans-1,3-Dichloropropene	ND	200	220	110		230	115		70-130	4		20
cis-1,3-Dichloropropene	ND	200	200	100		210	105		70-130	5		20
1,1-Dichloropropene	ND	200	210	105		210	105		70-130	0		20
Bromoform	ND	200	180	90		180	90		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	200	230	115		230	115		67-130	0		20
Benzene	ND	200	210	105		210	105		70-130	0		20
Toluene	ND	200	210	105		220	110		70-130	5		20
Ethylbenzene	ND	200	210	105		220	110		70-130	5		20
Chloromethane	ND	200	180	90		170	85		64-130	6		20
Bromomethane	ND	200	100	50		130	65		39-139	**26**	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

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): 01-04 QC Batch ID: WG1010858-6 WG1010858-7 QC Sample: L1718024-02 Client ID: MW-14												
Vinyl chloride	250	200	420	85		410	80		55-140	2		20
Chloroethane	ND	200	270	135		280	**140**	Q	55-138	4		20
1,1-Dichloroethene	7.0J	200	240	120		230	115		61-145	4		20
trans-1,2-Dichloroethene	ND	200	220	110		230	115		70-130	4		20
Trichloroethene	99	200	280	90		270	86		70-130	4		20
1,2-Dichlorobenzene	ND	200	180	90		180	90		70-130	0		20
1,3-Dichlorobenzene	ND	200	190	95		180	90		70-130	5		20
1,4-Dichlorobenzene	ND	200	180	90		180	90		70-130	0		20
Methyl tert butyl ether	ND	200	220	110		220	110		63-130	0		20
p/m-Xylene	ND	400	410	103		410	103		70-130	0		20
o-Xylene	ND	400	400	100		400	100		70-130	0		20
cis-1,2-Dichloroethene	1800	200	1800	**0**	Q	1800	**0**	Q	70-130	0		20
Dibromomethane	ND	200	190	95		210	105		70-130	10		20
1,2,3-Trichloropropane	ND	200	200	100		220	110		64-130	10		20
Acrylonitrile	ND	200	200	100		240	120		70-130	18		20
Styrene	ND	400	400	100		410	103		70-130	2		20
Dichlorodifluoromethane	ND	200	160	80		160	80		36-147	0		20
Acetone	ND	200	180	90		200	100		58-148	11		20
Carbon disulfide	ND	200	260	130		260	130		51-130	0		20
2-Butanone	ND	200	180	90		180	90		63-138	0		20
Vinyl acetate	ND	200	180	90		180	90		70-130	0		20
4-Methyl-2-pentanone	ND	200	240	120		260	130		59-130	8		20
2-Hexanone	ND	200	180	90		180	90		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601
Lab Number: L1718024
Report Date: 06/08/17

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): 01-04 QC Batch ID: WG1010858-6 WG1010858-7 QC Sample: L1718024-02 Client ID: MW-14												
Bromochloromethane	ND	200	180	90		180	90		70-130	0		20
2,2-Dichloropropane	ND	200	180	90		170	85		63-133	6		20
1,2-Dibromoethane	ND	200	200	100		210	105		70-130	5		20
1,3-Dichloropropane	ND	200	230	115		240	120		70-130	4		20
1,1,1,2-Tetrachloroethane	ND	200	180	90		180	90		64-130	0		20
Bromobenzene	ND	200	180	90		180	90		70-130	0		20
n-Butylbenzene	ND	200	230	115		170	85		53-136	**30**	Q	20
sec-Butylbenzene	ND	200	180	90		170	85		70-130	6		20
tert-Butylbenzene	ND	200	180	90		160	80		70-130	12		20
o-Chlorotoluene	ND	200	200	100		190	95		70-130	5		20
p-Chlorotoluene	ND	200	200	100		200	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	200	200	100		220	110		41-144	10		20
Hexachlorobutadiene	ND	200	210	105		190	95		63-130	10		20
Isopropylbenzene	ND	200	190	95		180	90		70-130	5		20
p-Isopropyltoluene	ND	200	180	90		170	85		70-130	6		20
Naphthalene	ND	200	210	105		220	110		70-130	5		20
n-Propylbenzene	ND	200	200	100		190	95		69-130	5		20
1,2,3-Trichlorobenzene	ND	200	210	105		220	110		70-130	5		20
1,2,4-Trichlorobenzene	ND	200	200	100		190	95		70-130	5		20
1,3,5-Trimethylbenzene	ND	200	190	95		180	90		64-130	5		20
1,2,4-Trimethylbenzene	ND	200	190	95		180	90		70-130	5		20
1,4-Dioxane	ND	10000	9500	95		12000	120		56-162	**23**	Q	20
p-Diethylbenzene	ND	200	190	95		170	85		70-130	11		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601
Lab Number: L1718024
Report Date: 06/08/17

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): 01-04 QC Batch ID: WG1010858-6 WG1010858-7 QC Sample: L1718024-02 Client ID: MW-14												
p-Ethyltoluene	ND	200	190	95		180	90		70-130	5		20
1,2,4,5-Tetramethylbenzene	ND	200	190	95		190	95		70-130	0		20
Ethyl ether	ND	200	270	**135**	Q	250	125		59-134	8		20
trans-1,4-Dichloro-2-butene	ND	200	270	**135**	Q	270	**135**	Q	70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
4-Bromofluorobenzene	110		109		70-130
Dibromofluoromethane	92		90		70-130
Toluene-d8	109		109		70-130

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1718024-01A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-01B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-01C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02A1	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02A2	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02B1	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02B2	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02C1	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-02C2	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-03A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-03B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-03C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-04A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-04B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-04C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-05A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-05B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-05C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-06A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-06B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718024
Report Date: 06/08/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1718024-06C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-07A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-07B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-07C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-08A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-08B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-08C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-09A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-09B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-09C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-10A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-10B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-10C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-11A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718024-11C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CIR1601	**Lab Number:**	L1718024
Project Number:	CIR1601	**Report Date:**	06/08/17

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1601	**Lab Number:**	L1718024
Project Number:	CIR1601	**Report Date:**	06/08/17

Data Qualifiers

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).

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:**	L1718024
Project Number:	CIR1601	**Report Date:**	06/08/17

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: 508-822-9288

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: 6/1/17

ALPHA Job #: L1718024

Client Information

Client: AdTek
Address: 630 Johnson Ave Ste 7 Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: JenniferL@pwgroup.com

Project Information

Project Name: CIK/GDC
Project Location:
Project #
(Use Project name as Project #) [X]
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time

Standard [X] 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

[X] 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 (8260)

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

Total Bottle

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
1718024-01	MW-15	6/1	10:20	GW	NK
2	MW-14 /MS MSD		10:30	GW	NK
3	MW-13		11:00	GW	NK
4	MW-12		11:45	GW	NK
5	MW15-20		12:00	GW	NK
6	MW35-40		12:15	GW	NK
7	MW-16		14:00	GW	NK
8	MW-11		13:30	GW	NK
9	MW-17		13:50	GW	NK
10	DUPE			GW	NK

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
	6/1 1500		6/1/17 1500
		Angel	6/1/17 1710
Angel	6/1 1710		6/1/17 2200

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:	L1718104
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:	06/08/17

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: L1718104
Report Date: 06/08/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1718104-01	INF	SOIL_VAPOR	CONEY ISLAND	06/01/17 13:07	06/01/17
L1718104-02	EFF	SOIL_VAPOR	CONEY ISLAND	06/01/17 13:11	06/01/17

Project Name: CIR1601 **Lab Number:** L1718104
Project Number: CIR1601 **Report Date:** 06/08/17

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:**	L1718104
Project Number:	CIR1601	**Report Date:**	06/08/17

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 1, 2017. The canister certification results are provided as an addendum.

L1718104-01: 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: 06/08/17

AIR

Project Name: CIR1601 ***Lab Number:*** L1718104

Project Number: CIR1601 ***Report Date:*** 06/08/17

SAMPLE RESULTS

Lab ID: L1718104-01 D
Client ID: INF
Sample Location: CONEY ISLAND
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/07/17 23:52
Analyst: MB

Date Collected: 06/01/17 13:07
Date Received: 06/01/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	2.60	0.400	--	5.37	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	0.786	0.400	--	2.01	1.02	--		2
1,3-Butadiene	0.438	0.400	--	0.969	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	15.3	0.400	--	40.4	1.06	--		2
Ethanol	87.0	10.0	--	164	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	541	2.00	--	1290	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	33.3	1.00	--	81.9	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	34.6	1.00	--	105	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	1.14	0.400	--	4.61	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	69.9	1.00	--	206	2.95	--		2
cis-1,2-Dichloroethene	8.01	0.400	--	31.8	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

SAMPLE RESULTS

Lab ID: L1718104-01 D
Client ID: INF
Sample Location: CONEY ISLAND

Date Collected: 06/01/17 13:07
Date Received: 06/01/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.07	0.400	--	5.23	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	0.822	0.400	--	2.90	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	4.72	0.400	--	25.4	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	4.18	0.400	--	17.1	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	5.97	0.400	--	24.5	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	92.0	0.400	--	624	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:*** L1718104

Project Number: CIR1601 ***Report Date:*** 06/08/17

SAMPLE RESULTS

Lab ID: L1718104-01 D Date Collected: 06/01/17 13:07

Client ID: INF Date Received: 06/01/17

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	0.400	--	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	82		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	81		60-140

Project Name: CIR1601 ***Lab Number:*** L1718104

Project Number: CIR1601 ***Report Date:*** 06/08/17

SAMPLE RESULTS

Lab ID: L1718104-02
Client ID: EFF
Sample Location: CONEY ISLAND
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/08/17 00:26
Analyst: MB

Date Collected: 06/01/17 13:11
Date Received: 06/01/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.476	0.200	--	2.35	0.989	--		1
Chloromethane	0.262	0.200	--	0.541	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	23.0	5.00	--	43.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	239	1.00	--	568	2.38	--		1
Trichlorofluoromethane	0.401	0.200	--	2.25	1.12	--		1
Isopropanol	23.1	0.500	--	56.8	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	37.5	0.500	--	114	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	0.331	0.200	--	1.31	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	41.5	0.500	--	122	1.47	--		1
cis-1,2-Dichloroethene	22.4	0.200	--	88.8	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: CIR1601 ***Lab Number:*** L1718104

Project Number: CIR1601 ***Report Date:*** 06/08/17

SAMPLE RESULTS

Lab ID: L1718104-02 Date Collected: 06/01/17 13:11

Client ID: EFF Date Received: 06/01/17

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	0.840	0.200	--	4.10	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	0.655	0.200	--	2.09	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.886	0.200	--	3.05	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	1.58	0.200	--	5.95	0.754	--		1
2-Hexanone	10.6	0.200	--	43.4	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:*** L1718104

Project Number: CIR1601 ***Report Date:*** 06/08/17

SAMPLE RESULTS

Lab ID: L1718104-02 Date Collected: 06/01/17 13:11

Client ID: EFF Date Received: 06/01/17

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	84		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	82		60-140

Project Name: CIR1601 **Lab Number:** L1718104

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/07/17 15:17

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: WG1010822-4								
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: CIR1601 **Lab Number:** L1718104

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/07/17 15:17

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: WG1010822-4								
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: CIR1601 **Lab Number:** L1718104

Project Number: CIR1601 **Report Date:** 06/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/07/17 15:17

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: WG1010822-4								
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

	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: L1718104
Report Date: 06/08/17

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: WG1010822-3								
Chlorodifluoromethane	77		-		70-130	-		
Propylene	98		-		70-130	-		
Propane	74		-		70-130	-		
Dichlorodifluoromethane	75		-		70-130	-		
Chloromethane	88		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	92		-		70-130	-		
Methanol	96		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Butane	89		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	93		-		70-130	-		
Ethyl Alcohol	95		-		70-130	-		
Dichlorofluoromethane	84		-		70-130	-		
Vinyl bromide	87		-		70-130	-		
Acrolein	83		-		70-130	-		
Acetone	108		-		70-130	-		
Acetonitrile	89		-		70-130	-		
Trichlorofluoromethane	92		-		70-130	-		
iso-Propyl Alcohol	100		-		70-130	-		
Acrylonitrile	82		-		70-130	-		
Pentane	82		-		70-130	-		
Ethyl ether	82		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

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: WG1010822-3								
1,1-Dichloroethene	89		-		70-130	-		
tert-Butyl Alcohol	81		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	80		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		-		70-130	-		
trans-1,2-Dichloroethene	84		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	83		-		70-130	-		
2-Butanone	85		-		70-130	-		
cis-1,2-Dichloroethene	88		-		70-130	-		
Ethyl Acetate	91		-		70-130	-		
Chloroform	87		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	77		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	95		-		70-130	-		
Isopropyl Ether	84		-		70-130	-		
Ethyl-Tert-Butyl-Ether	81		-		70-130	-		
1,1,1-Trichloroethane	92		-		70-130	-		
1,1-Dichloropropene	89		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

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: WG1010822-3								
Cyclohexane	94		-		70-130	-		
Tertiary-Amyl Methyl Ether	81		-		70-130	-		
Dibromomethane	83		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	93		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Methyl Methacrylate	99		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	97		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	96		-		70-130	-		
Toluene	88		-		70-130	-		
1,3-Dichloropropane	82		-		70-130	-		
2-Hexanone	89		-		70-130	-		
Dibromochloromethane	90		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		
Butyl Acetate	75		-		70-130	-		
Octane	79		-		70-130	-		
Tetrachloroethene	83		-		70-130	-		
1,1,1,2-Tetrachloroethane	81		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

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: WG1010822-3								
Chlorobenzene	88		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	87		-		70-130	-		
Styrene	90		-		70-130	-		
1,1,2,2-Tetrachloroethane	90		-		70-130	-		
o-Xylene	92		-		70-130	-		
1,2,3-Trichloropropane	82		-		70-130	-		
Nonane (C9)	85		-		70-130	-		
Isopropylbenzene	85		-		70-130	-		
Bromobenzene	83		-		70-130	-		
o-Chlorotoluene	80		-		70-130	-		
n-Propylbenzene	83		-		70-130	-		
p-Chlorotoluene	82		-		70-130	-		
4-Ethyltoluene	87		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
tert-Butylbenzene	88		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	87		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
sec-Butylbenzene	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

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: WG1010822-3								
p-Isopropyltoluene	80		-		70-130	-		
1,2-Dichlorobenzene	88		-		70-130	-		
n-Butylbenzene	91		-		70-130	-		
1,2-Dibromo-3-chloropropane	83		-		70-130	-		
Undecane	96		-		70-130	-		
Dodecane (C12)	107		-		70-130	-		
1,2,4-Trichlorobenzene	94		-		70-130	-		
Naphthalene	87		-		70-130	-		
1,2,3-Trichlorobenzene	86		-		70-130	-		
Hexachlorobutadiene	86		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1010822-5 QC Sample: L1718113-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.315	0.400	ppbV	24		25
Chloromethane	0.676	0.665	ppbV	2		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	234	240	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	34.8	36.0	ppbV	3		25
Trichlorofluoromethane	0.258	0.247	ppbV	4		25
iso-Propyl Alcohol	16.6	16.4	ppbV	1		25
tert-Butyl Alcohol	0.647	0.651	ppbV	1		25
Methylene chloride	0.587	0.578	ppbV	2		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
2-Butanone	4.07	4.33	ppbV	6		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1010822-5 QC Sample: L1718113-02 Client ID: DUP Sample						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.288	0.312	ppbV	8		25
Benzene	0.418	0.453	ppbV	8		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	0.478	0.515	ppbV	7		25
Heptane	0.330	0.380	ppbV	14		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	63.8	66.1	ppbV	4		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	7.11	7.45	ppbV	5		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1010822-5 QC Sample: L1718113-02 Client ID: DUP Sample						
p/m-Xylene	32.3	33.7	ppbV	4		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.761	0.789	ppbV	4		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	11.5	11.9	ppbV	3		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.357	0.390	ppbV	9		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: CIR1601 **Lab Number:** L1718104

Project Number: CIR1601 **Report Date:** 06/08/17

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
L1718104-01	INF	259	2.7L Can	06/01/17	242865	L1717592-01	Pass	-29.8	-2.1	-	-	-	-
L1718104-02	EFF	2203	2.7L Can	06/01/17	242865	L1717592-01	Pass	-29.8	-0.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1717592
Report Date: 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/30/17 13:56
Analyst: MB

Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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: L1717592
Report Date: 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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: L1717592
Report Date: 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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
Project Number: CANISTER QC BAT
Lab Number: L1717592
Report Date: 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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: L1717592
Report Date: 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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	103		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1717592

Project Number: CANISTER QC BAT **Report Date:** 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/30/17 13:56
Analyst: MB

Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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: L1717592
Report Date: 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01
Client ID: CAN 2203 SHELF 1
Sample Location:
Date Collected: 05/26/17 16:00
Date Received: 05/30/17
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 **Lab Number:** L1717592

Project Number: CANISTER QC BAT **Report Date:** 06/08/17

Air Canister Certification Results

Lab ID: L1717592-01 Date Collected: 05/26/17 16:00

Client ID: CAN 2203 SHELF 1 Date Received: 05/30/17

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								
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	95		60-140
chlorobenzene-d5	96		60-140

Project Name: CIR1601
Project Number: CIR1601

Lab Number: L1718104
Report Date: 06/08/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1718104-01A	Canister - 2.7 Liter	N/A	N/A	N/A		Y	Absent		TO15-LL(30)
L1718104-02A	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:**	L1718104
Project Number:	CIR1601	**Report Date:**	06/08/17

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: Data Usability Report

Project Name:	CIR1601	**Lab Number:**	L1718104
Project Number:	CIR1601	**Report Date:**	06/08/17

Data Qualifiers

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).

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:**	L1718104
Project Number:	CIR1601	**Report Date:**	06/08/17

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

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE _____ OF _____

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

Date Rec'd in Lab: 6/2/17

ALPHA Job #: L1718104

Client Information

Client: PWGC
Address: 630 Johnson ave.
Phone: 631-589-6353
Fax:
Email: JenniferL@pwgroup.ca
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ~~CIR 170~~
Project Location: CIR 1601
Project #:
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: ☐

ANALYSIS

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)
6104-01	Inf	6/01	1306	1307	-29.8	-2	Inf	NR		259	NA	X					
-02	Eff	6/01	1310	1311	-29.8	-2	Eff	NR		2203	NA	X					

*SAMPLE MATRIX CODES

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
	6/1 1560		6/1/17 1500
	6-2-17 0245		6-2-17 2130
			6/2/17 02:45

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: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L1733661
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1701
Project Number:	CIR1701
Report Date:	09/28/17

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: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1733661-01	MW-14	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 10:30	09/21/17
L1733661-02	MW-13	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 11:15	09/21/17
L1733661-03	MW-12	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 12:00	09/21/17
L1733661-04	MLW 15-20	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 12:22	09/21/17
L1733661-05	MLW 35-40	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 12:36	09/21/17
L1733661-06	MW-15	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 13:00	09/21/17
L1733661-07	MW-16	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 13:30	09/21/17
L1733661-08	MW-11	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 14:12	09/21/17
L1733661-09	MW-10	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 14:45	09/21/17
L1733661-10	MW-17	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 15:15	09/21/17
L1733661-11	PRODUCT	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 11:30	09/21/17
L1733661-12	DUPE	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/20/17 00:00	09/21/17

Project Name:	CIR1701	**Lab Number:**	L1733661
Project Number:	CIR1701	**Report Date:**	09/28/17

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:	CIR1701	**Lab Number:**	L1733661
Project Number:	CIR1701	**Report Date:**	09/28/17

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

L1733661-07: The collection time was obtained from the container labels.

L1733661-11: The sample was received in inappropriately preserved containers for the TPH Fingerprint analysis; therefore, the requested analysis was canceled.

Volatile Organics

L1733661-07: The sample has elevated detection limits due to the dilution required by the sample matrix (very oily).

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/28/17

ORGANICS

VOLATILES

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-01 D
Client ID: MW-14
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 10:30
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 15:57
Analyst: AD

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	28		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	200		ug/l	2.0	0.14	2
Chloroethane	2.4	J	ug/l	5.0	1.4	2
1,1-Dichloroethene	2.1		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	6.0		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-01 D Date Collected: 09/20/17 10:30

Client ID: MW-14 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	210		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	210		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	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	ND		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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-01 D Date Collected: 09/20/17 10:30

Client ID: MW-14 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	ND		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	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-02
Client ID: MW-13
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 11:15
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 14:14
Analyst: AD

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	1.4		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	1.3		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.4	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	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	0.64		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-02 Date Collected: 09/20/17 11:15

Client ID: MW-13 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	2.7		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.7		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	1.9	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	1.7	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	2.0	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-02 Date Collected: 09/20/17 11:15

Client ID: MW-13 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	5.9		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	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	105		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-03
Client ID: MW-12
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 12:00
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 14:48
Analyst: AD

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	3.6		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	0.83	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	0.44	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-03 Date Collected: 09/20/17 12:00

Client ID: MW-12 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	1.7	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.7	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	3.9	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	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-03 Date Collected: 09/20/17 12:00

Client ID: MW-12 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-04
Client ID: MLW 15-20
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 12:22
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 15:23
Analyst: AD

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	7.9		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	1.2	J	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-04 Date Collected: 09/20/17 12:22

Client ID: MLW 15-20 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	1.9	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	3.1	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-04 Date Collected: 09/20/17 12:22

Client ID: MLW 15-20 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	3.9		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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-05
Client ID: MLW 35-40
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 12:36
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 16:31
Analyst: AD

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	0.56		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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-05 Date Collected: 09/20/17 12:36

Client ID: MLW 35-40 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-05 Date Collected: 09/20/17 12:36

Client ID: MLW 35-40 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-06
Client ID: MW-15
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 13:00
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 17:05
Analyst: AD

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	1.7		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	1.4	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-06 Date Collected: 09/20/17 13:00

Client ID: MW-15 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	14		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	15	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	2.9	J	ug/l	5.0	1.5	1
Carbon disulfide	2.8	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-06 Date Collected: 09/20/17 13:00

Client ID: MW-15 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-07 D
Client ID: MW-16
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 13:30
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 17:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	1.3	J	ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-07 D Date Collected: 09/20/17 13:30

Client ID: MW-16 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	43		ug/l	25	7.3	5
Carbon disulfide	6.0	J	ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-07 D Date Collected: 09/20/17 13:30

Client ID: MW-16 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	14		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-08
Client ID: MW-11
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 14:12
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 18:14
Analyst: AD

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	0.22	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-08 Date Collected: 09/20/17 14:12

Client ID: MW-11 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	4.4	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-08 Date Collected: 09/20/17 14:12

Client ID: MW-11 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-09
Client ID: MW-10
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 14:45
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 18:48
Analyst: AD

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	0.21	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	0.26	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-09 Date Collected: 09/20/17 14:45

Client ID: MW-10 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN Field Prep: Not Specified

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

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-09 Date Collected: 09/20/17 14:45

Client ID: MW-10 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-10
Client ID: MW-17
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 15:15
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 19:22
Analyst: AD

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	0.75	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	12		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	0.34	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	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	4.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-10 Date Collected: 09/20/17 15:15

Client ID: MW-17 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	2.0	J	ug/l	2.5	0.70	1
Xylenes, Total	2.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.0		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	8.0		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	20		ug/l	5.0	1.5	1
Carbon disulfide	1.1	J	ug/l	5.0	1.0	1
2-Butanone	3.0	J	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	3.4		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	0.75	J	ug/l	2.5	0.70	1

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-10 Date Collected: 09/20/17 15:15

Client ID: MW-17 Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.6		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	4.2		ug/l	2.0	0.70	1
p-Ethyltoluene	1.3	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	2.5		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	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-12
Client ID: DUPE
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/20/17 00:00
Date Received: 09/21/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/27/17 19:55
Analyst: AD

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	1.3		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	1.3		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.4	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	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	0.58		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-12 Date Collected: 09/20/17 00:00

Client ID: DUPE Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	2.3	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.3	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	1.9	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	2.2	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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

SAMPLE RESULTS

Lab ID: L1733661-12 Date Collected: 09/20/17 00:00

Client ID: DUPE Date Received: 09/21/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	6.6		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	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/17 12:31
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10,12 Batch: WG1046297-5					
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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/17 12:31
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10,12 Batch: WG1046297-5					
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: CIR1701 **Lab Number:** L1733661

Project Number: CIR1701 **Report Date:** 09/28/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/17 12:31
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10,12 Batch: WG1046297-5					
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	96		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10,12 Batch: WG1046297-3 WG1046297-4								
Methylene chloride	95		83		70-130	13		20
1,1-Dichloroethane	90		80		70-130	12		20
Chloroform	97		86		70-130	12		20
Carbon tetrachloride	98		86		63-132	13		20
1,2-Dichloropropane	91		80		70-130	13		20
Dibromochloromethane	94		83		63-130	12		20
1,1,2-Trichloroethane	99		91		70-130	8		20
Tetrachloroethene	110		96		70-130	14		20
Chlorobenzene	100		89		75-130	12		20
Trichlorofluoromethane	100		93		62-150	7		20
1,2-Dichloroethane	92		84		70-130	9		20
1,1,1-Trichloroethane	98		87		67-130	12		20
Bromodichloromethane	97		86		67-130	12		20
trans-1,3-Dichloropropene	88		78		70-130	12		20
cis-1,3-Dichloropropene	86		76		70-130	12		20
1,1-Dichloropropene	91		81		70-130	12		20
Bromoform	95		84		54-136	12		20
1,1,2,2-Tetrachloroethane	97		89		67-130	9		20
Benzene	95		84		70-130	12		20
Toluene	98		86		70-130	13		20
Ethylbenzene	100		89		70-130	12		20
Chloromethane	69		**57**	Q	64-130	19		20
Bromomethane	120		97		39-139	**21**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1701

Project Number: CIR1701

Lab Number: L1733661

Report Date: 09/28/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10,12 Batch: WG1046297-3 WG1046297-4								
Vinyl chloride	94		84		55-140	11		20
Chloroethane	110		97		55-138	13		20
1,1-Dichloroethene	92		80		61-145	14		20
trans-1,2-Dichloroethene	94		84		70-130	11		20
Trichloroethene	94		82		70-130	14		20
1,2-Dichlorobenzene	100		92		70-130	8		20
1,3-Dichlorobenzene	100		91		70-130	9		20
1,4-Dichlorobenzene	100		91		70-130	9		20
Methyl tert butyl ether	100		93		63-130	7		20
p/m-Xylene	105		95		70-130	10		20
o-Xylene	105		90		70-130	15		20
cis-1,2-Dichloroethene	99		88		70-130	12		20
Dibromomethane	98		88		70-130	11		20
1,2,3-Trichloropropane	88		83		64-130	6		20
Acrylonitrile	86		80		70-130	7		20
Styrene	110		95		70-130	15		20
Dichlorodifluoromethane	74		68		36-147	8		20
Acetone	99		87		58-148	13		20
Carbon disulfide	64		54		51-130	17		20
2-Butanone	90		83		63-138	8		20
Vinyl acetate	89		79		70-130	12		20
4-Methyl-2-pentanone	86		77		59-130	11		20
2-Hexanone	80		74		57-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1701

Project Number: CIR1701

Lab Number: L1733661

Report Date: 09/28/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10,12 Batch: WG1046297-3 WG1046297-4								
Bromochloromethane	100		94		70-130	6		20
2,2-Dichloropropane	**140**	Q	120		63-133	15		20
1,2-Dibromoethane	100		93		70-130	7		20
1,3-Dichloropropane	94		85		70-130	10		20
1,1,1,2-Tetrachloroethane	110		97		64-130	13		20
Bromobenzene	100		95		70-130	5		20
n-Butylbenzene	94		80		53-136	16		20
sec-Butylbenzene	96		84		70-130	13		20
tert-Butylbenzene	96		86		70-130	11		20
o-Chlorotoluene	92		84		70-130	9		20
p-Chlorotoluene	91		84		70-130	8		20
1,2-Dibromo-3-chloropropane	93		83		41-144	11		20
Hexachlorobutadiene	100		91		63-130	9		20
Isopropylbenzene	95		86		70-130	10		20
p-Isopropyltoluene	98		85		70-130	14		20
Naphthalene	97		90		70-130	7		20
n-Propylbenzene	95		86		69-130	10		20
1,2,3-Trichlorobenzene	120		110		70-130	9		20
1,2,4-Trichlorobenzene	100		90		70-130	11		20
1,3,5-Trimethylbenzene	97		87		64-130	11		20
1,2,4-Trimethylbenzene	97		87		70-130	11		20
1,4-Dioxane	112		98		56-162	13		20
p-Diethylbenzene	90		80		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10,12 Batch: WG1046297-3 WG1046297-4								
p-Ethyltoluene	94		84		70-130	11		20
1,2,4,5-Tetramethylbenzene	97		83		70-130	16		20
Ethyl ether	110		86		59-134	**24**	Q	20
trans-1,4-Dichloro-2-butene	77		70		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	86		90		70-130
Dibromofluoromethane	107		105		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1701
Project Number: CIR1701
Lab Number: L1733661
Report Date: 09/28/17

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): 01-10,12 QC Batch ID: WG1046297-6 WG1046297-7 QC Sample: L1733661-01 Client ID: MW-14												
Methylene chloride	ND	20	19	95		20	100		70-130	5		20
1,1-Dichloroethane	ND	20	19	95		19	95		70-130	0		20
Chloroform	ND	20	20	100		20	100		70-130	0		20
Carbon tetrachloride	ND	20	19	95		20	100		63-132	5		20
1,2-Dichloropropane	ND	20	20	100		19	95		70-130	5		20
Dibromochloromethane	ND	20	18	90		18	90		63-130	0		20
1,1,2-Trichloroethane	ND	20	21	105		20	100		70-130	5		20
Tetrachloroethene	28	20	48	100		52	120		70-130	8		20
Chlorobenzene	ND	20	21	105		20	100		75-130	5		20
Trichlorofluoromethane	ND	20	24	120		24	120		62-150	0		20
1,2-Dichloroethane	ND	20	20	100		19	95		70-130	5		20
1,1,1-Trichloroethane	ND	20	21	105		21	105		67-130	0		20
Bromodichloromethane	ND	20	20	100		20	100		67-130	0		20
trans-1,3-Dichloropropene	ND	20	17	85		17	85		70-130	0		20
cis-1,3-Dichloropropene	ND	20	18	90		17	85		70-130	6		20
1,1-Dichloropropene	ND	20	20	100		20	100		70-130	0		20
Bromoform	ND	20	18	90		18	90		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	20	21	105		20	100		67-130	5		20
Benzene	ND	20	20	100		20	100		70-130	0		20
Toluene	ND	20	21	105		20	100		70-130	5		20
Ethylbenzene	ND	20	21	105		20	100		70-130	5		20
Chloromethane	ND	20	9.9	**50**	Q	13	65		64-130	**27**	Q	20
Bromomethane	ND	20	12	60		14	70		39-139	15		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

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): 01-10,12 QC Batch ID: WG1046297-6 WG1046297-7 QC Sample: L1733661-01 Client ID: MW-14												
Vinyl chloride	200	20	250	**250**	Q	230	**150**	Q	55-140	8		20
Chloroethane	2.4J	20	24	120		26	130		55-138	8		20
1,1-Dichloroethene	2.1	20	25	115		24	110		61-145	4		20
trans-1,2-Dichloroethene	ND	20	21	105		21	105		70-130	0		20
Trichloroethene	6.0	20	27	105		27	105		70-130	0		20
1,2-Dichlorobenzene	ND	20	21	105		21	105		70-130	0		20
1,3-Dichlorobenzene	ND	20	21	105		20	100		70-130	5		20
1,4-Dichlorobenzene	ND	20	21	105		20	100		70-130	5		20
Methyl tert butyl ether	ND	20	23	115		23	115		63-130	0		20
p/m-Xylene	ND	40	44	110		43	108		70-130	2		20
o-Xylene	ND	40	43	108		42	105		70-130	2		20
cis-1,2-Dichloroethene	210	20	260	**250**	Q	250	**200**	Q	70-130	4		20
Dibromomethane	ND	20	21	105		21	105		70-130	0		20
1,2,3-Trichloropropane	ND	20	19	95		18	90		64-130	5		20
Acrylonitrile	ND	20	17	85		18	90		70-130	6		20
Styrene	ND	40	42	105		42	105		70-130	0		20
Dichlorodifluoromethane	ND	20	17	85		18	90		36-147	6		20
Acetone	ND	20	23	115		19	95		58-148	19		20
Carbon disulfide	ND	20	17	85		16	80		51-130	6		20
2-Butanone	ND	20	19	95		19	95		63-138	0		20
Vinyl acetate	ND	20	21	105		21	105		70-130	0		20
4-Methyl-2-pentanone	ND	20	20	100		18	90		59-130	11		20
2-Hexanone	ND	20	19	95		18	90		57-130	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1701
Project Number: CIR1701
Lab Number: L1733661
Report Date: 09/28/17

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): 01-10,12 QC Batch ID: WG1046297-6 WG1046297-7 QC Sample: L1733661-01 Client ID: MW-14												
Bromochloromethane	ND	20	22	110		22	110		70-130	0		20
2,2-Dichloropropane	ND	20	28	**140**	Q	29	**145**	Q	63-133	4		20
1,2-Dibromoethane	ND	20	22	110		22	110		70-130	0		20
1,3-Dichloropropane	ND	20	20	100		19	95		70-130	5		20
1,1,1,2-Tetrachloroethane	ND	20	22	110		21	105		64-130	5		20
Bromobenzene	ND	20	21	105		21	105		70-130	0		20
n-Butylbenzene	ND	20	20	100		19	95		53-136	5		20
sec-Butylbenzene	ND	20	22	110		21	105		70-130	5		20
tert-Butylbenzene	ND	20	21	105		20	100		70-130	5		20
o-Chlorotoluene	ND	20	19	95		19	95		70-130	0		20
p-Chlorotoluene	ND	20	19	95		18	90		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	20	21	105		21	105		41-144	0		20
Hexachlorobutadiene	ND	20	21	105		21	105		63-130	0		20
Isopropylbenzene	ND	20	21	105		20	100		70-130	5		20
p-Isopropyltoluene	ND	20	20	100		20	100		70-130	0		20
Naphthalene	ND	20	25	125		24	120		70-130	4		20
n-Propylbenzene	ND	20	20	100		19	95		69-130	5		20
1,2,3-Trichlorobenzene	ND	20	28	**140**	Q	27	**135**	Q	70-130	4		20
1,2,4-Trichlorobenzene	ND	20	23	115		22	110		70-130	4		20
1,3,5-Trimethylbenzene	ND	20	20	100		20	100		64-130	0		20
1,2,4-Trimethylbenzene	ND	20	20	100		19	95		70-130	5		20
1,4-Dioxane	ND	1000	1200	120		1100	110		56-162	9		20
p-Diethylbenzene	ND	20	21	105		20	100		70-130	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

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): 01-10,12 QC Batch ID: WG1046297-6 WG1046297-7 QC Sample: L1733661-01 Client ID: MW-14												
p-Ethyltoluene	ND	20	20	100		19	95		70-130	5		20
1,2,4,5-Tetramethylbenzene	ND	20	20	100		19	95		70-130	5		20
Ethyl ether	ND	20	22	110		22	110		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	20	10	**50**	Q	10	**50**	Q	70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		98		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	103		107		70-130
Toluene-d8	97		96		70-130

Project Name: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1733661-01A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01A1	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01A2	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01B1	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01B2	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01C1	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-01C2	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-02A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-02B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-02C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-03A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-03B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-03C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-04A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-04B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-04C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-05A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-05B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-05C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-06A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-06B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CIR1701
Project Number: CIR1701

Lab Number: L1733661
Report Date: 09/28/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1733661-06C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-07A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-07B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-07C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-08A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-08B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-08C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-09A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-09B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-09C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-10A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-10B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-10C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-11A	Vial HCl preserved	A	N/A	N/A	5.5	N	Absent		HOLD-PHI()
L1733661-11B	Vial HCl preserved	A	N/A	N/A	5.5	N	Absent		HOLD-PHI()
L1733661-11C	Vial HCl preserved	A	N/A	N/A	5.5	N	Absent		HOLD-PHI()
L1733661-12A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-12B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L1733661-12C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CIR1701	**Lab Number:**	L1733661
Project Number:	CIR1701	**Report Date:**	09/28/17

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	CIR1701	**Lab Number:**	L1733661
Project Number:	CIR1701	**Report Date:**	09/28/17

Data Qualifiers

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).

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:	CIR1701	**Lab Number:**	L1733661
Project Number:	CIR1701	**Report Date:**	09/28/17

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 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 3

Date Rec'd in Lab: 9/21/17

ALPHA Job #: L1733661

Client Information
Client: PWGC
Address: 630 Johnson ave. Ste 7
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: JenniferLew@pwgroup.com

Project Information
Project Name: CIR1701
Project Location: 3140 Coney Island ave. Brooklyn
Project #
(Use Project name as Project #) [X]
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

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.

Deliverables
[ ] NJ Full / Reduced
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] SRS Residential/Non Residential
[ ] SRS Impact to Groundwater
[ ] NJ Ground Water Quality Standards
[ ] NJ IGW SPLP Leachate Criteria
[ ] Other

Billing Information
[X] Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes [ ]
Petroleum Product:

ANALYSIS
VOCs (8260) Part 375 list

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 (8260)	Sample Specific Comments
33661 - 01	MW-14/MS/MSD	9/20/2017	10:30	GW	NR	✓	
02	MW-13	9/20/2017	11:15	GW	NR	✓	
03	MW-12	9/20/2017	12:00	GW	NR	✓	
04	MW 15-20	9/20/2017	12:22	GW	NR	✓	
05	MW 35-40	9/20/2017	12:36	GW	NR	✓	
06	MW-15	9/20/2017	13:00	GW	NR	✓	
07	MW-16	9/20/2017		GW	NR	✓	
08	MW-11	9/20/2017	14:12	GW	NR	✓	
09	MW-10	9/20/2017	14:35	GW	NR	✓	
10	MW-17	9/20/2017	15:15	GW	NR	✓	

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
	9/20 (Rec)	AAL	9/21/17 9:05
AAL	9/21/17 15:50	AAL	9/21 1730
AAL	9/21 2220		9/21/17 2220

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)

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 3

Date Rec'd in Lab: 9/21/17

ALPHA Job #: L1733661

Client Information

Client: PWGC
Address: 630 Johnson ave. Ste 7
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: Jennifer L@pinegrossor.com

Project Information

Project Name: CIR1701
Project Location: 3140 Coney Island ave. Brooklyn
Project #
(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

Product Fingerprint

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	Product Fingerprint	Sample Specific Comments
33661-11	Product	9/20/2017	11:30	GW	MA	✓	

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
	9/21 700	AAL	9/21/17 9:15
AAL	9/21/17 1550	AB AAL	9/21 1731
Angel B AAL	9/21 2220		9/21/17 222

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)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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

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

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

Page 3 of 3

Date Rec'd in Lab: 9/21/17

ALPHA Job #: L1733661

Client Information

Client: PWGC
Address: 630 Johnson Ave Ste 1
Bohema, NY 11716
Phone: 631-589-6353
Fax:
Email: Jennifer L@pwgrosser.com

Project Information

Project Name: CIR 1701
Project Location: 3140 Coney Island Ave. Brooklyn
Project #
(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

VOCs (8260)

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
33661-12	Dupe	9/20/2017	XX	GW	NR	

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

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	9/20 1700		9/21/17 9:15
	9/21/17 1530		9/21/17
	9/21 2220		9/21/17 2220

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

ANALYTICAL REPORT

Lab Number:	L1746240
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	FORMER BRIGHTON CLEANERS
Project Number:	CIR1701
Report Date:	12/21/17

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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: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1746240
Report Date: 12/21/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1746240-01	MW-10	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 15:36	12/14/17
L1746240-02	MW-11	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 16:10	12/14/17
L1746240-03	MW-12	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 13:15	12/14/17
L1746240-04	MW-13	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 12:23	12/14/17
L1746240-05	MW-14	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 11:55	12/14/17
L1746240-06	MW-15	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 14:15	12/14/17
L1746240-07	MW-17	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 15:07	12/14/17
L1746240-08	ML15-20	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 13:46	12/14/17
L1746240-09	ML35-40	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 14:06	12/14/17
L1746240-10	DUPE	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 00:00	12/14/17
L1746240-11	TRIP BLANK	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 00:00	12/14/17
L1746240-12	FIELD BLANK	WATER	3140 CONEY ISLAND AVE., BROOKLYN	12/13/17 16:00	12/14/17

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240
Project Number: CIR1701 **Report Date:** 12/21/17

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:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1746240
Project Number:	CIR1701	**Report Date:**	12/21/17

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

L1746240-02 : The container(s) for the TCL Volatiles - EPA 8260C analysis were received broken; however, there was adequate sample remaining to perform the requested analysis.

Volatile Organics

L1746240-06 and -07: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

The WG1074953-6 MS recovery, performed on L1746240-05, is outside the acceptance criteria for cis-1,2-dichloroethene (0%). The unacceptable percent recovery is 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: Cristin Walker

Title: Technical Director/Representative Date: 12/21/17

ORGANICS

VOLATILES

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-01
Client ID: MW-10
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 15:36
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 22:57
Analyst: PD

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	0.19	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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-01 Date Collected: 12/13/17 15:36

Client ID: MW-10 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-01 Date Collected: 12/13/17 15:36

Client ID: MW-10 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-02
Client ID: MW-11
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 16:10
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 23:26
Analyst: PD

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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-02 Date Collected: 12/13/17 16:10

Client ID: MW-11 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-02 Date Collected: 12/13/17 16:10

Client ID: MW-11 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-03
Client ID: MW-12
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 13:15
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 23:54
Analyst: PD

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	2.2		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	0.17	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	0.42	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	1.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-03 Date Collected: 12/13/17 13:15

Client ID: MW-12 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	1.6	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.6	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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-03 Date Collected: 12/13/17 13:15

Client ID: MW-12 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-04
Client ID: MW-13
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 12:23
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 00:22
Analyst: PD

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	0.87		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	0.63		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.8	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	2.2		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	2.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-04 Date Collected: 12/13/17 12:23

Client ID: MW-13 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	8.2		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	8.2		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	0.78	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	1.3	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.73	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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-04 Date Collected: 12/13/17 12:23

Client ID: MW-13 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	1.9	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	115		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-05
Client ID: MW-14
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 11:55
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 00:50
Analyst: PD

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	36		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	67		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.23	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	10		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-05 Date Collected: 12/13/17 11:55

Client ID: MW-14 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	120		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	120		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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-05 Date Collected: 12/13/17 11:55

Client ID: MW-14 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-06 D
Client ID: MW-15
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 14:15
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 02:44
Analyst: PD

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	1.2		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	2.7		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	ND		ug/l	5.0	1.4	2
Trichloroethene	1.4		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-06 D Date Collected: 12/13/17 14:15

Client ID: MW-15 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	11		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	11		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	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	ND		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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-06 D Date Collected: 12/13/17 14:15

Client ID: MW-15 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	ND		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	116		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-07 D
Client ID: MW-17
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 15:07
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 03:12
Analyst: PD

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	11		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	1.6	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	11		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-07 D Date Collected: 12/13/17 15:07

Client ID: MW-17 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-07 D Date Collected: 12/13/17 15:07

Client ID: MW-17 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	116		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-08
Client ID: ML15-20
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 13:46
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 01:19
Analyst: PD

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	30		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	1.8	J	ug/l	2.5	0.70	1
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-08 Date Collected: 12/13/17 13:46

Client ID: ML15-20 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	10		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	12	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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-08 Date Collected: 12/13/17 13:46

Client ID: ML15-20 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	3.8		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	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-09
Client ID: ML35-40
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 14:06
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 01:47
Analyst: PD

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	0.08	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	0.17	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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-09 Date Collected: 12/13/17 14:06

Client ID: ML35-40 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-09 Date Collected: 12/13/17 14:06

Client ID: ML35-40 Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-10
Client ID: DUPE
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 00:00
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/20/17 02:16
Analyst: PD

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	39		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	70		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.24	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	10		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-10 Date Collected: 12/13/17 00:00

Client ID: DUPE Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	120		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	120		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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-10 Date Collected: 12/13/17 00:00

Client ID: DUPE Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-11
Client ID: TRIP BLANK
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 00:00
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 22:00
Analyst: PD

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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-11 Date Collected: 12/13/17 00:00

Client ID: TRIP BLANK Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-11 Date Collected: 12/13/17 00:00

Client ID: TRIP BLANK Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-12
Client ID: FIELD BLANK
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 12/13/17 16:00
Date Received: 12/14/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 22:29
Analyst: PD

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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-12 Date Collected: 12/13/17 16:00

Client ID: FIELD BLANK Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746240-12 Date Collected: 12/13/17 16:00

Client ID: FIELD BLANK Date Received: 12/14/17

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN 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	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/17 21:03
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1074953-5					
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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/17 21:03
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1074953-5					
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: FORMER BRIGHTON CLEANERS **Lab Number:** L1746240

Project Number: CIR1701 **Report Date:** 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/17 21:03
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1074953-5					
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	114		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1746240

Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1074953-3 WG1074953-4								
Methylene chloride	88		88		70-130	0		20
1,1-Dichloroethane	94		92		70-130	2		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	96		96		63-130	0		20
1,1,2-Trichloroethane	92		92		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		95		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	96		97		70-130	1		20
1,1-Dichloropropene	100		98		70-130	2		20
Bromoform	96		99		54-136	3		20
1,1,2,2-Tetrachloroethane	87		87		67-130	0		20
Benzene	94		92		70-130	2		20
Toluene	92		90		70-130	2		20
Ethylbenzene	99		96		70-130	3		20
Chloromethane	64		**61**	Q	64-130	5		20
Bromomethane	72		71		39-139	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1746240

Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1074953-3 WG1074953-4								
Vinyl chloride	75		73		55-140	3		20
Chloroethane	98		96		55-138	2		20
1,1-Dichloroethene	94		92		61-145	2		20
trans-1,2-Dichloroethene	91		89		70-130	2		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	98		95		70-130	3		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	98		99		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	95		92		70-130	3		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	91		91		64-130	0		20
Acrylonitrile	78		83		70-130	6		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	90		89		36-147	1		20
Acetone	74		77		58-148	4		20
Carbon disulfide	82		79		51-130	4		20
2-Butanone	**62**	Q	66		63-138	6		20
Vinyl acetate	**63**	Q	**66**	Q	70-130	5		20
4-Methyl-2-pentanone	84		87		59-130	4		20
2-Hexanone	71		71		57-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1746240
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1074953-3 WG1074953-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	91		92		70-130	1		20
1,1,1,2-Tetrachloroethane	99		99		64-130	0		20
Bromobenzene	98		96		70-130	2		20
n-Butylbenzene	95		90		53-136	5		20
sec-Butylbenzene	95		91		70-130	4		20
tert-Butylbenzene	96		94		70-130	2		20
o-Chlorotoluene	94		91		70-130	3		20
p-Chlorotoluene	92		90		70-130	2		20
1,2-Dibromo-3-chloropropane	86		94		41-144	9		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	95		92		70-130	3		20
p-Isopropyltoluene	99		96		70-130	3		20
Naphthalene	98		100		70-130	2		20
n-Propylbenzene	93		89		69-130	4		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
1,3,5-Trimethylbenzene	97		94		64-130	3		20
1,2,4-Trimethylbenzene	95		93		70-130	2		20
1,4-Dioxane	94		98		56-162	4		20
p-Diethylbenzene	98		94		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1746240
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1074953-3 WG1074953-4								
p-Ethyltoluene	96		93		70-130	3		20
1,2,4,5-Tetramethylbenzene	95		94		70-130	1		20
Ethyl ether	87		88		59-134	1		20
trans-1,4-Dichloro-2-butene	73		73		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		121		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	89		89		70-130
Dibromofluoromethane	106		107		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1746240

Report Date: 12/21/17

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): 01-12 QC Batch ID: WG1074953-6 WG1074953-7 QC Sample: L1746240-05 Client ID: MW-14												
Methylene chloride	ND	10	9.5	95		9.4	94		70-130	1		20
1,1-Dichloroethane	ND	10	10	100		9.8	98		70-130	2		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	110		11	110		70-130	0		20
Tetrachloroethene	36	10	43	70		45	90		70-130	5		20
Chlorobenzene	ND	10	10	100		9.9	99		75-130	1		20
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		10	100		67-130	10		20
trans-1,3-Dichloropropene	ND	10	8.9	89		8.8	88		70-130	1		20
cis-1,3-Dichloropropene	ND	10	9.9	99		9.7	97		70-130	2		20
1,1-Dichloropropene	ND	10	11	110		10	100		70-130	10		20
Bromoform	ND	10	10	100		9.8	98		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	9.5	95		9.1	91		67-130	4		20
Benzene	ND	10	10	100		10	100		70-130	0		20
Toluene	ND	10	9.8	98		9.7	97		70-130	1		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	7.1	71		6.9	69		64-130	3		20
Bromomethane	ND	10	3.3	**33**	Q	4.0	40		39-139	19		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1746240

Report Date: 12/21/17

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): 01-12 QC Batch ID: WG1074953-6 WG1074953-7 QC Sample: L1746240-05 Client ID: MW-14												
Vinyl chloride	67	10	69	**20**	Q	76	90		55-140	10		20
Chloroethane	ND	10	11	110		11	110		55-138	0		20
1,1-Dichloroethene	0.23J	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	10	10	20	100		21	110		70-130	5		20
1,2-Dichlorobenzene	ND	10	9.9	99		9.7	97		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.9	99		9.7	97		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.8	98		9.6	96		70-130	2		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	21	105		20	100		70-130	5		20
o-Xylene	ND	20	22	110		21	105		70-130	5		20
cis-1,2-Dichloroethene	120	10	120	**0**	Q	130	100		70-130	8		20
Dibromomethane	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.6	96		9.4	94		64-130	2		20
Acrylonitrile	ND	10	9.1	91		9.1	91		70-130	0		20
Styrene	ND	20	19	95		20	100		70-130	5		20
Dichlorodifluoromethane	ND	10	9.0	90		8.7	87		36-147	3		20
Acetone	ND	10	9.3	93		8.7	87		58-148	7		20
Carbon disulfide	ND	10	8.8	88		8.9	89		51-130	1		20
2-Butanone	ND	10	7.2	72		7.4	74		63-138	3		20
Vinyl acetate	ND	10	7.8	78		7.6	76		70-130	3		20
4-Methyl-2-pentanone	ND	10	9.6	96		9.2	92		59-130	4		20
2-Hexanone	ND	10	7.8	78		8.3	83		57-130	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1746240

Report Date: 12/21/17

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): 01-12 QC Batch ID: WG1074953-6 WG1074953-7 QC Sample: L1746240-05 Client ID: MW-14												
Bromochloromethane	ND	10	12	120		11	110		70-130	9		20
2,2-Dichloropropane	ND	10	10	100		9.9	99		63-133	1		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,3-Dichloropropane	ND	10	10	100		9.7	97		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20
Bromobenzene	ND	10	10	100		9.9	99		70-130	1		20
n-Butylbenzene	ND	10	9.0	90		8.9	89		53-136	1		20
sec-Butylbenzene	ND	10	9.6	96		9.3	93		70-130	3		20
tert-Butylbenzene	ND	10	9.7	97		9.4	94		70-130	3		20
o-Chlorotoluene	ND	10	9.4	94		9.0	90		70-130	4		20
p-Chlorotoluene	ND	10	9.2	92		9.0	90		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	9.4	94		9.4	94		41-144	0		20
Hexachlorobutadiene	ND	10	8.8	88		9.6	96		63-130	9		20
Isopropylbenzene	ND	10	9.7	97		9.5	95		70-130	2		20
p-Isopropyltoluene	ND	10	9.6	96		9.4	94		70-130	2		20
Naphthalene	ND	10	10	100		11	110		70-130	10		20
n-Propylbenzene	ND	10	9.2	92		8.9	89		69-130	3		20
1,2,3-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	9.7	97		10	100		70-130	3		20
1,3,5-Trimethylbenzene	ND	10	9.4	94		9.4	94		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	9.3	93		9.2	92		70-130	1		20
1,4-Dioxane	ND	500	360	72		450	90		56-162	**22**	Q	20
p-Diethylbenzene	ND	10	9.4	94		9.1	91		70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701
Lab Number: L1746240
Report Date: 12/21/17

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): 01-12 QC Batch ID: WG1074953-6 WG1074953-7 QC Sample: L1746240-05 Client ID: MW-14												
p-Ethyltoluene	ND	10	9.5	95		9.3	93		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	10	9.3	93		9.5	95		70-130	2		20
Ethyl ether	ND	10	9.4	94		9.3	93		59-134	1		20
trans-1,4-Dichloro-2-butene	ND	10	6.5	**65**	Q	6.4	**64**	Q	70-130	2		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		111		70-130
4-Bromofluorobenzene	90		88		70-130
Dibromofluoromethane	105		104		70-130
Toluene-d8	92		92		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1746240
Report Date: 12/21/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1746240-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05A1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05A2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05B1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05B2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05C1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-05C2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1746240
Report Date: 12/21/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1746240-06C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-07A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-07B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-07C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-08A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-08B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-08C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-09A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-09B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-09C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-10A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-10B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-10C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-11A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-11B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-12A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-12B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L1746240-12C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)

Container Comments

L1746240-02C Vial received with contents frozen and glass broken

*Values in parentheses indicate holding time in days

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1746240
Project Number:	CIR1701	**Report Date:**	12/21/17

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1746240
Project Number:	CIR1701	**Report Date:**	12/21/17

Data Qualifiers

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).

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:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1746240
Project Number:	CIR1701	**Report Date:**	12/21/17

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.

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 1 of 3

Date Rec'd in Lab: 12/15/17

ALPHA Job #: L1746240

Client Information
Client: PWGC
Address: 630 Johnson ave. #7
Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: JLewis@pwgrossler.com

Project Information
Project Name: Former Brighton Cleaners
Project Location: Coney Island
Project # CIR1701
(Use Project name as Project #)
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time
Standard [X] 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 [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information
[X] 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:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS VOCs (8260)	Total Bottle
46240-01	MW-1D	12-13	1535	GW	NR	X	
02	MW-11		16:10			X	
03	MW-12		13:15			X	
04	MW-13		12:23			X	
05	MW-14 /MS/MSD		11:55			X	
06 ~~05~~	MW-15		14:15			X	
07	MW-17		15:07			X	
08	ML15-20		13:46			X	
09	ML35-40		14:06			X	
10	DUPE	↓	XX	↓	↓	X	

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

Sample Specific Comments

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
	12/13 1600	Kamilk Jackson, ALL	12/14 1657
	12/14 2051		0300
12/15	0300		12/15/17 0300

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)

ALPHA

NEW YORK CHAIN OF CUSTODY

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

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

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

Page 2 of 2

Date Rec'd in Lab: 12/15/17

ALPHA Job #: L1746240

Client Information
Client: PWGC
Address: 630 Johnson Ave. Ste 7
Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: SLewis@pwgrosser.com

Project Information
Project Name: Former Brighton Cleaners
Project Location: Coney Island
Project # CIR1701
(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 (8260)	Total Bottle	Sample Specific Comments
46240-11	TRIP BLANK	12-13				X		
12	FIELD BLANK	12-13	16:00		NR	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
	12-13 1600		12/14 1657
	12/14 2057		2300
	12/15 0800		12/15/17 0300

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:	L1808694
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	FORMER BRIGHTON CLEANERS
Project Number:	CIR1701
Report Date:	03/21/18

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: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1808694
Report Date: 03/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1808694-01	MW-10	WATER	CONEY ISLAND	03/14/18 15:10	03/14/18
L1808694-02	MW-11	WATER	CONEY ISLAND	03/14/18 15:30	03/14/18
L1808694-03	MW-12	WATER	CONEY ISLAND	03/14/18 13:00	03/14/18
L1808694-04	MW-13	WATER	CONEY ISLAND	03/14/18 12:30	03/14/18
L1808694-05	MW-14	WATER	CONEY ISLAND	03/14/18 11:55	03/14/18
L1808694-06	MW-15	WATER	CONEY ISLAND	03/14/18 12:45	03/14/18
L1808694-07	MW-16	WATER	CONEY ISLAND	03/14/18 14:30	03/14/18
L1808694-08	MW-17	WATER	CONEY ISLAND	03/14/18 14:20	03/14/18
L1808694-09	DUPE	WATER	CONEY ISLAND	03/14/18 00:00	03/14/18
L1808694-10	FIELD BLANK	WATER	CONEY ISLAND	03/14/18 15:15	03/14/18
L1808694-11	TRIP BLANK	WATER	CONEY ISLAND	03/14/18 00:00	03/14/18
L1808694-12	ML-35-40	WATER	CONEY ISLAND	03/14/18 13:30	03/14/18
L1808694-13	ML-15-20	WATER	CONEY ISLAND	03/14/18 13:20	03/14/18

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694
Project Number: CIR1701 **Report Date:** 03/21/18

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:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1808694
Project Number:	CIR1701	**Report Date:**	03/21/18

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: 03/21/18

ORGANICS

VOLATILES

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-01
Client ID: MW-10
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 15:10
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/18 16:34
Analyst: PK

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	2.4		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	0.16	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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-01 Date Collected: 03/14/18 15:10

Client ID: MW-10 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.49	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-01 Date Collected: 03/14/18 15:10

Client ID: MW-10 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-02
Client ID: MW-11
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 15:30
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/18 17:09
Analyst: PK

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	0.38	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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-02 Date Collected: 03/14/18 15:30

Client ID: MW-11 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-02 Date Collected: 03/14/18 15:30

Client ID: MW-11 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-03
Client ID: MW-12
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 13:00
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/18 17:45
Analyst: PK

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	19		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	0.69	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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-03 Date Collected: 03/14/18 13:00

Client ID: MW-12 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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	7.3		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	7.3		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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-03 Date Collected: 03/14/18 13:00

Client ID: MW-12 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-04
Client ID: MW-13
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 12:30
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/18 18:21
Analyst: PK

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	17		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	0.92		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.3	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	25		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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-04 Date Collected: 03/14/18 12:30

Client ID: MW-13 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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	0.74	J	ug/l	2.5	0.70	1
o-Xylene	2.9		ug/l	2.5	0.70	1
Xylenes, Total	3.6	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.1		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	11	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	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.87	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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-04 Date Collected: 03/14/18 12:30

Client ID: MW-13 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.4	J	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	118		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-05 D
Client ID: MW-14
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 11:55
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 10:40
Analyst: PD

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	84		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	99		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.67	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-05 D
Client ID: MW-14
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 11:55
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	21		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
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	250		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	250		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	ND		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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-05 D
Client ID: MW-14
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 11:55
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	ND		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	93		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-06
Client ID: MW-15
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 12:45
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 12:03
Analyst: PD

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	3.4		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	1.1		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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-06 Date Collected: 03/14/18 12:45

Client ID: MW-15 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.92		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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	3.4		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	3.4		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	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-06 Date Collected: 03/14/18 12:45

Client ID: MW-15 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-07
Client ID: MW-16
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 14:30
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 12:31
Analyst: PD

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	0.27	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	4.2		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	0.18	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	0.82	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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-07 Date Collected: 03/14/18 14:30

Client ID: MW-16 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.22	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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	1.5	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.5	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	84		ug/l	5.0	1.5	1
Carbon disulfide	20		ug/l	5.0	1.0	1
2-Butanone	64		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	1.0	J	ug/l	5.0	1.0	1
2-Hexanone	3.5	J	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	0.71	J	ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-07 Date Collected: 03/14/18 14:30

Client ID: MW-16 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	1.1	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	106		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-08
Client ID: MW-17
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 14:20
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 12:58
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.4	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.3		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	0.23	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	1.5		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	ND		ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-08 Date Collected: 03/14/18 14:20

Client ID: MW-17 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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	1.0	J	ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-08 Date Collected: 03/14/18 14:20

Client ID: MW-17 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	3.6		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	92		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-09 D
Client ID: DUPE
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 00:00
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 13:26
Analyst: PK

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	87		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	93		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.73	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-09 D
Client ID: DUPE
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 00:00
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	22		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
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	260		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	260		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	ND		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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-09 D
Client ID: DUPE
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 00:00
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	ND		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	91		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-10
Client ID: FIELD BLANK
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 15:15
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 09:44
Analyst: PD

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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-10 Date Collected: 03/14/18 15:15

Client ID: FIELD BLANK Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-10 Date Collected: 03/14/18 15:15

Client ID: FIELD BLANK Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	92		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	93		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-11
Client ID: TRIP BLANK
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 00:00
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 10:12
Analyst: PD

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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-11 Date Collected: 03/14/18 00:00

Client ID: TRIP BLANK Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-11 Date Collected: 03/14/18 00:00

Client ID: TRIP BLANK Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-12
Client ID: ML-35-40
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 13:30
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 14:21
Analyst: PK

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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-12 Date Collected: 03/14/18 13:30

Client ID: ML-35-40 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-12 Date Collected: 03/14/18 13:30

Client ID: ML-35-40 Date Received: 03/14/18

Sample Location: CONEY ISLAND Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	104		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-13 D
Client ID: ML-15-20
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 13:20
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/18 13:54
Analyst: PK

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	0.46	J	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	100		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.56	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	3.7	J	ug/l	6.2	1.8	2.5

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-13 D
Client ID: ML-15-20
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 13:20
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.79	J	ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
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	280		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	280	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	24		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

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808694-13 D
Client ID: ML-15-20
Sample Location: CONEY ISLAND

Date Collected: 03/14/18 13:20
Date Received: 03/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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	2.2	J	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	91		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 11:50
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1098544-5					
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: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 11:50
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1098544-5					
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: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 11:50
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1098544-5					
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	112		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/18 09:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-13 Batch: WG1098889-5					
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: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/18 09:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-13 Batch: WG1098889-5					
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: FORMER BRIGHTON CLEANERS **Lab Number:** L1808694

Project Number: CIR1701 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/18 09:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-13 Batch: WG1098889-5					
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	92		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1808694
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1098544-3 WG1098544-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	110		120		70-130	9		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		120		70-130	9		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	92		98		54-136	6		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	99		100		70-130	1		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	46		46		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1098544-3 WG1098544-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	98		99		55-138	1		20
1,1-Dichloroethene	94		93		61-145	1		20
trans-1,2-Dichloroethene	95		97		70-130	2		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	97		100		63-130	3		20
p/m-Xylene	120		120		70-130	0		20
o-Xylene	115		120		70-130	4		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	95		100		64-130	5		20
Acrylonitrile	120		**140**	Q	70-130	15		20
Styrene	120		120		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	140		140		58-148	0		20
Carbon disulfide	84		86		51-130	2		20
2-Butanone	**140**	Q	**160**	Q	63-138	13		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	110		120		59-130	9		20
2-Hexanone	120		120		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1098544-3 WG1098544-4								
Bromochloromethane	120		120		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	120		120		70-130	0		20
tert-Butylbenzene	120		120		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	96		99		41-144	3		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	110		120		70-130	9		20
p-Isopropyltoluene	120		120		70-130	0		20
Naphthalene	130		**140**	Q	70-130	7		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	**150**	Q	**160**	Q	70-130	6		20
1,2,4-Trichlorobenzene	120		120		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	134		134		56-162	0		20
p-Diethylbenzene	120		120		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1098544-3 WG1098544-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	95		100		59-134	5		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	92		91		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-13 Batch: WG1098889-3 WG1098889-4								
Methylene chloride	120		110		70-130	9		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	99		98		70-130	1		20
Carbon tetrachloride	92		88		63-132	4		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		96		62-150	4		20
1,2-Dichloroethane	98		97		70-130	1		20
1,1,1-Trichloroethane	96		95		67-130	1		20
Bromodichloromethane	96		94		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		96		70-130	3		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	93		92		54-136	1		20
1,1,2,2-Tetrachloroethane	120		110		67-130	9		20
Benzene	100		98		70-130	2		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-13 Batch: WG1098889-3 WG1098889-4								
Vinyl chloride	130		120		55-140	8		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	93		91		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		99		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	96		93		70-130	3		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	120		120		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	93		95		58-148	2		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	96		95		63-138	1		20
Vinyl acetate	92		90		70-130	2		20
4-Methyl-2-pentanone	110		100		59-130	10		20
2-Hexanone	88		85		57-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1808694
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-13 Batch: WG1098889-3 WG1098889-4								
Bromochloromethane	98		96		70-130	2		20
2,2-Dichloropropane	99		97		63-133	2		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	99		98		64-130	1		20
Bromobenzene	99		97		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	100		94		41-144	6		20
Hexachlorobutadiene	79		76		63-130	4		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	98		95		70-130	3		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20
1,2,4-Trichlorobenzene	93		91		70-130	2		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	80		74		56-162	8		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-13 Batch: WG1098889-3 WG1098889-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		97		70-130	3		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	100		96		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	97		95		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

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): 05-13 QC Batch ID: WG1098889-6 WG1098889-7 QC Sample: L1808694-05 Client ID: MW-14												
Methylene chloride	ND	25	31	124		30	120		70-130	3		20
1,1-Dichloroethane	ND	25	30	120		29	116		70-130	3		20
Chloroform	ND	25	27	108		26	104		70-130	4		20
Carbon tetrachloride	ND	25	26	104		25	100		63-132	4		20
1,2-Dichloropropane	ND	25	29	116		28	112		70-130	4		20
Dibromochloromethane	ND	25	26	104		26	104		63-130	0		20
1,1,2-Trichloroethane	ND	25	30	120		30	120		70-130	0		20
Tetrachloroethene	84	25	110	104		110	104		70-130	0		20
Chlorobenzene	ND	25	29	116		28	112		75-130	4		20
Trichlorofluoromethane	ND	25	30	120		28	112		62-150	7		20
1,2-Dichloroethane	ND	25	26	104		25	100		70-130	4		20
1,1,1-Trichloroethane	ND	25	27	108		26	104		67-130	4		20
Bromodichloromethane	ND	25	26	104		25	100		67-130	4		20
trans-1,3-Dichloropropene	ND	25	28	112		27	108		70-130	4		20
cis-1,3-Dichloropropene	ND	25	27	108		25	100		70-130	8		20
1,1-Dichloropropene	ND	25	29	116		28	112		70-130	4		20
Bromoform	ND	25	24	96		23	92		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	25	29	116		28	112		67-130	4		20
Benzene	ND	25	28	112		27	108		70-130	4		20
Toluene	ND	25	29	116		28	112		70-130	4		20
Ethylbenzene	ND	25	29	116		28	112		70-130	4		20
Chloromethane	ND	25	32	128		30	120		64-130	6		20
Bromomethane	ND	25	30	120		31	124		39-139	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

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): 05-13 QC Batch ID: WG1098889-6 WG1098889-7 QC Sample: L1808694-05 Client ID: MW-14												
Vinyl chloride	99	25	140	**164**	Q	130	124		55-140	7		20
Chloroethane	ND	25	36	**144**	Q	34	136		55-138	6		20
1,1-Dichloroethene	0.67J	25	31	124		29	116		61-145	7		20
trans-1,2-Dichloroethene	ND	25	31	124		29	116		70-130	7		20
Trichloroethene	21	25	48	108		46	100		70-130	4		20
1,2-Dichlorobenzene	ND	25	28	112		26	104		70-130	7		20
1,3-Dichlorobenzene	ND	25	28	112		27	108		70-130	4		20
1,4-Dichlorobenzene	ND	25	28	112		26	104		70-130	7		20
Methyl tert butyl ether	ND	25	27	108		26	104		63-130	4		20
p/m-Xylene	ND	50	59	118		56	112		70-130	5		20
o-Xylene	ND	50	60	120		57	114		70-130	5		20
cis-1,2-Dichloroethene	250	25	270	80		260	**40**	Q	70-130	4		20
Dibromomethane	ND	25	25	100		24	96		70-130	4		20
1,2,3-Trichloropropane	ND	25	28	112		28	112		64-130	0		20
Acrylonitrile	ND	25	27	108		26	104		70-130	4		20
Styrene	ND	50	70	**140**	Q	65	130		70-130	7		20
Dichlorodifluoromethane	ND	25	32	128		31	124		36-147	3		20
Acetone	ND	25	26	104		26	104		58-148	0		20
Carbon disulfide	ND	25	32	128		30	120		51-130	6		20
2-Butanone	ND	25	24	96		24	96		63-138	0		20
Vinyl acetate	ND	25	25	100		24	96		70-130	4		20
4-Methyl-2-pentanone	ND	25	28	112		27	108		59-130	4		20
2-Hexanone	ND	25	22	88		22	88		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701
Lab Number: L1808694
Report Date: 03/21/18

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): 05-13 QC Batch ID: WG1098889-6 WG1098889-7 QC Sample: L1808694-05 Client ID: MW-14												
Bromochloromethane	ND	25	26	104		24	96		70-130	8		20
2,2-Dichloropropane	ND	25	27	108		26	104		63-133	4		20
1,2-Dibromoethane	ND	25	26	104		25	100		70-130	4		20
1,3-Dichloropropane	ND	25	29	116		27	108		70-130	7		20
1,1,1,2-Tetrachloroethane	ND	25	27	108		26	104		64-130	4		20
Bromobenzene	ND	25	26	104		26	104		70-130	0		20
n-Butylbenzene	ND	25	30	120		30	120		53-136	0		20
sec-Butylbenzene	ND	25	31	124		30	120		70-130	3		20
tert-Butylbenzene	ND	25	29	116		28	112		70-130	4		20
o-Chlorotoluene	ND	25	29	116		28	112		70-130	4		20
p-Chlorotoluene	ND	25	29	116		28	112		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	25	25	100		23	92		41-144	8		20
Hexachlorobutadiene	ND	25	22	88		21	84		63-130	5		20
Isopropylbenzene	ND	25	30	120		29	116		70-130	3		20
p-Isopropyltoluene	ND	25	30	120		28	112		70-130	7		20
Naphthalene	ND	25	25	100		25	100		70-130	0		20
n-Propylbenzene	ND	25	30	120		29	116		69-130	3		20
1,2,3-Trichlorobenzene	ND	25	23	92		24	96		70-130	4		20
1,2,4-Trichlorobenzene	ND	25	25	100		24	96		70-130	4		20
1,3,5-Trimethylbenzene	ND	25	29	116		28	112		64-130	4		20
1,2,4-Trimethylbenzene	ND	25	28	112		27	108		70-130	4		20
1,4-Dioxane	ND	1250	940	75		1100	88		56-162	16		20
p-Diethylbenzene	ND	25	29	116		28	112		70-130	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1701

Lab Number: L1808694

Report Date: 03/21/18

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): 05-13 QC Batch ID: WG1098889-6 WG1098889-7 QC Sample: L1808694-05 Client ID: MW-14												
p-Ethyltoluene	ND	25	30	120		29	116		70-130	3		20
1,2,4,5-Tetramethylbenzene	ND	25	27	108		26	104		70-130	4		20
Ethyl ether	ND	25	30	120		28	112		59-134	7		20
trans-1,4-Dichloro-2-butene	ND	25	26	104		24	96		70-130	8		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	93		93		70-130
Toluene-d8	103		104		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1808694
Report Date: 03/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808694-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-03A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-03B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-03C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-05C2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-06A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-06B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1701

Lab Number: L1808694
Report Date: 03/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808694-06C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-07A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-07B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-07C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-08A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-08B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-08C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-09A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-09B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-09C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-10A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-10B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-10C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-11A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-11B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-12A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-12B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-12C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-13A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-13B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1808694-13C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1808694
Project Number:	CIR1701	**Report Date:**	03/21/18

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1808694
Project Number:	CIR1701	**Report Date:**	03/21/18

Data Qualifiers

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).

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:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L1808694
Project Number:	CIR1701	**Report Date:**	03/21/18

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: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, 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, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

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 of

Date Rec'd in Lab: 3/15/18

ALPHA Job #: L1808694

Client Information
Client: AGC
Address: 630 Johnson Ave. Ste 7
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: JLewis@envisr.com

Project Information
Project Name: Former Brighton Cleaners
Project Location: Coast Island
Project #: CIR1701
(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

VOCs (8260)

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

Total # Bottles

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (8260)	Sample Specific Comments
08694-01	MW-10	3-14	1510	GW	AK	X	
02	MW-11		1530			X	
03	MW-12		1300			X	
04	MW-13		1230			X	
05	MW-14/MS/MSD		1155			X	
06	MW-15		1245			X	
07	MW-16		1430			X	
08	MW-17		1420			X	
09	DUPE		~~XX~~			X	
10	Field Blank		1515			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
AM	3-14 1600	Daniel Fischer AAL	3/14/18 16:00
Daniel Fischer AAL	3/14/18 19:25	Paul Mazzella	3/14/18 21:45
Paul Mazzella	3/15/18 02:42		3/15/18 0242

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: 3/15/18

ALPHA Job #: L1808694

Client Information
Client: VHG L
Address: 630 Johnson Ave Suite 207 Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: JLewis@hvgroup.com

Project Information
Project Name: Former Brighton Cleaners
Project Location: Coney Island
Project #: CIRD01
(Use Project name as Project #)
Project Manager: Jennifer Lewis
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
# 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 (8260)

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (8260)	Sample Specific Comments
08694-11	Trip Blank	3-14			AM	X	
12	ML-35-40	3-14	1330	GW	AM	X	
13	ML-15-20	3-14	1320	GW	AM	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
AM	3-14 1600	Daniel Fischer AAL	3/14/18 15:00
Daniel Fischer AAL	3/14/18 19:25	Paul Muzzella	3/14/18 2145
Paul Muzzella	3/15/18 02:42		3/15/18 0242

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)

APPENDIX E

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

July 18, 2017

Mr. Oleg Blinshteyn
3140 Coney Island Realty, LLC
3061 Brighton 6th Street
Brooklyn, NY 11235

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter
Former Brighton Cleaners, Brooklyn
Kings County, Site No.: C224157

Dear Oleg Blinshteyn (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: 12/17/2015 to 03/18/2017.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 1 year(s), your next PRR is due on April 17, 2018. You will receive a reminder letter and updated certification form 45-days prior to the due date.

The PRR report recommends that the activated carbon treatment for the SVE effluent be terminated and the frequency of soil vapor sampling for the SVE system effluent be reduce from quarterly to annually. Based on the information present in Appendix E of the PRR which provides the dispersion modeling analysis performed using the NYSDEC DAR-1 policy, the Department has approves these recommendations.

Within 30 days of the completion of the activities approved herein, please submit revised pages and cover page for the SMP addressing these changes to the engineering controls. If you have any questions, please contact me at 718-482-4905 or e-mail yukyin.wong@dec.ny.gov

Sincerely,

Bryan Wong
Project Manager

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

ec: Jane O’Connell – NYSDEC
Bridget Boyd – NYSDOH
Jennifer Lewis – PW Grosser

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

October 11, 2017

Jennifer Lewis
Senior Project Manager
P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716

Re: Site Name: Former Brighton Cleaners
NYSDEC Site No.: C224157
Site Management Plan Revision

Dear Ms. Lewis:

The New York State Department of Environmental Conservation (the Department) has reviewed the revised Site Management Plan (SMP) dated October 2017. Based on the review, the revised SMP is hereby approved.

If you have any questions regarding this matter, please contact me at (718) 482-4905 or email: yukyin.wong@dec.ny.gov.

Sincerely,

Bryan Wong
Project Manager

ec: Jane O'Connell – NYSDEC
Bridget Boyd, Justin Deming – NYSDOH
Oleg Blinshteyn – 3140 Coney Island Realty, LLC

APPENDIX F

Monthly System Performance Log

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

Inspector's Name: Steven Labrecque

Inspection Time: 10:30

Inspection Date: 4-03-2017

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	NF	CFM
VI-MS	27	" W.C.
VI-703	32	" W.C.
TI-701	86	ºF
PI-701	24	" W.C.
PI-702	0	" W.C.
Hours	11680.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	NP	9.03	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)	-0.017	-0.012	-0.020	-0.040	-0.054	NM	-0.021	-0.009	-0.074	-0.007	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

Inspector's Name: Michael Pecoraro

Inspection Time: 11:00

Inspection Date: 5/03/2017

Weather Conditions: 60˚ F Partly 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	16	" W.C.
FI-701	NF	CFM
VI-MS	26	" W.C.
VI-703	32	" W.C.
TI-701	90	ºF
PI-701	24	" W.C.
PI-702	NF	" W.C.
Hours	12,400	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)	-0.021	-0.036	-0.003	-0.043	-0.061	NM	NM	-0.028	-0.064	-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

Inspector's Name: Nick Russell

Inspection Time: 13:00

Inspection Date: 6-01-2017

Weather Conditions: 72˚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	NF	CFM
VI-MS	26	" W.C.
VI-703	30	" W.C.
TI-701	104	ºF
PI-701	22	" W.C.
PI-702	NF	" W.C.
Hours	13098.2	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NP	8.39	14.61
MW-11	NP	8.64	15.29
MW-12	NP	8.49	13.11
MW-13	NP	8.72	13.51
MW-14	NP	8.74	12.62
MW-15	NP	3.54	4.63
MW-16	NP	9.11	9.68
ML-Well1 (15-20')	NP	8.93	19.41
ML-Well1 (35-40')	NP	NA	NA

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)	-0.026	-0.022	-0.033	-0.065	-0.085	NM	-0.015	-0.019	-0.070	-0.007	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

Inspector's Name: Janelle Cooley

Inspection Time: 1200

Inspection Date: 7/17/17

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	NM	CFM
VI-MS	26	" W.C.
VI-703	31	" W.C.
TI-701	109	ºF
PI-701	22	" W.C.
PI-702	0	" W.C.
Hours	14201.9	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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	-0.022	-0.019	-0.045	-0.061	NM	-0.030	-0.027	-0.069	-0.023	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

Inspector's Name: Nicholas Russell

Inspection Time: 1030

Inspection Date: 8/21/17

Weather Conditions: sunny, 70s

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	NM	CFM
VI-MS	26	" W.C.
VI-703	31	" W.C.
TI-701	108	ºF
PI-701	22	" W.C.
PI-702	NM	" W.C.
Hours	15039.7	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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)	-0.028	-0.024	-0.025	-0.056	-0.072	NM	-0.019	-0.019	-0.047	-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: _____

_____

_____

Items to be Addressed / Fixed: _____

_____

_____

Monthly System Performance Log

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

Inspector's Name: Nicholas Russell

Inspection Time: 1035

Inspection Date: 8/21/17

Weather Conditions: Sunny, 70s

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	NM	CFM
VI-MS	30	" W.C.
VI-703	36	" W.C.
TI-701	NM	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	15039.7	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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)	-0.012	-0.024	-0.025	-0.064	-0.082	NM	NM	-0.011	-0.073	-0.017	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: Carbon filtration system removed from SVE system. PI-702 (post carbon drum) removed from system. Expect PI-701 readings of 0"WC.

Items to be Addressed / Fixed: _____

Monthly System Performance Log

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

Inspector's Name: Nicholas Russell

Inspection Time: 1200

Inspection Date: 8/21/17

Weather Conditions: sunny, 70's

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	NM	CFM
VI-MS	30	" W.C.
VI-703	36	" W.C.
TI-701	102	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	NM	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)	-0.030	-0.034	-0.039	-0.065	-0.081	NM	NM	-0.045	-0.067	-0.008	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.

SVE valves were adjusted. Legs 1,2,5, and 6 were left fully open. Legs 3 and 4 were closed halfway.

Comments:

Valves were adjusted to increase vacuum at all points.

Items to be Addressed / Fixed:

Monthly System Performance Log

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

Inspector's Name: Nicholas Russell

Inspection Time: 0800

Inspection Date: 9/13/17

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	16	" W.C.
FI-701	NM	CFM
VI-MS	30	" W.C.
VI-703	36	" W.C.
TI-701	100	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	15594.2	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)	-0.025	-0.027	-0.038	-0.061	-0.059	-0.104	-0.028	-0.017	-0.051	-0.022	NM	-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: Vacuum monitoring points measured prior to replacement VM-11 well installed.

Items to be Addressed / Fixed:

Monthly System Performance Log

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

Inspector's Name: Nicholas Russell

Inspection Time: 1430

Inspection Date: 9/20/2017

Weather Conditions: Cloudy, 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	NM	CFM
VI-MS	NM	" W.C.
VI-703	36	" W.C.
TI-701	98	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	15763.4	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)	-0.031	-0.051	-0.028	-0.061	-0.020	-0.150	-0.025	-0.023	-0.080	-0.022	-0.022	-0.011

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

Inspector's Name: Janelle Cooley

Inspection Time: 9:30

Inspection Date: 10-13-2017

Weather Conditions: _____

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	NM	CFM
VI-MS	32	" W.C.
VI-703	38	" W.C.
TI-701	85	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	16810.9	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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)	-0.028	-0.032	-0.039	-0.052	-0.047	-0.107	NA	-0.025	-0.084	NA	-0.040	-0.014

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

Inspector's Name: Nick Russell

Inspection Time: 12:00

Inspection Date: 11-10-2017

Weather Conditions: 45°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	NM	CFM
VI-MS	32	" W.C.
VI-703	38	" W.C.
TI-701	70	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	16987.0	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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)	-0.030	-0.033	-0.028	-0.047	-0.052	-0.019	-0.023	-0.027	-0.064	-0.027	-0.017	-0.041

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

Inspector's Name: Nick Russell

Inspection Time: 10:00

Inspection Date: 12-13-2017

Weather Conditions: 27°F

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	NM	CFM
VI-MS	30	" W.C.
VI-703	38	" W.C.
TI-701	61	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	17778.7	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NP	9.10	14.61
MW-11	NP	9.22	15.29
MW-12	NP	9.16	13.11
MW-13	NP	9.30	13.51
MW-14	NP	9.22	12.62
MW-15	NP	4.04	4.63
MW-16	NP	NA	NA
ML-Well1 (15-20')	NP	9.52	19.41
ML-Well1 (35-40')	NP	9.53	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)	-0.030	-0.031	-0.042	-0.058	-0.053	-0.114	-0.046	-0.012	-0.048	-0.022	-0.008	-0.018

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

Inspector's Name: Steve Cantillo

Inspection Time: 11:30

Inspection Date: 1-22-18

Weather Conditions: 50F, Mostly 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	16	" W.C.
FI-701	0	CFM
VI-MS	32	" W.C.
VI-703	40	" W.C.
TI-701	68	ºF
PI-701	2.5	" W.C.
PI-702	-	" W.C.
Hours	18,738.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16	Blocked		
ML-Well1 (15-20')			
MW-17	NP	9.82	11.50

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)	-0.041	-0.043	-0.048	-0.054	-0.100	-0.266	-0.039	-0.030	-0.089	-0.275	-0.010	-0.040

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

Inspector's Name: Nick Russell

Inspection Time: 12:00

Inspection Date: 2-19-18

Weather Conditions: 50F, Mostly 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	20	" W.C.
FI-701	N/A	CFM
VI-MS	30	" W.C.
VI-703	38	" W.C.
TI-701	78	ºF
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	19,337.4	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')			
MW-17			

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

Inspector's Name: Nick Russell

Inspection Time: 14:00

Inspection Date: 3-14-2018

Weather Conditions: Windy, 35°F

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	20	" W.C.
FI-701	NM	CFM
VI-MS	30	" W.C.
VI-703	38	" W.C.
TI-701	70	ºF
PI-701	0	" W.C.
PI-702	NM	" W.C.
Hours	19962.9	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10	NP	8.64	14.61
MW-11	NP	8.60	15.29
MW-12	NP	8.52	13.11
MW-13	NP	8.70	13.51
MW-14	NP	8.66	12.62
MW-15	NP	3.40	4.63
MW-16	NP	9.00	9.45
ML-Well1 (15-20')	NP	8.73	18.5
ML-Well1 (35-40')	NP	N/A	N/A

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)	-0.030	-0.032	-0.065	-0.102	-0.064	-0.244	-0.030	-0.029	-0.069	-0.042	-0.012	-0.060

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: _____

_____

_____

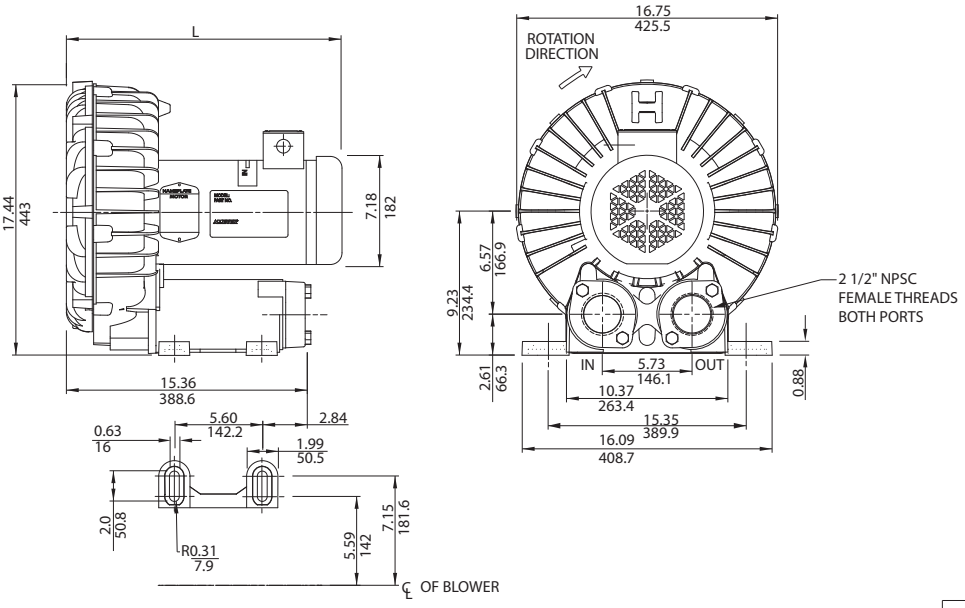
APPENDIX G

Environmental / Chemical Processing Blowers

ROTRON®

EN 757 & CP 757

3.0 / 5.0 HP Sealed Regenerative w/Explosion-Proof Motor



IN
MM

NOTES
1. TERMINAL BOX CONNECTOR HOLE .75 NPT.
2. DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3. CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	L (IN/MM)
EN757M72XL	19.72/500.9
EN757F72XL	21.00/533.4

		Part/ Model Number				
		EN757M72XL	EN757M86XL	EN757F72XL	CP757FW72XLR	CP757FU72XLR
Specification	Units	081176	081177	081174	081180	081181
Motor Enclosure - Shaft Mtl.	-	XP-CS	XP-CS	XP-CS	Chem XP-SS	Chem XP-SS
Horsepower	-	3.0	3.0	5.0	XP-CS	3
Voltage	AC	208-230/460	575	208-230/460	208-230/460	208-230/460
Phase - Frequency	-	Three-60 Hz	Three-60 Hz	Three - 60 Hz	Three-60 Hz	Three - 60 Hz
Insulation Class	-	B	B	B	B	B
NEMA Rated Motor Amps	Amps (A)	7.2/3.6	3.0	14/7	14/7	7.2/3.6
Service Factor	-	1.0	1.0	1.0	1.0	1.0
Maximum Blower Amps	Amps (A)	10/5	4.0	15/7.5	15/7.5	10/5
Locked Rotor Amps	Amps (A)	54/47	22	152/76	152/76	54/27
NEMA Starter Size	-	0/0	0	1/1	1/1	0/0
Shipping Weight	Lbs	158	158	158	158	158
	Kg	71.7	71.7	71.7	71.7	71.7

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

XP Motor Class - Group - See Explosive Atmosphere Classification Chart in Section I

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

AMETEK TECHNICAL & INDUSTRIAL PRODUCTS
75 North Street, Saugerties, NY 12477
USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
Customer Service Fax: +1 215.256.1338
www.ametektip.com

AMETEK® TECHNICAL & INDUSTRIAL PRODUCTS

Environmental / Chemical Processing Blowers

EN 757 & CP 757

ROTRON®

3.0 / 5.0 HP Sealed Regenerative w/Explosion-Proof Motor

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 310 SCFM
- Maximum pressure: 80 IWG
- Maximum vacuum: 75 IWG
- Standard motor: 5.0 HP, explosion-proof
- Cast aluminum blower housing, impeller , cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

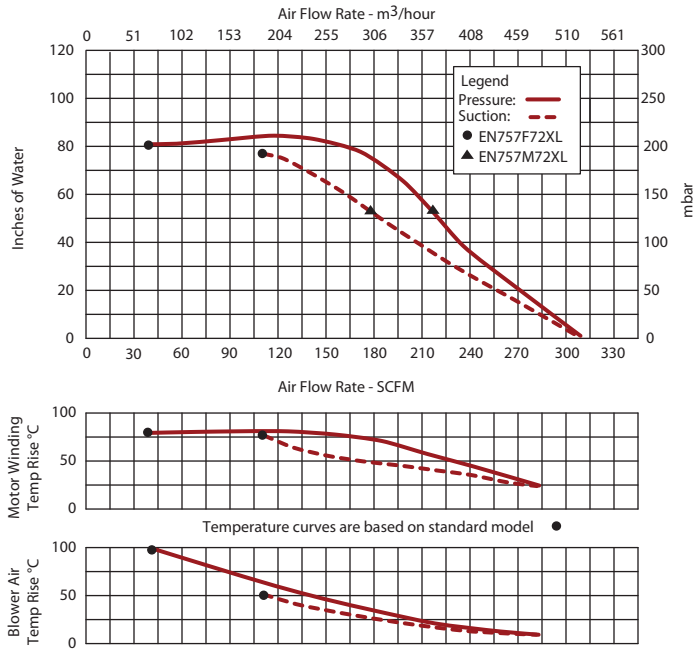
ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

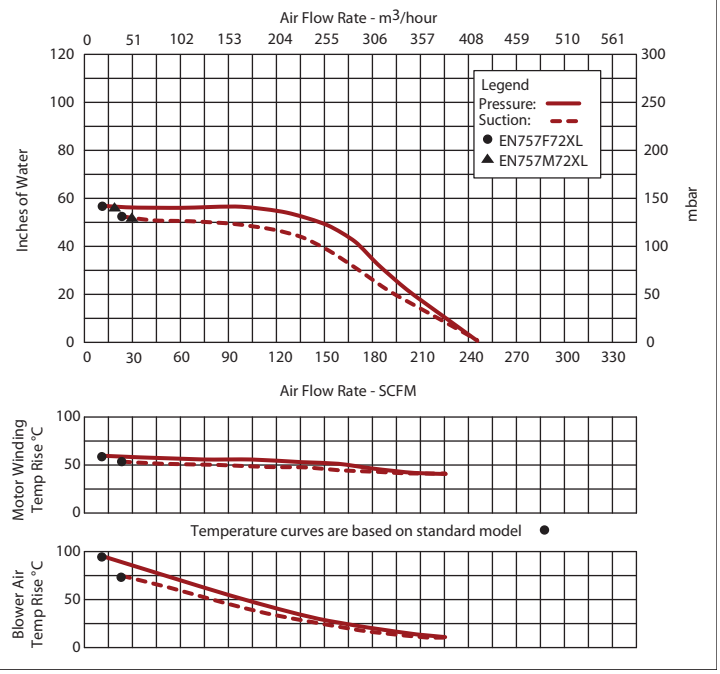


Blower Performance at Standard Conditions

60 Hz



50 Hz



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www.ametektip.com

AMETEK®
TECHNICAL & INDUSTRIAL PRODUCTS

APPENDIX H

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

July 10, 2017

SUBJECT: Coney Island, Former Brighton Cleaners, 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 June 26, 2017. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #38981:

SDG #	Fraction
L1718024	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

1,243 pages-DL

Attachment 1

Category B

LDC #38981 (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	L1718024	06/26/17	07/11/17	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.

V:\LOGIN\PW Grosser\Coney Island\38981ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical
Report No.: L1718024
Reviewer: Josephine Go and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: July 7, 2017

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-15	L1718024-01	VOC
MW-14	L1718024-02	VOC
MW-13	L1718024-03	VOC
MW-12	L1718024-04	VOC
MLW 15-20	L1718024-05	VOC
MLW 35-40	L1718024-06	VOC
MW-16	L1718024-07	VOC
MW-11	L1718024-08	VOC
MW-10	L1718024-09	VOC
DUPE	L1718024-10	VOC
TRIP BLANK	L1718024-11	VOC
MW-14MS	L1718024-02MS	VOC
MW-14MSD	L1718024-02MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: TRIP BLANK
Field Duplicate pair: MW-13 and DUPE

The above-listed water samples were collected on June 1, 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 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
04/25/17	ICAL-JACK1	1,4-Dioxane	0.00215 (≥0.005)	MW-15 MW-14 MW-13 MW-12	+	UJ nondetects
05/25/17	ICAL-JACK2	1,4-Dioxane	0.00156 (≥0.005)	MLW 15-20 MLW 35-40 MW-16	+	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 response factor 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.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
05/25/17	VJ1705225A14	Carbon disulfide	38.4	MLW 15-20	SS	J detects/UJ nondetect
		n-Butylbenzene	33.4	MLW 35-40	SS	J detects/UJ nondetect
				MW-16		

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 second source verification 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.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
06/07/17	VJ170607A01	Dichlorodifluoromethane	25.5	MW-15	XX	UJ nondetects
		Chloromethane	26.7	MW-14	XX	UJ nondetects
		Ethyl ether	37.4	MW-13	XX	UJ nondetects
		Carbon tetrachloride	23.4	MW-12	XX	UJ nondetects
		4-Methyl-2-pentanone	22.4		XX	UJ nondetects

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
06/07/17	VJ170607A04	Carbon disulfide 1,4-Dioxane 1,2,4,5-Tetramethylbenzene	22.1 37.2 21.4	MLW 15-20 MLW 35-40 MW-16	XX XX XX	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects
06/07/17	V08170607N02	Bromomethane	24	MW-11 MW-10 DUPE TRIP BLANK	XX	UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
06/07/17	VJ170607A01	1,4-Dioxane	0.00246 (≥0.005)	MW-15 MW-14 MW-13 MW-12	+	UJ nondetects
06/07/17	VJ170607A04	1,4-Dioxane	0.00214 (≥0.005)	MLW 15-20 MLW 35-40 MW-16	+	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 for VOC analysis.

Surrogate Recoveries

All criteria were met.

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	-	-	26 (≤20)	MW-14	None
n-Butylbenzene	-	-	30 (≤20)		None
1,4-Dioxane	-	-	23 (≤20)		None
Chloroethane	-	140 (55-138)	-	MW-14	None
Ethyl ether	135 (59-134)	-	-		None
trans-1,4-Dichloro-2-butene	135 (70-130)	-	-		None

- Within limits

Validation action was not required for bromomethane, n-butylbenzene, 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.

Validation action was not required for chloroethane, ethyl ether, and trans-1,4-dichloro-2-butene 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
WG1010858-3,4LCS/D	Ethyl ether	-	140 (59-134)	-	MW-15 MW-14 MW-13 MW-12	None
WG1010858-3,4LCS/D	1,1-Dichloroethane	-	-	22 (≤20)	MW-15	UJ nondetects
	Bromomethane	-	-	21 (≤20)	MW-14	UJ nondetects
	1,2,3-Trichlorobenzene	-	-	21 (≤20)	MW-13	UJ nondetects
					MW-12	
WG1011018-3,4LCS/D	Acetone	-	-	26 (≤20)	MW-11 MW-10 DUPE TRIP BLANK	UJ nondetects

- Within limits

Validation action was not required for ethyl ether due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

The 1,1-dichloroethane, bromomethane, 1,2,3-trichlorobenzene, and acetone results for the samples listed above were estimated due to LCS/LCSD relative percent difference 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.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-13 and DUPE were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD
	MW-13	DUPE	
Tetrachloroethene	17	18	6
Isopropylbenzene	0.59	0.53	11
Ethylbenzene	1.6	1.4	13
Vinyl chloride	61	59	3
trans-1,2-Dichloroethene	2.0	2.1	5
Trichloroethene	3.2	3.3	3
o-Xylene	1.8	1.7	6
Xylenes, total	1.8	1.7	6
cis-1,2-Dichloroethene	26	26	0
1,2-Dichloroethene, total	28	28	0
sec-Butylbenzene	1.2	1.0	18
Isopropylbenzene	1.3	1.2	8
Naphthalene	2.5U	1.0	Not comparable
1,2,4-Trimethylbenzene	1.6	1.5	6
1,2,4,5-Tetramethylbenzene	2.9	2.4	19

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-15	2-fold dilution due to nature of sample matrix
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	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-01D	Date Collected	: 06/01/17 10:20
Client ID	: MW-15	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 14:57
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A35	Instrument ID	: JACK
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
75-09-2	Methylene chloride	ND U	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND UJ	5.0	1.4	U
67-66-3	Chloroform	ND U	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND UJ	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND U	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	2.4	1.0	0.36	
108-90-7	Chlorobenzene	ND U	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 UJ	5.0	1.4	U
74-83-9	Bromomethane	ND UJ	5.0	1.4	U
75-01-4	Vinyl chloride	ND U	2.0	0.14	U
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-01D	Date Collected	: 06/01/17 10:20
Client ID	: MW-15	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 14:57
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A35	Instrument ID	: JACK
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	ND U	5.0	1.4	U
79-01-6	Trichloroethene	2.5	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	6.1	5.0	1.4	
540-59-0	1,2-Dichloroethene, Total	6.1	5.0	1.4	
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	ND U	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	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 U	10	2.0	U
74-97-5	Bromochloromethane	ND	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-01D	Date Collected	: 06/01/17 10:20
Client ID	: MW-15	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 14:57
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A35	Instrument ID	: JACK
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
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	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	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	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	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	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND UJ	5.0	1.4	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-02D	Date Collected	: 06/01/17 10:30
Client ID	: MW-14	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:31
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A37	Instrument ID	: JACK
Sample Amount	: 0.5 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
75-09-2	Methylene chloride	ND U	50	14.	U
75-34-3	1,1-Dichloroethane	ND UJ	50	14.	U
67-66-3	Chloroform	ND U	50	14.	U
56-23-5	Carbon tetrachloride	ND UJ	10	2.7	U
78-87-5	1,2-Dichloropropane	ND U	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	200	10	3.6	
108-90-7	Chlorobenzene	ND U	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	10	2.9	U
563-58-6	1,1-Dichloropropene	ND	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 UJ	50	14.	U
74-83-9	Bromomethane	ND UJ	50	14.	U
75-01-4	Vinyl chloride	250	20	1.4	
75-00-3	Chloroethane	ND U	50	14.	U
75-35-4	1,1-Dichloroethene	7.0 J	10	3.4	J

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-02D	Date Collected	: 06/01/17 10:30
Client ID	: MW-14	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:31
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A37	Instrument ID	: JACK
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 U	50	14.	U
79-01-6	Trichloroethene	99	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND U	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	50	14.	U
1330-20-7	Xylenes, Total	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	1800	50	14.	
540-59-0	1,2-Dichloroethene, Total	1800	50	14.	
74-95-3	Dibromomethane	ND U	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 UJ	100	20.	U
67-64-1	Acetone	ND U	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 UJ	100	20.	U
591-78-6	2-Hexanone	ND U	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

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-02D	Date Collected	: 06/01/17 10:30
Client ID	: MW-14	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:31
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A37	Instrument ID	: JACK
Sample Amount	: 0.5 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
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 UJ	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND U	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 UJ	5000	1200	U
105-05-5	p-Diethylbenzene	ND U	40	14.	U
622-96-8	p-Ethyltoluene	ND	40	14.	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	40	11.	U
60-29-7	Ethyl ether	ND UJ	50	14.	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	50	14.	U

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Initials: CE

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-03	Date Collected	: 06/01/17 11:00
Client ID	: MW-13	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 13:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A31	Instrument ID	: JACK
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 UJ	2.5	0.70	U
67-66-3	Chloroform	ND U	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND UJ	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND U	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	17	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	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	0.59	0.50	0.16	
108-88-3	Toluene	ND U	2.5	0.70	U
100-41-4	Ethylbenzene	1.6 J	2.5	0.70	J
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	61	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

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-03	Date Collected	: 06/01/17 11:00
Client ID	: MW-13	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 13:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A31	Instrument ID	: JACK
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 J	2.5	0.70	J
79-01-6	Trichloroethene	3.2	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	1.8 J	2.5	0.70	J
1330-20-7	Xylenes, Total	1.8 J	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	26	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	28 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 U	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 UJ	5.0	1.0	U
591-78-6	2-Hexanone	ND U	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

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Initials:

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-03	Date Collected	: 06/01/17 11:00
Client ID	: MW-13	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 13:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A31	Instrument ID	: JACK
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	1.2	2.5	0.70	J
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	1.3	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	1.6	2.5	0.70	J
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	2.9	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-04	Date Collected	: 06/01/17 11:45
Client ID	: MW-12	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A33	Instrument ID	: JACK
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 UJ	2.5	0.70	U
67-66-3	Chloroform	ND U	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND UJ	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND U	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	26	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	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	1.3	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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-04	Date Collected	: 06/01/17 11:45
Client ID	: MW-12	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A33	Instrument ID	: JACK
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	3.3	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 U	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	20	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	20	2.5	0.70	
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 U	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND U	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 U	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 U	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 U	2.5	0.70	U

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VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-04	Date Collected	: 06/01/17 11:45
Client ID	: MW-12	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A33	Instrument ID	: JACK
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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-05	Date Collected	: 06/01/17 12:00
Client ID	: MLW 15-20	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A36	Instrument ID	: JACK
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	40	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

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Initials: ee

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-05	Date Collected	: 06/01/17 12:00
Client ID	: MLW 15-20	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A36	Instrument ID	: JACK
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	1.3 J	2.5	0.70	J
79-01-6	Trichloroethene	ND U	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	11	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	12 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	5.0	1.0	U
67-64-1	Acetone	1.7 J	5.0	1.5	J
75-15-0	Carbon disulfide	ND UJ	5.0	1.0	U
78-93-3	2-Butanone	ND U	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

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Initials: CR

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-05	Date Collected	: 06/01/17 12:00
Client ID	: MLW 15-20	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A36	Instrument ID	: JACK
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 UJ	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND U	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	61.	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	4.4 J	2.0	0.54	
60-29-7	Ethyl ether	ND U	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

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Initials: CE

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VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-06	Date Collected	: 06/01/17 12:15
Client ID	: MLW 35-40	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A38	Instrument ID	: JACK
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	0.33	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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-06	Date Collected	: 06/01/17 12:15
Client ID	: MLW 35-40	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A38	Instrument ID	: JACK
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

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VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-06	Date Collected	: 06/01/17 12:15
Client ID	: MLW 35-40	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 15:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A38	Instrument ID	: JACK
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 V	2.5	0.70	U
104-51-8	n-Butylbenzene	ND UJ	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND U	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 UJ	250	61.	U
105-05-5	p-Diethylbenzene	ND U	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND V	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND UJ	2.0	0.54	U
60-29-7	Ethyl ether	ND V	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND V	2.5	0.70	U

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-07	Date Collected	: 06/01/17 14:00
Client ID	: MW-16	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 16:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A40	Instrument ID	: JACK
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	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	1.2 J	2.5	0.70	J
74-87-3	Chloromethane	ND U	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	2.5	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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-07	Date Collected	: 06/01/17 14:00
Client ID	: MW-16	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 16:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A40	Instrument ID	: JACK
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	1.4	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	1.8	2.5	0.70	J
1330-20-7	Xylenes, Total	1.8	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	2.0	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	2.0	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	25	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	15	5.0	1.9	
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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-07	Date Collected	: 06/01/17 14:00
Client ID	: MW-16	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/07/17 16:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VJ170607A40	Instrument ID	: JACK
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	2.5 J	2.5	0.70	
135-98-8	sec-Butylbenzene	2.4 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	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	0.78 J	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND U	2.5	0.70	U
91-20-3	Naphthalene	ND U	2.5	0.70	U
103-65-1	n-Propylbenzene	1.2 J	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND U	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 UJ	250	61.	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	11 J	2.0	0.54	
60-29-7	Ethyl ether	ND U	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-08	Date Collected	: 06/01/17 13:30
Client ID	: MW-11	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 03:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N17	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 U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	U ND UJ	2.5	0.70	U
67-66-3	Chloroform	1.2 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	1.5	0.50	U
127-18-4	Tetrachloroethene	0.59	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	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 UJ	2.5	0.70	U
75-01-4	Vinyl chloride	ND U	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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-08	Date Collected	: 06/01/17 13:30
Client ID	: MW-11	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 03:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N17	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 V	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 V	5.0	1.0	U
67-64-1	Acetone	ND VJ	5.0	1.5	U
75-15-0	Carbon disulfide	ND V	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 V	2.5	0.70	U

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VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-08	Date Collected	: 06/01/17 13:30
Client ID	: MW-11	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 03:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N17	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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-09	Date Collected	: 06/01/17 13:50
Client ID	: MW-10	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 03:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N18	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	4.9	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	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

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Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-09	Date Collected	: 06/01/17 13:50
Client ID	: MW-10	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 03:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N18	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 U	2.5	0.70	U
79-01-6	Trichloroethene	1.0	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 U	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	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

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Initials: ep

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-09	Date Collected	: 06/01/17 13:50
Client ID	: MW-10	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 03:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N18	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-10	Date Collected	: 06/01/17 00:00
Client ID	: DUPE	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 04:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N19	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	18	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	0.53	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	1.4	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	59	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

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-10	Date Collected	: 06/01/17 00:00
Client ID	: DUPE	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 04:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N19	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	2.1 J	2.5	0.70	J
79-01-6	Trichloroethene	3.3	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	1.7 J	2.5	0.70	J
1330-20-7	Xylenes, Total	1.7 J	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	26	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	28 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 U	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	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 U	2.5	0.70	U

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-10	Date Collected	: 06/01/17 00:00
Client ID	: DUPE	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 04:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N19	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 U	2.5	0.70	U
104-51-8	n-Butylbenzene	ND U	2.5	0.70	U
135-98-8	sec-Butylbenzene	1.0 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	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.2 J	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND U	2.5	0.70	U
91-20-3	Naphthalene	1.0 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	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	1.5 J	2.5	0.70	J
123-91-1	1,4-Dioxane	ND U	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	2.4	2.0	0.54	
60-29-7	Ethyl ether	ND U	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-11	Date Collected	: 06/01/17 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 04:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N20	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-11	Date Collected	: 06/01/17 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 04:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N20	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	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1718024
Project Name	: CIR1601	Project Number	: CIR1601
Lab ID	: L1718024-11	Date Collected	: 06/01/17 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/17
Sample Location	:	Date Analyzed	: 06/08/17 04:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NL
Lab File ID	: V08170607N20	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

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initials: ER

LDC #: 38981A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 07/06/17
SDG #: L1718024 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: SVG
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%. r² ICV ≤ 30%
IV.	Continuing calibration	SW	CCV ≤ 20%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 11
VII.	Surrogate spikes	N A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS / D
X.	Field duplicates	SW	D = 3/10
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results > MDL < RL = 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 1	MW-15	2X	L1718024-01	Water	06/01/17
2 1	MW-14	20X	L1718024-02	Water	06/01/17
3 1	MW-13	D	L1718024-03	Water	06/01/17
4 1	MW-12		L1718024-04	Water	06/01/17
5 2	MLW 15-20		L1718024-05	Water	06/01/17
6 2	MLW 35-40		L1718024-06	Water	06/01/17
7 2	MW-16		L1718024-07	Water	06/01/17
8 3	MW-11		L1718024-08	Water	06/01/17
9 3	MW-10		L1718024-09	Water	06/01/17
10 3	DUPE	D	L1718024-10	Water	06/01/17
11 3	TRIP BLANK		L1718024-11	Water	06/01/17
12 1	MW-14MS		L1718024-02MS	Water	06/01/17
13 1	MW-14MSD		L1718024-02MSD	Water	06/01/17

- ① WG1010858-5 BLANK - ③ WG1011018-5 BLANK
- ② WG1010869- ↓

LDC #: 38981 A 1

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
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?	✓			

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	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 1,2,4,5-Tetramethylbenzene	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 38981 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
	04/25/17	ICAL-JACK1	HHHH		0.00215 (≥0.005)	1-4, 12, 13, WG1010858-5BLANK	J/UJ/A (ND)
	05/25/17	ICAL-JACK2	HHHH		0.00156 (≥0.005)	5-7, WG1010869-5BLANK	(ND)

INICAL.wpd

LDC #: 38981 A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

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 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
	05/25/17	VJ170525SA14	G	38.4	S-7, WG1010869-5 BLANK	J/UJ/A (ND + Det)
			III	33.4	↓	↓

LDC #: 38981 A1

VALIDATION FINDINGS WORKSHEET
Continuing 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 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
	06/07/17	VJ170607A01	JJ	25.5		1-4, 12, 13, WG1010858-5BLANK	J/UJ/A (ND)
			A	26.7			
			LLL	37.4			
			O	23.4			
			Y	22.4			
			HHH		0.00246 (≥0.005)		
	06/07/17	VJ170607A04	G	22.1		5-7, WG1010869-5BLANK	(ND+Det)
			HHH	37.2			
			Y1	21.4			
			HHH		0.00214 (≥0.005)		
	06/07/17	V08170607N02	B	24		8-11, WG1011018-5BLANK	(ND)

Note: * = Ave RRF failed method criteria but within validation criteria

LDC #: 38981 A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

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 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
		12/13	B	( )	( )	26 (20)	2 (ND)	J dets/A
			III	( )	( )	30 ( )		
			HHHH	( )	( )	23 ( )		
			D	( )	140 (55-138)	( )		
			QQQ	0 (70-130)	0 (70-130)	( )	(Det)	No qual *
			LLLL	135 (59-134)	( )	( )	(ND)	J dets/A
			YYYY	135 (70-130)	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		

* Parent conc > 4x spike

LDC #: 38981 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
		WG1010858-3,4	LLLL	( )	140 (59-134)	( )	1-4, WG1010858-5BLANK	J dets/P (ND)
		LCS/D	I	( )	( )	22 (20)		J/UJ/P
			B	( )	( )	21 ( )		
			NNN	( )	( )	21 ( )		
				( )	( )	( )		
				( )	( )	( )		
		WG1011018-3,4	F	( )	( )	26 (20)	8-11, WG1011018-5BLANK	J/UJ/P (ND)
		LCS/D		( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC#: 38981A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JVG
2nd Reviewer:

METHOD: GC MS VOA (EPA SW 846 Method 8260C)

Y N NA Were field duplicate pairs identified in this SDG?

Y N NA Were target analytes detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤25%)	Qualifications (Parent only)
	3	10		
AA	17	18	6	
V	0.59	0.53	11	
EE	1.6	1.4	13	
C	61	59	3	
PPP	2.0	2.1	5	
S	3.2	3.3	3	
SSS	1.8	1.7	6	
GG	1.8	1.7	6	
QQQ	26	26	0	
J	28	28	0	
EEE	1.2	1.0	18	
VV	1.3	1.2	8	
MMM	2.5U	1.0	NC	
DDD	1.6	1.5	6	
Y1	2.9	2.4	19	

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LDC #: 38981A1

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:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$ — A_x = Area of Compound — A_{is} = Area of associated internal standard

average RRF = sum of the RRFs/number of standards — C_x = Concentration of compound, — C_{is} = Concentration of internal standard

%RSD = 100 * (S/X) — S= Standard deviation of the RRFs, — 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 Jack 1	04/25/17	cis-1,2-DCE (FB)	0.367	0.367	0.384	0.384	8.45	8.47
			Tetrachloroethene (CBZ)	0.606	0.606	0.591	0.591	9.44	9.46
			1,2,4-TMB (DCB)	3.154	3.154	3.244	3.244	11.13	11.13
2	ICAL Jack 2	05/25/17	cis-1,2-DCE (FB)	0.502	0.502	0.549	0.549	7.30	7.33
			Tetrachloroethene (CBZ)	0.855	0.855	0.820	0.820	6.24	6.26
			1,2,4-TMB (DCB)	2.274	2.274	2.386	2.386	10.17	10.17
3	ICAL VOA 108	06/05/17	cis-1,2-DCE (FB)	0.302	0.302	0.295	0.296	7.69	7.65
			Tetrachloroethene (CBZ)	0.360	0.331	0.345	0.345	5.08	5.03
			1,2,4-TMB (DCB)	2.668	2.668	2.602	2.602	13.48	13.48

LDC # 38981A1

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	VJ170607A01 Jack1	06/07/17	cis-1,2-DCE	(FB)	0.384	0.395	0.395	2.9	2.9
			Tetrachloroethene	(CBZ)	0.591	0.568	0.568	3.9	3.9
			1,2,4-TMB	(DCB)	3.244	3.077	3.077	5.1	5.1
2	VJ170607A04 Jack2	06/07/17	cis-1,2-DCE	(FB)	0.549	0.564	0.564	2.7	2.7
			Tetrachloroethene	(CBZ)	0.820	0.842	0.842	2.7	2.7
			1,2,4-TMB	(DCB)	2.386	2.246	2.246	5.9	5.9
3	V08170607N02 V108	06/07/17	cis-1,2-DCE	(FB)	0.295	0.293	0.293	0.7	0.7
			Tetrachloroethene	(CBZ)	0.345	0.332	0.332	3.8	3.8
			1,2,4-TMB	(DCB)	2.602	2.502	2.502	3.8	3.8

LDC #: 36981 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	9.266	93	93	0
1,2-Dichloroethane-d4		9.609	96	96	
Toluene-d8		10.508	105	105	
Bromofluorobenzene		10.781	108	108	

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 #: 38981 A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates 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 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: 12/13

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	200	200	7.0	240	230	120	120	115	115	4	4
Trichloroethene	↓	↓	99	280	270	90	90	86	86	4	4
Benzene	↓	↓	0	210	210	105	105	105	105	0	0
Toluene	↓	↓	↓	210	220	105	105	110	110	5	5
Chlorobenzene	↓	↓	↓	190	200	95	95	100	100	5	5

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.

%R values are rounded off.

LDC #: 38981 A1

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 = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1016858-3,4 LCSD

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	10.0	12	100	100	120	120	18	18
Trichloroethene			9.1	10	91	91	100	100	9	9
Benzene			10	11	100	100	110	110	10	10
Toluene			10	11	100	100	110	110	10	10
Chlorobenzene			9.5	10	95	95	100	100	5	5

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 #: 38981A1

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. 2, QQQ:

Conc. = $\frac{(328667)(10.0)(20)}{(96719)(0.384)(\quad)(\quad)}$

= 1769.9

≈ 1800 ug/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration ( )	Qualification
			1800		

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 19, 2017

SUBJECT: Coney Island, Former Brighton Cleaners, 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 September 29, 2017. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #39521:

SDG #	Fraction
L1733661	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

734 pages-DL

Attachment 1

Category B

LDC #39521 (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	L1733661	09/29/17	10/13/17	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.

V:\LOGIN\PW Grosser\Coney Island\39521ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical, Inc.
Report No.: L1733661
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: October 12, 2017

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-14	L1733661-01	VOC
MW-13	L1733661-02	VOC
MW-12	L1733661-03	VOC
MLW 15-20	L1733661-04	VOC
MLW 35-40	L1733661-05	VOC
MW-15	L1733661-06	VOC*
MW-16	L1733661-07	VOC
MW-11	L1733661-08	VOC
MW-10	L1733661-09	VOC
MW-17	L1733661-10	VOC
DUPE	L1733661-12	VOC
MW-14MS	L1733661-01MS	VOC
MW-14MSD	L1733661-01MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: MW-13 and DUPE

The above-listed water samples were collected on September 20, 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 or 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
05/23/17	ICAL-Gonzo	1,4-Dioxane	0.001 (≥0.005)	MW-14 MW-13 MW-12 MLW 15-20 MLW 35-40 MW-15 MW-16 MW-11 MW-10 MW-17 DUPE	+	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.

The 1,4-dioxane results for the samples listed above were estimated due to response factor exceedance. 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.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
05/24/17	ICV-Gonzo	Dichlorodifluoromethane	42.2	MW-14	SS	J detects/UJ nondetect
		Carbon disulfide	31.4	MW-13	SS	J detects/UJ nondetect
		Acetone	32.0	MW-12	SS	J detects/UJ nondetect
		2-Butanone	33.2	MLW 15-20	SS	J detects/UJ nondetect
		4-Methyl-2-pentanone	30.4	MLW 35-40	SS	J detects/UJ nondetect
		2-Hexanone	39.3	MW-15	SS	J detects/UJ nondetect
				MW-16		
				MW-11		
				MW-10		
				MW-17		
				DUPE		

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.

The dichlorodifluoromethane, carbon disulfide, acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone results for the samples listed above were estimated due to second source verification 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.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
09/27/16	CCV-Gonzo	Dichlorodifluoromethane	26.2	MW-14	XX	J detects/UJ nondetects
		Chloromethane	31.6	MW-13	XX	J detects/UJ nondetects
		Carbon disulfide	35.9	MW-12	XX	J detects/UJ nondetects
		2,2-Dichloropropane	40.2	MLW 15-20	XX	J detects/UJ nondetects
		trans-1,4-Dichloro-2-butene	22.7	MLW 35-40	XX	J detects/UJ nondetects
				MW-15		
				MW-16		
				MW-11		
				MW-10		
				MW-17		
				DUPE		

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.

The dichlorodifluoromethane, chloromethane, carbon disulfide, 2,2-dichloropropane, and trans-1,4-dichloro-2-butene results for the samples listed above were estimated due to continuing calibration 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.

Date	Instrument ID	Compound	CC RRF	Associated Samples		Validation Action
09/27/16	CCV-Gonzo	1,4-Dioxane	0.0016 (≥0.005)	MW-14	+	J detects/UJ nondetects
				MW-13		
				MW-12		
				MLW 15-20		
				MLW 35-40		
				MW-15		
				MW-16		
				MW-11		
				MW-10		
				MW-17		
				DUPE		

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.

The 1,4-dioxane results for the samples listed above were estimated due to 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-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
Chloromethane	50 (64-130)	-	-	MW-14	UJ nondetects
trans-1,4-Dichloro-2-butene	50 (70-130)	50 (70-130)	-		UJ nondetects
2,2-Dichloropropane	140 (63-133)	145 (63-133)	-	MW-14	None
1,2,3-Trichlorobenzene	140 (70-130)	135 (70-130)	-		None
Chloromethane	-	-	27 (≤20)	MW-14	None

- Within limits

The Chloromethane and trans-1,4-Dichloro-2-butene results may be biased low due to low MS/MSD 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.

Validation action was not required for 2,2-dichloropropane and 1,2,3-trichlorobenzene due to high MS/MSD percent recoveries as positive results only are affected and these compounds were not detected in the associated sample.

Validation action was not required for chloroethane due to MS/MSD relative percent difference exceedances 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
WG1046297-3/4	Chloromethane	-	57 (64-130)	-	MW-14 MW-13 MW-12 MLW 15-20 MLW 35-40 MW-15 MW-16 MW-11 MW-10 MW-17 DUPE	UJ nondetects
WG1046297-3/4	2,2-Dichloropropane	140 (63-133)	-	-	MW-14 MW-13 MW-12 MLW 15-20 MLW 35-40 MW-15 MW-16 MW-11 MW-10 MW-17 DUPE	None
WG1046297-3/4	Ethyl ether Bromomethane	- -	- -	24 (≤20) 21 (≤20)	MW-14 MW-13 MW-12 MLW 15-20 MLW 35-40 MW-15 MW-16 MW-11 MW-10 MW-17 DUPE	UJ nondetects UJ nondetects

- Within limits

The chloromethane results may be biased low due to low LCS/LCSD percent recovery. 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.

Validation action was not required for 2,2-dichloropropane due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated samples.

The ethyl ether and bromomethane results for the samples listed above were estimated due to LCS/LCSD relative percent difference 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.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-13 and DUPE were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD
	MW-13	DUPE	
Tetrachloroethene	1.4	1.3	7
Benzene	1.3	1.3	0
Ethylbenzene	1.4	1.4	0
Trichloroethene	0.64	0.58	10
cis-1,2-Dichloroethene	2.7	2.3	16
1,2-Dichloroethene, total	2.7	2.3	16
Carbon disulfide	1.9	5.0U	Not comparable
sec-Butylbenzene	1.7	1.9	11
Isopropylbenzene	2.0	2.2	10
p-Diethylbenzene	5.9	6.6	11

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.

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	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-01D	Date Collected	: 09/20/17 10:30
Client ID	: MW-14	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 15:57
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A11	Instrument ID	: GONZO
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 U	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	28	1.0	0.36	
108-90-7	Chlorobenzene	ND U	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 UJ	5.0	1.4	U
74-83-9	Bromomethane	ND UJ	5.0	1.4	U
75-01-4	Vinyl chloride	200	2.0	0.14	
75-00-3	Chloroethane	2.4 J	5.0	1.4	J
75-35-4	1,1-Dichloroethene	2.1	1.0	0.34	

OCT 19 2017

Initials:

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-01D	Date Collected	: 09/20/17 10:30
Client ID	: MW-14	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 15:57
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A11	Instrument ID	: GONZO
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	ND U	5.0	1.4	U
79-01-6	Trichloroethene	6.0	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	210	5.0	1.4	
540-59-0	1,2-Dichloroethene, Total	210	5.0	1.4	
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	ND UJ	10	2.9	U
75-15-0	Carbon disulfide	ND UJ	10	2.0	U
78-93-3	2-Butanone	ND UJ	10	3.9	U
108-05-4	Vinyl acetate	ND NU	10	2.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND U	5.0	1.4	U
594-20-7	2,2-Dichloropropane	ND UJ	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND U	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

OCT 19 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-01D	Date Collected	: 09/20/17 10:30
Client ID	: MW-14	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 15:57
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A11	Instrument ID	: GONZO
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	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	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	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	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	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND UJ	5.0	1.4	U
110-57-6	trans-1,4-Dichloro-2-butene	ND UJ	5.0	1.4	U

OCT 19 2017

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-02	Date Collected	: 09/20/17 11:15
Client ID	: MW-13	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 14:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A08	Instrument ID	: GONZO
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	0.14	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	1.4	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	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	1.3	0.50	0.16	
108-88-3	Toluene	ND U	2.5	0.70	U
100-41-4	Ethylbenzene	1.4 J	2.5	0.70	J
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	ND U	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

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-02	Date Collected	: 09/20/17 11:15
Client ID	: MW-13	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 14:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A08	Instrument ID	: GONZO
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	0.64	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	2.7	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	2.7	2.5	0.70	
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	5.0	1.5	U
75-15-0	Carbon disulfide	1.9 J	5.0	1.0	J
78-93-3	2-Butanone	ND UJ	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-02	Date Collected	: 09/20/17 11:15
Client ID	: MW-13	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 14:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A08	Instrument ID	: GONZO
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	1.7 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	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND ↓	2.5	0.70	U
98-82-8	Isopropylbenzene	2.0 J	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND U	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 UJ	250	61.	U
105-05-5	p-Diethylbenzene	5.9	2.0	0.70	
622-96-8	p-Ethyltoluene	ND U	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 UJ	2.5	0.70	U

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ALPHA ANALYTICAL

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-03	Date Collected	: 09/20/17 12:00
Client ID	: MW-12	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 14:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A09	Instrument ID	: GONZO
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	1.5	0.50	U
127-18-4	Tetrachloroethene	3.6	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	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	0.83 J	1.0	0.07	J
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-03	Date Collected	: 09/20/17 12:00
Client ID	: MW-12	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 14:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A09	Instrument ID	: GONZO
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	0.44 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	1.7 J	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.7	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	3.9 J	5.0	1.5	J
75-15-0	Carbon disulfide	ND UJ	5.0	1.0	U
78-93-3	2-Butanone	ND UJ	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-03	Date Collected	: 09/20/17 12:00
Client ID	: MW-12	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 14:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A09	Instrument ID	: GONZO
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	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 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 UJ	2.5	0.70	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-04	Date Collected	: 09/20/17 12:22
Client ID	: MLW 15-20	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 15:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A10	Instrument ID	: GONZO
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	0.14	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	7.9	1.0	0.07	
75-00-3	Chloroethane	ND U	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-04	Date Collected	: 09/20/17 12:22
Client ID	: MLW 15-20	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 15:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A10	Instrument ID	: GONZO
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	1.2 J	2.5	0.70	J
79-01-6	Trichloroethene	ND U	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	1.9 J	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	3.1	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	5.0	1.5	U
75-15-0	Carbon disulfide	ND UJ	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-04	Date Collected	: 09/20/17 12:22
Client ID	: MLW 15-20	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 15:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A10	Instrument ID	: GONZO
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	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 UJ	250	61.	U
105-05-5	p-Diethylbenzene	3.9	2.0	0.70	
622-96-8	p-Ethyltoluene	ND U	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 UJ	2.5	0.70	U

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ALPHA ANALYTICAL

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-05	Date Collected	: 09/20/17 12:36
Client ID	: MLW 35-40	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 16:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A12	Instrument ID	: GONZO
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	1.5	0.50	U
127-18-4	Tetrachloroethene	0.56	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	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-05	Date Collected	: 09/20/17 12:36
Client ID	: MLW 35-40	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 16:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A12	Instrument ID	: GONZO
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	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	5.0	1.5	U
75-15-0	Carbon disulfide	ND UJ	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-05	Date Collected	: 09/20/17 12:36
Client ID	: MLW 35-40	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 16:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A12	Instrument ID	: GONZO
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	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 UJ	2.5	0.70	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-06	Date Collected	: 09/20/17 13:00
Client ID	: MW-15	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 17:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A13	Instrument ID	: GONZO
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	1.5	0.50	U
127-18-4	Tetrachloroethene	1.7	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	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-06	Date Collected	: 09/20/17 13:00
Client ID	: MW-15	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 17:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A13	Instrument ID	: GONZO
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	1.4 J	2.5	0.70	J
79-01-6	Trichloroethene	2.2	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	14	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	15 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	2.9 J	5.0	1.5	J
75-15-0	Carbon disulfide	2.8 J	5.0	1.0	J
78-93-3	2-Butanone	ND UJ	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-06	Date Collected	: 09/20/17 13:00
Client ID	: MW-15	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 17:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A13	Instrument ID	: GONZO
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	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 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 UJ	2.5	0.70	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-07D	Date Collected	: 09/20/17 13:30
Client ID	: MW-16	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 17:39
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A14	Instrument ID	: GONZO
Sample Amount	: 2 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	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	ND	2.5	0.90	U
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
542-75-6	1,3-Dichloropropene, Total	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND UJ	12	3.5	U
74-83-9	Bromomethane	ND UJ	12	3.5	U
75-01-4	Vinyl chloride	ND U	5.0	0.36	U
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U

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VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-07D	Date Collected	: 09/20/17 13:30
Client ID	: MW-16	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 17:39
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A14	Instrument ID	: GONZO
Sample Amount	: 2 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	12	3.5	U
79-01-6	Trichloroethene	1.3 J	2.5	0.88	J
95-50-1	1,2-Dichlorobenzene	ND U	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	3.5	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
1330-20-7	Xylenes, Total	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	ND	12	3.5	U
540-59-0	1,2-Dichloroethene, Total	ND	12	3.5	U
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND UJ	25	5.0	U
67-64-1	Acetone	43 J	25	7.3	
75-15-0	Carbon disulfide	6.0 J	25	5.0	J
78-93-3	2-Butanone	ND UJ	25	9.7	U
108-05-4	Vinyl acetate	ND U	25	5.0	U
108-10-1	4-Methyl-2-pentanone	ND UJ	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND U	12	3.5	U
594-20-7	2,2-Dichloropropane	ND UJ	12	3.5	U
106-93-4	1,2-Dibromoethane	ND U	10	3.2	U
142-28-9	1,3-Dichloropropane	ND	12	3.5	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	3.5	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-07D	Date Collected	: 09/20/17 13:30
Client ID	: MW-16	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 17:39
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A14	Instrument ID	: GONZO
Sample Amount	: 2 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	12	3.5	U
104-51-8	n-Butylbenzene	ND	12	3.5	U
135-98-8	sec-Butylbenzene	ND	12	3.5	U
98-06-6	tert-Butylbenzene	ND	12	3.5	U
95-49-8	o-Chlorotoluene	ND	12	3.5	U
106-43-4	p-Chlorotoluene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
87-68-3	Hexachlorobutadiene	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
99-87-6	p-Isopropyltoluene	ND	12	3.5	U
91-20-3	Naphthalene	ND	12	3.5	U
103-65-1	n-Propylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	3.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	3.5	U
123-91-1	1,4-Dioxane	ND UJ	1200	300	U
105-05-5	p-Diethylbenzene	14	10	3.5	
622-96-8	p-Ethyltoluene	ND U	10	3.5	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	2.7	U
60-29-7	Ethyl ether	ND UJ	12	3.5	U
110-57-6	trans-1,4-Dichloro-2-butene	ND UJ	12	3.5	U

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Initials: CP

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-08	Date Collected	: 09/20/17 14:12
Client ID	: MW-11	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 18:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A15	Instrument ID	: GONZO
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	1.5	0.50	U
127-18-4	Tetrachloroethene	0.22 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	0.17	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	ND U	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

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-08	Date Collected	: 09/20/17 14:12
Client ID	: MW-11	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 18:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A15	Instrument ID	: GONZO
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	4.4 J	5.0	1.5	J
75-15-0	Carbon disulfide	ND UJ	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-08	Date Collected	: 09/20/17 14:12
Client ID	: MW-11	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 18:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A15	Instrument ID	: GONZO
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 UJ	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 UJ	250	61.	U
105-05-5	p-Diethylbenzene	ND UJ	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 UJ	2.5	0.70	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-09	Date Collected	: 09/20/17 14:45
Client ID	: MW-10	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 18:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A16	Instrument ID	: GONZO
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	0.14	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	0.21 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	0.17	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 UJ	2.5	0.70	U
74-83-9	Bromomethane	ND UJ	2.5	0.70	U
75-01-4	Vinyl chloride	0.26 U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-09	Date Collected	: 09/20/17 14:45
Client ID	: MW-10	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 18:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A16	Instrument ID	: GONZO
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	1.5 J	5.0	1.5	J
75-15-0	Carbon disulfide	ND UJ	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-09	Date Collected	: 09/20/17 14:45
Client ID	: MW-10	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 18:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A16	Instrument ID	: GONZO
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	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 UJ	2.5	0.70	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-10	Date Collected	: 09/20/17 15:15
Client ID	: MW-17	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A17	Instrument ID	: GONZO
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	0.75 J	2.5	0.70	J
67-66-3	Chloroform	ND U	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	12	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	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	0.34 J	0.50	0.16	J
108-88-3	Toluene	ND U	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	ND U	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-10	Date Collected	: 09/20/17 15:15
Client ID	: MW-17	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A17	Instrument ID	: GONZO
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	4.0	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	2.0 J	2.5	0.70	J
1330-20-7	Xylenes, Total	2.0	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	8.0	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	8.0	2.5	0.70	
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	20 J	5.0	1.5	
75-15-0	Carbon disulfide	1.1	5.0	1.0	J
78-93-3	2-Butanone	3.0	5.0	1.9	J
108-05-4	Vinyl acetate	ND U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

OCT 19 2017

Initials: ER

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-10	Date Collected	: 09/20/17 15:15
Client ID	: MW-17	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 19:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A17	Instrument ID	: GONZO
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	3.4	2.5	0.70	
103-65-1	n-Propylbenzene	ND U	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	0.75 J	2.5	0.70	J
95-63-6	1,2,4-Trimethylbenzene	2.6	2.5	0.70	
123-91-1	1,4-Dioxane	ND UJ	250	61.	U
105-05-5	p-Diethylbenzene	4.2	2.0	0.70	
622-96-8	p-Ethyltoluene	1.3 J	2.0	0.70	J
95-93-2	1,2,4,5-Tetramethylbenzene	2.5	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 UJ	2.5	0.70	U

OCT 19 2017

Initials: ez

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-12	Date Collected	: 09/20/17 00:00
Client ID	: DUPE	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 19:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A18	Instrument ID	: GONZO
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	1.5	0.50	U
127-18-4	Tetrachloroethene	1.3	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	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	1.3	0.50	0.16	
108-88-3	Toluene	ND U	2.5	0.70	U
100-41-4	Ethylbenzene	1.4 J	2.5	0.70	J
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	ND U	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

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Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-12	Date Collected	: 09/20/17 00:00
Client ID	: DUPE	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 19:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A18	Instrument ID	: GONZO
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	0.58	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	2.3 J	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	2.3	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	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 U	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	5.0	1.0	U
74-97-5	Bromochloromethane	ND U	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND UJ	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND U	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

OCT 19 2017

Initials: CT

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1733661
Project Name	: CIR1701	Project Number	: CIR1701
Lab ID	: L1733661-12	Date Collected	: 09/20/17 00:00
Client ID	: DUPE	Date Received	: 09/21/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 09/27/17 19:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: VG170927A18	Instrument ID	: GONZO
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	1.9 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	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND ↓	2.5	0.70	U
98-82-8	Isopropylbenzene	2.2 J	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND U	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 UJ	250	61.	U
105-05-5	p-Diethylbenzene	6.6	2.0	0.70	
622-96-8	p-Ethyltoluene	ND U	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 UJ	2.5	0.70	U

OCT 19 2017

Initials: CR

LDC #: 39521A1
SDG #: L1733661
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/08/17
Page: 1 of 2
Reviewer: PB
2nd Reviewer: KK

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	ND	
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 = 2, 11
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-14	L1733661-01	Water	09/20/17
2	MW-13 D	L1733661-02	Water	09/20/17
3	MW-12	L1733661-03	Water	09/20/17
4	MLW 15-20	L1733661-04	Water	09/20/17
5	MLW 35-40	L1733661-05	Water	09/20/17
6	MW-15	L1733661-06	Water	09/20/17
7	MW-16	L1733661-07	Water	09/20/17
8	MW-11	L1733661-08	Water	09/20/17
9	MW-10	L1733661-09	Water	09/20/17
10	MW-17	L1733661-10	Water	09/20/17
11	DUPE D	L1733661-12	Water	09/20/17
12	MW-14MS	L1733661-01MS	Water	09/20/17
13	MW-14MSD	L1733661-01MSD	Water	09/20/17

LDC #: 39521A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/8/17
SDG #: L1733661 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FT
2nd Reviewer: KR

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14				
15				
16				
17				
18				

Notes:

	WG1046297-5 Blank						

LDC #: 39521A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: KK

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?	A	✓		
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 #: 39521A1

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: KK

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 #: 39521A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: VV

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: ≤20.0%)	Associated Samples	Qualifications
	5/24/17	ICV-GONZO	JJ	42.2	All	J/UJ/A ND+DQ
			G	31.4		
			F	32.0		
			M	33.2		
			Y	30.4		
			Z	39.3		

ICVvoa.wpd

LDC #: 39521A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT
2nd Reviewer: VV

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
	5/23/17	ICAL-60430	HHHH		0.001 (I0.005)	all	J/UJ/A ND

LDC #: 39521A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
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 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
	9/27/16	CCV-G0030	JJ	26.2		all	J/UJ/A ND+RJT
	1016		A	31.6			
			G	35.9			
			~~EE~~	40.2			
			YYYY	22.7			
			HHHH		0.0016 (≥0.005)		

CONCAL.wpd

.LDC #: 39521A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT
2nd Reviewer: VL

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
	12 + 13	A	50 (64-130)	( )	( )	#1	J/UJ/A ND
		C	250 (55-140)	150 (55-140)	( )		P J/UJ/A Det *
		QQQ	250 (70-130)	200 (70-130)	( )		P Det *
		OO	140 (63-133)	145 (63-133)	( )		J/UJ/A ND
		NNN	140 (70-130)	135 (70-130)	( )		ND
		YYYY	50 (70-130)	50 (70-130)	( )		J/UJ/A ND
		A	( )	( )	27 (20)		J/UJ/A ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )	* ND qual parent > 4X spike Amt	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 39521A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
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 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
	WG1046291-	A	( )	57 (64-130)	( )	All	J/NJ/P all ND
	3/4	BB	140 (63-133)	(↓)	( )	↓	Jdet/P
		LLLL	( )	( )	24 (20)		J/UJ/P
		B	( )	( )	21 (20)		↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 39521A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: EZ
2nd Reviewer: KK

METHOD: GCMS VOA (EPA Method 8260C)

Compound	Concentration (ug/L)		RPD≤30%
	2	11	
AA	1.4	1.3	7
V	1.3	1.3	0
EE	1.4	1.4	0
S	0.64	0.58	10
QQQ	2.7	2.3	16
J	2.7	2.3	16
G	1.9	5.0U	NC
EEE	1.7	1.9	11
VV	2.0	2.2	10
p-Diethylbenzene	5.9	6.6	11

LDC #: 39521A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

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	5/24/2017	C (IS 1)	0.300	0.300	0.295	0.295	6.50	
	Gonzo		EE (IS 2)	1.681	1.681	1.631	1.631	6.77	6.77
			BB (IS 3)	0.479	0.479	0.499	0.499	9.42	9.42

LDC #: 39521A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: [signature]

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
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

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 1016	9/27/17	C (1st internal standard)	0.295	0.278	0.278	5.8	5.8
			EE (2nd internal standard)	1.631	1.655	1.655	1.5	1.5
			BB (3rd internal standard)	0.499	0.483	0.483	3.2	3.2
			(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 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 #: 39521A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: KK

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	10.394	104	104	0
1,2-Dichloroethane-d4	↓	10.144	101	101	↓
Toluene-d8		9.719	97	97	
Bromofluorobenzene		9.066	91	91	

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 #: 39521A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: VA

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: 12 + 13

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	20	20	2.1	25	24	115	115	110	110	4	4
Trichloroethene	↓	↓	6.0	27	27	105	105	105	105	0	0
Benzene	↓	↓	ND	20	20	100	100	100	100	0	0
Toluene	↓	↓	ND	21	20	105	105	100	100	5	5
Chlorobenzene	↓	↓	ND	21	20	105	105	100	100	5	5

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 #: 3952/A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer: VU

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: WG1046297-3/4

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	8.0	92	92	80	80	14	14
Trichloroethene	↓	↓	9.4	8.2	94	94	82	82	14	14
Benzene	↓	↓	9.5	8.4	95	95	84	84	12	12
Toluene	↓	↓	9.8	8.6	98	98	86	86	13	13
Chlorobenzene	↓	↓	10.0	8.9	100	100	89	89	12	12

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 #: 39521 A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer: KK

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. = $\frac{1700323 \quad (10.0)\ (2)}{991407 \quad (0.295)}$

= 195 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification
	5ml		200 ug/L		
	2X DL				

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 11, 2018

SUBJECT: Coney Island, Former Brighton Cleaners, 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 January 2, 2018. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #40145:

SDG #	Fraction
L1746240	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

683 pages-DL

Attachment 1

Category B

LDC #40145 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(3) 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	L1746240	01/02/18	01/23/18	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 Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

V:\LOGIN\PW Grosser\Coney Island\40145ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical, Inc.
Report No.: L1746240
Reviewer: Pei Geng and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: January 10, 2018

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-10	L1746240-01	VOC
MW-11	L1746240-02	VOC
MW-12	L1746240-03	VOC
MW-13	L1746240-04	VOC
MW-14	L1746240-05	VOC
MW-15	L1746240-06	VOC
MW-17	L1746240-07	VOC
ML15-20	L1746240-08	VOC
ML35-40	L1746240-09	VOC
DUPE	L1746240-10	VOC
TRIP BLANK	L1746240-11	VOC
FIELD BLANK	L1746240-12	VOC
MW-14MS	L1746240-05MS	VOC
MW-14MSD	L1746240-05MSD	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 December 13, 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-2017-002 (January 2017), 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 or 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
09/28/17	ICAL	1,4-Dioxane	0.001 (≥0.005)	MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-17 ML15-20 ML35-40 DUPE TRIP BLANK FIELD 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.

The 1,4-dioxane results for the samples listed above were estimated due to response factor exceedance. 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
12/19/17	V01171219N02	Chloromethane	36.5	MW-10	XX	UJ nondetects
		Vinyl chloride	25.3	MW-11	XX	J detects/UJ nondetects
		Bromomethane	28.1	MW-12	XX	UJ nondetects
		Acetone	25.9	MW-13	XX	UJ nondetects
		Acrylonitrile	22.9	MW-14	XX	UJ nondetects
		Vinyl acetate	36.8	MW-15	XX	UJ nondetects
		2-Butanone	39.5	MW-17	XX	UJ nondetects
		2-Hexanone	29.1	ML15-20	XX	UJ nondetects
		trans-1,4-Dichloro-2-butene	26.7	ML35-40	XX	UJ nondetects
				DUPE		
				TRIP BLANK		
				FIELD BLANK		

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.

The chloromethane, vinyl chloride, bromomethane, acetone, acrylonitrile, vinyl acetate, 2-butanone, 2-hexanone, and trans-1,4-dichloro-2-butene results for the samples listed above were estimated due to continuing calibration 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.

Date	Instrument ID	Compound	CC RRF	Associated Samples		Validation Action
12/19/17	V01171219N02	1,4-Dioxane	0.00073 (≥0.005)	MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-17 ML15-20 ML35-40 DUPE TRIP BLANK FIELD 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.

The 1,4-dioxane results for the samples listed above were estimated due to response factor 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 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

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed 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	33 (39-139)	-	-	MW-14	UJ nondetects
Vinyl chloride	20 (55-140)	-	-		UJ nondetects
trans-1,4-Dichloro-2-butene	65 (70-130)	64 (70-130)	-		UJ nondetects
1,4-Dioxane	-	-	22 (≤20)	MW-14	None

- Within limits

The bromomethane, vinyl chloride, and trans-1,4-dichloro-2-butene results may be biased low due to low MS/MSD 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.

Validation action was not required for 1,4-dioxane due to MS/MSD relative percent difference exceedance 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
WG1074953-3/4	Chloromethane	-	61 (64-130)	-	MW-10	UJ nondetects
	2-Butanone	62 (63-138)	-	-	MW-11	UJ nondetects
	Vinyl acetate	63 (70-130)	66 (70-130)	-	MW-12	UJ nondetects
					MW-13	
					MW-14	
					MW-15	
					MW-17	
					ML15-20	
					ML35-40	
					DUPE	
					TRIP BLANK	
					FIELD BLANK	

- Within limits

The chloromethane, 2-butanone, and vinyl acetate 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
	MW-14	DUPE	
Tetrachloroethene	36	39	8
Vinyl chloride	67	70	4
1,1-Dichloroethene	0.23	0.24	4
Trichloroethene	10	10	0
cis-1,2-Dichloroethene	120	120	0
1,2-Dichloroethene, total	120	120	0

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.

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	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-01	Date Collected	: 12/13/17 15:36
Client ID	: MW-10	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N09	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	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	UJ
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	0.19	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-01	Date Collected	: 12/13/17 15:36
Client ID	: MW-10	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N09	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-01	Date Collected	: 12/13/17 15:36
Client ID	: MW-10	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N09	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 UJ
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 UJ
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U UJ
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 UJ

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VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-02	Date Collected	: 12/13/17 16:10
Client ID	: MW-11	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 23:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N10	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-02	Date Collected	: 12/13/17 16:10
Client ID	: MW-11	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 23:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N10	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 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 UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U U
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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-02	Date Collected	: 12/13/17 16:10
Client ID	: MW-11	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 23:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N10	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 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 U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U 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 U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-03	Date Collected	: 12/13/17 13:15
Client ID	: MW-12	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N11	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	2.2	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	0.42	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-03	Date Collected	: 12/13/17 13:15
Client ID	: MW-12	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N11	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 U
79-01-6	Trichloroethene	1.3	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
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	1.6	2.5	0.70	J J
540-59-0	1,2-Dichloroethene, Total	1.6	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 U
107-13-1	Acrylonitrile	ND	5.0	1.5	U UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U U
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-03	Date Collected	: 12/13/17 13:15
Client ID	: MW-12	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N11	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
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-04	Date Collected	: 12/13/17 12:23
Client ID	: MW-13	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 00:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N12	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	0.87	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	0.63	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	1.8	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	2.2	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-04	Date Collected	: 12/13/17 12:23
Client ID	: MW-13	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 00:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N12	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	ND	2.5	0.70	U U
79-01-6	Trichloroethene	2.3	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
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	8.2	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	8.2	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U U
107-13-1	Acrylonitrile	ND	5.0	1.5	U UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U U
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-04	Date Collected	: 12/13/17 12:23
Client ID	: MW-13	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 00:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N12	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 U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U U
135-98-8	sec-Butylbenzene	0.78	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	1.3	2.5	0.70	J J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U U
91-20-3	Naphthalene	0.73	2.5	0.70	J J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U 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 UJ
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U U
95-93-2	1,2,4,5-Tetramethylbenzene	1.9	2.0	0.54	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 UJ

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-05	Date Collected	: 12/13/17 11:55
Client ID	: MW-14	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 00:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N13	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	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	36	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	67	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.23	0.50	0.17	J

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-05	Date Collected	: 12/13/17 11:55
Client ID	: MW-14	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 00:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N13	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	10	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	120	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	120	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-05	Date Collected	: 12/13/17 11:55
Client ID	: MW-14	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 00:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N13	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	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-06D	Date Collected	: 12/13/17 14:15
Client ID	: MW-15	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 02:44
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N17	Instrument ID	: VOA101
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
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	1.2	1.0	0.36	
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	2.7	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-06D	Date Collected	: 12/13/17 14:15
Client ID	: MW-15	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 02:44
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N17	Instrument ID	: VOA101
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
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U U
79-01-6	Trichloroethene	1.4	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U 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	11	5.0	1.4	
540-59-0	1,2-Dichloroethene, Total	11	5.0	1.4	
74-95-3	Dibromomethane	ND	10	2.0	U U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U U
107-13-1	Acrylonitrile	ND	10	3.0	U UJ
100-42-5	Styrene	ND	5.0	1.4	U U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U U
67-64-1	Acetone	ND	10	2.9	U UJ
75-15-0	Carbon disulfide	ND	10	2.0	U U
78-93-3	2-Butanone	ND	10	3.9	U UJ
108-05-4	Vinyl acetate	ND	10	2.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U U
591-78-6	2-Hexanone	ND	10	2.0	U UJ
74-97-5	Bromochloromethane	ND	5.0	1.4	U 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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-06D	Date Collected	: 12/13/17 14:15
Client ID	: MW-15	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 02:44
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N17	Instrument ID	: VOA101
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
108-86-1	Bromobenzene	ND	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	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	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	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	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	500	120	U
105-05-5	p-Diethylbenzene	ND	4.0	1.4	U
622-96-8	p-Ethyltoluene	ND	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND	5.0	1.4	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-07D	Date Collected	: 12/13/17 15:07
Client ID	: MW-17	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 03:12
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N18	Instrument ID	: VOA101
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	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	11	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	1.6	10	0.71	J	J
75-00-3	Chloroethane	ND	25	7.0	U	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U	U

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-07D	Date Collected	: 12/13/17 15:07
Client ID	: MW-17	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 03:12
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N18	Instrument ID	: VOA101
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	ND	25	7.0	U
540-59-0	1,2-Dichloroethene, Total	ND	25	7.0	U
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-07D	Date Collected	: 12/13/17 15:07
Client ID	: MW-17	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 03:12
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N18	Instrument ID	: VOA101
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-08	Date Collected	: 12/13/17 13:46
Client ID	: ML15-20	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 01:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N14	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	30	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-08	Date Collected	: 12/13/17 13:46
Client ID	: ML15-20	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 01:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N14	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	1.8	2.5	0.70	J J
79-01-6	Trichloroethene	0.20	0.50	0.18	J J
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
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	10	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	12	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
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U U
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-08	Date Collected	: 12/13/17 13:46
Client ID	: ML15-20	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 01:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N14	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 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 U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U U
95-93-2	1,2,4,5-Tetramethylbenzene	3.8	2.0	0.54	
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-09	Date Collected	: 12/13/17 14:06
Client ID	: ML35-40	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 01:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N15	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	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	0.08	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-09	Date Collected	: 12/13/17 14:06
Client ID	: ML35-40	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 01:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N15	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 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 UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U U
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-09	Date Collected	: 12/13/17 14:06
Client ID	: ML35-40	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 01:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N15	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
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-10	Date Collected	: 12/13/17 00:00
Client ID	: DUPE	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 02:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N16	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	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	39	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	70	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.24	0.50	0.17	J

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-10	Date Collected	: 12/13/17 00:00
Client ID	: DUPE	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 02:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N16	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	10	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	120	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	120	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-10	Date Collected	: 12/13/17 00:00
Client ID	: DUPE	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/20/17 02:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N16	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
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-11	Date Collected	: 12/13/17 00:00
Client ID	: TRIP BLANK	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N07	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	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-11	Date Collected	: 12/13/17 00:00
Client ID	: TRIP BLANK	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N07	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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-11	Date Collected	: 12/13/17 00:00
Client ID	: TRIP BLANK	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N07	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
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

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Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-12	Date Collected	: 12/13/17 16:00
Client ID	: FIELD BLANK	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N08	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	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	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 UJ
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U UJ
75-00-3	Chloroethane	ND	2.5	0.70	U U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U U

JAN 10 2018

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-12	Date Collected	: 12/13/17 16:00
Client ID	: FIELD BLANK	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N08	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	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	UJ
100-42-5	Styrene	ND	2.5	0.70	U	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	U
67-64-1	Acetone	ND	5.0	1.5	U	UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	U
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-05-4	Vinyl acetate	ND	5.0	1.0	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	U
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	U

JAN 10 2018

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1746240
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1746240-12	Date Collected	: 12/13/17 16:00
Client ID	: FIELD BLANK	Date Received	: 12/14/17
Sample Location	: 3140 CONEY ISLAND AVE., B	Date Analyzed	: 12/19/17 22:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01171219N08	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
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 10 2018

Initials: CR

LDC #: 40145A1
SDG #: L1746240
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 1/8/18
Page: 1 of 2
Reviewer: 9
2nd Reviewer: [signature]

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	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW/A	RSD ≤ 20%. r^2 ICV ≤ 30%
IV.	Continuing calibration	SW	CCV ≤ 20%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB=11. FB=12
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS
X.	Field duplicates	SW	D=10+5
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	L1746240-01	Water	12/13/17
2	MW-11	L1746240-02	Water	12/13/17
3	MW-12	L1746240-03	Water	12/13/17
4	MW-13	L1746240-04	Water	12/13/17
5	MW-14	L1746240-05	Water	12/13/17
6	MW-15	L1746240-06	Water	12/13/17
7	MW-17	L1746240-07	Water	12/13/17
8	ML15-20	L1746240-08	Water	12/13/17
9	ML35-40	L1746240-09	Water	12/13/17
10	DUPE	L1746240-10	Water	12/13/17
11	TRIP BLANK	L1746240-11	Water	12/13/17
12	FIELD BLANK	L1746240-12	Water	12/13/17
13	MW-14MS	L1746240-05MS	Water	12/13/17

LDC #: 40145A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 1/8/18
SDG #: L1746240 Category B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: Q
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14	MW-14MSD	L1746240-05MSD	Water	12/13/17
15				
16				
17				
18				
19				

Notes:

	W4074953-5						

LDC #: 40145A1

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: Q
2nd Reviewer: Q

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 #: 40145A1

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: G

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 #: ~~40145A1~~

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: 9
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 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?_____
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
	9/28/17	ICAL	HHHH		0.001 (≥0.005)	All	Y/N/A

LDC #: 40145A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: 9
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) ≤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
	12/19/17	V0117I219NO2	A	36.5		All (dets+ND)	J/UJ/A
			C	25.3			
			B	28.1			
			F	25.9			
			~~GGGG~~	22.9			
			HH	36.8			
			M	39.5			
			I	29.1			
			YYYY	26.7			
			HHHH		0.00073 (>0.005)		

CONCAL.1SC

LDC #: ~~40455A1~~

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: 9
2nd Reviewer: a

METHOD : GC/MS VOA (EPA SW 846 Method 8260B)

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
		13/14	B	33 (39-139)	( )	( )	5 (ND)	J/UJ/A
			C	20 (55-140)	( )	( )		
			YYYY	65 (70-130)	64 (70-130)	( )		
			HHH	( )	( )	22 (≤20)		J dets/A
			RRR	0 (70-130)	( )	( )		No Cmpd >4X
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )	

LDC #: ~~40445A1~~

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: 4
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

~~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
	~~LCS/D NE10T4953-3~~			( )	( )	( )		
				( )	( )	( )		
	LCS/D NE10T4953-3 ~~4~~		A	( )	61 (64-130)	( )	All (ND)	√UJ/P
			M	62 (63-138)	( )	( )		↓
			HH	63 (70-130)	66 (70-130)	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC#: 40145A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: 9
2nd Reviewer:

METHOD: GCMS VOA (Method 8260C)

Compound	Concentration (ug/L)		RPD
	5	10	
AA	36	39	8
C	67	70	4
H	0.23	0.24	4
S	10	10	0
QQQ	120	120	0
J	120	120	0

LDC #: ~~40145A1~~

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: 9
2nd Reviewer: a

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	9/28/17	QQQ (1st internal standard)	0.219	0.219	0.214	0.214	3.99	3.96
			AA (2nd internal standard)	0.299	0.299	0.288	0.288	6.81	6.82
			MMM (3rd internal standard)	0.757	0.757	0.764	0.764	3.13	3.13
			(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 #: 40145A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9
2nd Reviewer: a

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
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

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	VOA1T0191N2	12/19/17	RRR (1st internal standard)	0.214	0.203	0.203	5.1	5.0
			AA (2nd internal standard)	0.288	0.302	0.302	4.9	4.8
			MMM (3rd internal standard)	0.764	0.750	0.760	1.8	1.9
			(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 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 #: 42145A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: A
2nd reviewer: A

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	10.000	10.484	105	105	0
1,2-Dichloroethane-d4		11.600	116	116	
Toluene-d8		9.207	92	92	
Bromofluorobenzene		8.861	89	89	

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 #: 40145A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: Q
2nd Reviewer: Q

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: 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	0.23	10	10	100	98	100	98	0	0
Trichloroethene	↓	↓	10	20	21	100	100	110	110	5	5
Benzene	↓	↓	ND	10	10	100	100	100	100	0	0
Toluene	↓	↓	↓	9.8	9.7	98	98	97	97	1	1
Chlorobenzene	↓	↓	↓	10	9.9	100	100	99	99	1	1

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 #: 40145A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: 9
2nd Reviewer: a

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 = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: W4107 4953-3/-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	10	9.4	9.2	94	94	92	92	2	2
Trichloroethene			10	10	100	100	100	100	0	0
Benzene			9.4	9.2	94	94	92	92	2	2
Toluene			9.2	9.0	92	92	90	90	2	2
Chlorobenzene			9.6	9.5	96	96	95	95	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 #~~40145A~~1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: 9
2nd reviewer: [illegible]

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. 3, AA:

Conc. = $\frac{(17937)(10.0)(1)}{(278989)(0.988)(\quad)(\quad)}$

= 2.2 µg/L

#	Sample ID	Compound	Reported Concentration (µg/L)	Calculated Concentration ( )	Qualification
	3	AA	2.2		

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 5, 2018

SUBJECT: Coney Island, Former Brighton Cleaners, 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 21, 2018. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #41688:

SDG #	Fraction
L1808694	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-2017-002, January 2017
- 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

961 pages-DL DUE 04/11/18 Attachment 1

Category B

LDC #41688 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(3) 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	L1808694	03/21/18	04/11/18	13	0																														
Total	T/CR			13	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	13

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

V:\LOGIN\PW Grosser\Coney Island\41688ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical, Inc.
Report No.: L1808694
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: April 3, 2018

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-10	L1808694-01	VOC
MW-11	L1808694-02	VOC
MW-12	L1808694-03	VOC
MW-13	L1808694-04	VOC
MW-14	L1808694-05	VOC
MW-15	L1808694-06	VOC
MW-16	L1808694-07	VOC
MW-17	L1808694-08	VOC
DUPE	L1808694-09	VOC
FIELD BLANK	L1808694-10	VOC
TRIP BLANK	L1808694-11	VOC
ML-35-40	L1808694-12	VOC
ML-15-20	L1808694-13	VOC
MW-14MS	L1808694-05MS	VOC
MW-14MSD	L1808694-05MSD	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 14, 2018 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-2017-002 (January 2017), 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 or 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
01/30/18	ICAL-VOA122	1,4-Dioxane	0.001 (≥0.005)	MW-14 MW-15 MW-16 MW-17 DUPE FIELD BLANK TRIP BLANK ML-35-40 ML-15-20	+	UJ nondetects
02/09/18	ICAL-Elaine	1,4-Dioxane	0.001 (≥0.005)	MW-10 MW-11 MW-12 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.

The 1,4-dioxane results were estimated due to response factor 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.

Date	Instrument ID	Compound	ICV %D	Associated Samples		Validation Action
02/10/18	ICV-Elaine	Chloromethane	44.4	MW-10 MW-11 MW-12 MW-13	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.

The chloromethane results were estimated due to second source 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
03/19/18	CCV-Elaine	Bromomethane	53.9	MW-10	XX	J detects/UJ nondetects
		Acetone	36.1	MW-11	XX	J detects/UJ nondetects
		Acrylonitrile	22.2	MW-12	XX	J detects/UJ nondetects
		Carbon tetrachloride	21.3	MW-13	XX	J detects/UJ nondetects
		2-Butanone	42		XX	J detects/UJ nondetects
		1,2-Dichloropropane	20.6		XX	J detects/UJ nondetects
		1,4-Dioxane	33.3		XX	J detects/UJ nondetects
		sec-Butylbenzene	21.2		XX	J detects/UJ nondetects
		Hexachlorobutadiene	24.5		XX	J detects/UJ nondetects
		Naphthalene	27.9		XX	J detects/UJ nondetects
		1,2,3-Trichlorobenzene	49.6		XX	J detects/UJ nondetects
03/20/18	CCV-VOA122	Vinyl chloride	31	MW-14	XX	J detects/UJ nondetects
		Chloroethane	20.7	MW-15	XX	J detects/UJ nondetects
		1,4-Dioxane	21.2	MW-16	XX	J detects/UJ nondetects
		Styrene	22.4	MW-17	XX	J detects/UJ nondetects
		Hexachlorobutadiene	20.9	DUPE	XX	J detects/UJ nondetects
				FIELD BLANK		
				TRIP BLANK		
				ML-35-40		
				ML-15-20		

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.

The bromomethane, acetone, acrylonitrile, carbon tetrachloride, 2-butanone, 1,2-dichloropropane, 1,4-dioxane, sec-butylbenzene, hexachlorobutadiene, naphthalene, 1,2,3-trichlorobenzene, vinyl chloride, chloroethane, and styrene results for the samples listed above were estimated due to continuing calibration 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.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
03/19/18	CCV-Elaine	1,4-Dioxane	0.00136 (≥0.005)	MW-10	+	UJ nondetects
				MW-11		
				MW-12		
				MW-13		
03/20/18	CCV-VOA122	1,4-Dioxane	0.00052 (≥0.005)	MW-14	+	UJ nondetects
				MW-15		
				MW-16		
				MW-17		
				DUPE		
				FIELD BLANK		
				TRIP BLANK		
				ML-35-40		
				ML-15-20		

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.

The 1,4-dioxane results were estimated due to response factor 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 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

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed 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
Vinyl chloride	164 (55-140)	-	-	MW-14	J detects
Chloroethane	144 (55-138)	-	-	MW-14	None
Styrene	140 (70-130)	-	-		None
cis-1,2-Dichloroethene	-	40 (70-130)	-	MW-14	J detects

- Within limits

The vinyl chloride result may be biased high due to high MS percent recovery. 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 chloroethane and styrene due to high MS percent recoveries as positive results only are affected and these compounds were not detected in the associated sample.

The cis-1,2-dichloroethene result may be biased low due to low MS/MSD percent recovery. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

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
WG1098544-3/4	Acrylonitrile	-	140 (70-130)	-	MW-10	None
	2-Butanone	140 (63-138)	160 (63-138)	-	MW-11	None
	1,2,3-Trichlorobenzene	150 (70-130)	160 (70-130)	-	MW-12	None
					MW-13	
WG1098544-3/4	Trichloroethene	-	140 (70-130)	-	MW-10	J detects
					MW-12	
					MW-13	
WG1098544-3/4	Trichloroethene	-	140 (70-130)	-	MW-11	None

- Within limits

Validation action was not required for acrylonitrile, 2-butanone, 1,2,3-trichlorobenzene, and trichloroethene for the samples listed above due to high LCS/LCSD percent recoveries as positive results only are affected and these compounds were not detected in the associated samples.

The trichloroethene results for the samples listed above may be biased high due to high LCS/LCSD percent recovery. The results can be used for project objectives as estimated values (J) 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
	MW-14	DUPE	
Tetrachloroethene	84	87	4
Vinyl chloride	99	93	6
1,1-Dichloroethene	0.67	0.73	9
Trichloroethene	21	22	5
cis-1,2-Dichloroethene	250	260	4
1,2-Dichloroethene, total	250	260	4

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	2.5-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	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-01	Date Collected	: 03/14/18 15:10
Client ID	: MW-10	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 16:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A14	Instrument ID	: ELAINE
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	0.14	U	UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	U
127-18-4	Tetrachloroethene	2.4	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	
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	UJ
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	0.16	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-01	Date Collected	: 03/14/18 15:10
Client ID	: MW-10	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 16:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A14	Instrument ID	: ELAINE
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 U
79-01-6	Trichloroethene	0.49	0.50	0.18	J J
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
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 UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
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
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 UJ or
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

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Form 1
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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-01	Date Collected	: 03/14/18 15:10
Client ID	: MW-10	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 16:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A14	Instrument ID	: ELAINE
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	ND	2.5	0.70	U UJ
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 UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U U
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
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 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 U

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-02	Date Collected	: 03/14/18 15:30
Client ID	: MW-11	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 17:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A15	Instrument ID	: ELAINE
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 UJ
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	0.14	U UJ
124-48-1	Dibromochloromethane	ND	0.50	0.15	U U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U U
127-18-4	Tetrachloroethene	0.38	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
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 UJ
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-02	Date Collected	: 03/14/18 15:30
Client ID	: MW-11	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 17:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A15	Instrument ID	: ELAINE
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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-02	Date Collected	: 03/14/18 15:30
Client ID	: MW-11	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 17:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A15	Instrument ID	: ELAINE
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 V
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U VJ
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U V
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 VJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U V
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U V
91-20-3	Naphthalene	ND	2.5	0.70	U VJ
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 VJ
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 VJ
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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-03	Date Collected	: 03/14/18 13:00
Client ID	: MW-12	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 17:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A16	Instrument ID	: ELAINE
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	19	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	0.69	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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-03	Date Collected	: 03/14/18 13:00
Client ID	: MW-12	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 17:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A16	Instrument ID	: ELAINE
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 U
79-01-6	Trichloroethene	2.1	0.50	0.18	J
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
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	7.3	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	7.3	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U U
107-13-1	Acrylonitrile	ND	5.0	1.5	U UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
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
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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-03	Date Collected	: 03/14/18 13:00
Client ID	: MW-12	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 17:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A16	Instrument ID	: ELAINE
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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-04	Date Collected	: 03/14/18 12:30
Client ID	: MW-13	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 18:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A17	Instrument ID	: ELAINE
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	17	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	0.92	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	1.3	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	25	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

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Form 1
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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-04	Date Collected	: 03/14/18 12:30
Client ID	: MW-13	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 18:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A17	Instrument ID	: ELAINE
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	1.8	0.50	0.18	J
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
179601-23-1	p/m-Xylene	0.74	2.5	0.70	J J
95-47-6	o-Xylene	2.9	2.5	0.70	
1330-20-7	Xylenes, Total	3.6	2.5	0.70	J J
156-59-2	cis-1,2-Dichloroethene	9.1	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	11	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 U
107-13-1	Acrylonitrile	ND	5.0	1.5	U UJ
100-42-5	Styrene	ND	2.5	0.70	U U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	3.5	5.0	1.5	J J
75-15-0	Carbon disulfide	ND	5.0	1.0	U U
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
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
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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-04	Date Collected	: 03/14/18 12:30
Client ID	: MW-13	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/19/18 18:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VE180319A17	Instrument ID	: ELAINE
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 J
104-51-8	n-Butylbenzene	ND	2.5	0.70	U U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U UJ
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 UJ
98-82-8	Isopropylbenzene	0.87	2.5	0.70	J J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U U
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	1.4	2.5	0.70	J J
123-91-1	1,4-Dioxane	ND	250	61.	U UJ
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U U
95-93-2	1,2,4,5-Tetramethylbenzene	1.0	2.0	0.54	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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-05D	Date Collected	: 03/14/18 11:55
Client ID	: MW-14	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 10:40
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A08	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	84	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.36	U
563-58-6	1,1-Dichloropropene	ND	6.2	1.8	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	99	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.67	1.2	0.42	J

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-05D	Date Collected	: 03/14/18 11:55
Client ID	: MW-14	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 10:40
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A08	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U U
79-01-6	Trichloroethene	21	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
1330-20-7	Xylenes, Total	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	250	6.2	1.8	J
540-59-0	1,2-Dichloroethene, Total	250	6.2	1.8	
74-95-3	Dibromomethane	ND	12	2.5	U U
96-18-4	1,2,3-Trichloropropane	ND	6.2	1.8	U
107-13-1	Acrylonitrile	ND	12	3.8	U
100-42-5	Styrene	ND	6.2	1.8	U UJ
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-05-4	Vinyl acetate	ND	12	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
594-20-7	2,2-Dichloropropane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
142-28-9	1,3-Dichloropropane	ND	6.2	1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.8	U

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-05D	Date Collected	: 03/14/18 11:55
Client ID	: MW-14	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 10:40
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A08	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U
104-51-8	n-Butylbenzene	ND	6.2	1.8	U
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
95-49-8	o-Chlorotoluene	ND	6.2	1.8	U
106-43-4	p-Chlorotoluene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
87-68-3	Hexachlorobutadiene	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	ND	6.2	1.8	U
103-65-1	n-Propylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.8	U
123-91-1	1,4-Dioxane	ND	620	150	U
105-05-5	p-Diethylbenzene	ND	5.0	1.8	U
622-96-8	p-Ethyltoluene	ND	5.0	1.8	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	5.0	1.4	U
60-29-7	Ethyl ether	ND	6.2	1.8	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-06	Date Collected	: 03/14/18 12:45
Client ID	: MW-15	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A11	Instrument ID	: VOA122
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	3.4	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	1.1	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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-06	Date Collected	: 03/14/18 12:45
Client ID	: MW-15	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A11	Instrument ID	: VOA122
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	0.92	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	3.4	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	3.4	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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-06	Date Collected	: 03/14/18 12:45
Client ID	: MW-15	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A11	Instrument ID	: VOA122
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

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VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-07	Date Collected	: 03/14/18 14:30
Client ID	: MW-16	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A12	Instrument ID	: VOA122
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	0.27	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	4.2	0.50	0.13	
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	0.18	0.50	0.16	J
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	0.82	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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-07	Date Collected	: 03/14/18 14:30
Client ID	: MW-16	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A12	Instrument ID	: VOA122
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	0.22	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	1.5	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.5	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	84	5.0	1.5	
75-15-0	Carbon disulfide	20	5.0	1.0	
78-93-3	2-Butanone	64	5.0	1.9	
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	1.0	5.0	1.0	J
591-78-6	2-Hexanone	3.5	5.0	1.0	J
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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-07	Date Collected	: 03/14/18 14:30
Client ID	: MW-16	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A12	Instrument ID	: VOA122
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 UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U V
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U V
91-20-3	Naphthalene	0.71	2.5	0.70	J J
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
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 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	1.1	2.0	0.54	J 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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-08	Date Collected	: 03/14/18 14:20
Client ID	: MW-17	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A13	Instrument ID	: VOA122
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	1.4	2.5	0.70	J J
67-66-3	Chloroform	ND	2.5	0.70	U 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	1.3	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
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	0.23	0.50	0.16	J J
108-88-3	Toluene	ND	2.5	0.70	U 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	1.5	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U JJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U U

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-08	Date Collected	: 03/14/18 14:20
Client ID	: MW-17	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A13	Instrument ID	: VOA122
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	1.5	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	1.1	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.1	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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-08	Date Collected	: 03/14/18 14:20
Client ID	: MW-17	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 12:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A13	Instrument ID	: VOA122
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	1.0	2.5	0.70	J
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	3.6	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

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-09D	Date Collected	: 03/14/18 00:00
Client ID	: DUPE	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 13:26
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A14	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	87	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.36	U
563-58-6	1,1-Dichloropropene	ND	6.2	1.8	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	93	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.73	1.2	0.42	J

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Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-09D	Date Collected	: 03/14/18 00:00
Client ID	: DUPE	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 13:26
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A14	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U
79-01-6	Trichloroethene	22	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
1330-20-7	Xylenes, Total	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	260	6.2	1.8	
540-59-0	1,2-Dichloroethene, Total	260	6.2	1.8	
74-95-3	Dibromomethane	ND	12	2.5	U
96-18-4	1,2,3-Trichloropropane	ND	6.2	1.8	U
107-13-1	Acrylonitrile	ND	12	3.8	U
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-05-4	Vinyl acetate	ND	12	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
594-20-7	2,2-Dichloropropane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
142-28-9	1,3-Dichloropropane	ND	6.2	1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.8	U

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VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-09D	Date Collected	: 03/14/18 00:00
Client ID	: DUPE	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 13:26
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A14	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U
104-51-8	n-Butylbenzene	ND	6.2	1.8	U
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
95-49-8	o-Chlorotoluene	ND	6.2	1.8	U
106-43-4	p-Chlorotoluene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
87-68-3	Hexachlorobutadiene	ND	6.2	1.8	U UJ
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	ND	6.2	1.8	U
103-65-1	n-Propylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.8	U
123-91-1	1,4-Dioxane	ND	620	150	U UJ
105-05-5	p-Diethylbenzene	ND	5.0	1.8	U
622-96-8	p-Ethyltoluene	ND	5.0	1.8	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	5.0	1.4	U
60-29-7	Ethyl ether	ND	6.2	1.8	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-10	Date Collected	: 03/14/18 15:15
Client ID	: FIELD BLANK	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 09:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A06	Instrument ID	: VOA122
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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-10	Date Collected	: 03/14/18 15:15
Client ID	: FIELD BLANK	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 09:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A06	Instrument ID	: VOA122
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

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VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-10	Date Collected	: 03/14/18 15:15
Client ID	: FIELD BLANK	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 09:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A06	Instrument ID	: VOA122
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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-11	Date Collected	: 03/14/18 00:00
Client ID	: TRIP BLANK	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 10:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A07	Instrument ID	: VOA122
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	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	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	U

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-11	Date Collected	: 03/14/18 00:00
Client ID	: TRIP BLANK	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 10:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A07	Instrument ID	: VOA122
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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-11	Date Collected	: 03/14/18 00:00
Client ID	: TRIP BLANK	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 10:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22180320A07	Instrument ID	: VOA122
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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-12	Date Collected	: 03/14/18 13:30
Client ID	: ML-35-40	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 14:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A16	Instrument ID	: VOA122
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

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Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-12	Date Collected	: 03/14/18 13:30
Client ID	: ML-35-40	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 14:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A16	Instrument ID	: VOA122
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

APR 0 4 2018

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-12	Date Collected	: 03/14/18 13:30
Client ID	: ML-35-40	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 14:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A16	Instrument ID	: VOA122
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

APR 0 4 2018

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-13D	Date Collected	: 03/14/18 13:20
Client ID	: ML-15-20	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 13:54
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A15	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	0.46	1.2	0.45	J
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.36	U
563-58-6	1,1-Dichloropropene	ND	6.2	1.8	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	100	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.56	1.2	0.42	J

APR 04 2018

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-13D	Date Collected	: 03/14/18 13:20
Client ID	: ML-15-20	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 13:54
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A15	Instrument ID	: VOA122
Sample Amount	: 4 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	3.7	6.2	1.8	J
79-01-6	Trichloroethene	0.79	1.2	0.44	J
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
1330-20-7	Xylenes, Total	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	280	6.2	1.8	
540-59-0	1,2-Dichloroethene, Total	280	6.2	1.8	J
74-95-3	Dibromomethane	ND	12	2.5	U
96-18-4	1,2,3-Trichloropropane	ND	6.2	1.8	U
107-13-1	Acrylonitrile	ND	12	3.8	U
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	24	12	3.6	
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-05-4	Vinyl acetate	ND	12	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
594-20-7	2,2-Dichloropropane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
142-28-9	1,3-Dichloropropane	ND	6.2	1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.8	U

ALPHA ANALYTICAL

APR 0 4 2018

Initials: CR

Form 1
VOA

Client	: P. W. Grosser	Lab Number	: L1808694
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1701
Lab ID	: L1808694-13D	Date Collected	: 03/14/18 13:20
Client ID	: ML-15-20	Date Received	: 03/14/18
Sample Location	: CONEY ISLAND	Date Analyzed	: 03/20/18 13:54
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: V22180320A15	Instrument ID	: VOA122
Sample Amount	: 4 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	6.2	1.8	U U
104-51-8	n-Butylbenzene	ND	6.2	1.8	U
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
95-49-8	o-Chlorotoluene	ND	6.2	1.8	U
106-43-4	p-Chlorotoluene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
87-68-3	Hexachlorobutadiene	ND	6.2	1.8	U UJ
98-82-8	Isopropylbenzene	ND	6.2	1.8	U U
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	ND	6.2	1.8	U
103-65-1	n-Propylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.8	U
123-91-1	1,4-Dioxane	ND	620	150	U UJ
105-05-5	p-Diethylbenzene	ND	5.0	1.8	U U
622-96-8	p-Ethyltoluene	ND	5.0	1.8	U U
95-93-2	1,2,4,5-Tetramethylbenzene	2.2	5.0	1.4	J J
60-29-7	Ethyl ether	ND	6.2	1.8	U U
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U U

APR 0 4 2018

Initials: CR

LDC #: 41688A1
SDG #: L1808694
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 4/2/18
Page: 1 of 2
Reviewer: [illegible]
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	SW, SW	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
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 ID
X.	Field duplicates	SW	D = 5, 9
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = bdt
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-10	L1808694-01	Water	03/14/18
2 1	MW-11	L1808694-02	Water	03/14/18
3 1	MW-12	L1808694-03	Water	03/14/18
4 1	MW-13	L1808694-04	Water	03/14/18
5 2	MW-14 2.5X	L1808694-05	Water	03/14/18
6 2	MW-15	L1808694-06	Water	03/14/18
7 2	MW-16	L1808694-07	Water	03/14/18
8 2	MW-17	L1808694-08	Water	03/14/18
9 2	DUPE 2.5X	L1808694-09	Water	03/14/18
10 2	FIELD BLANK	L1808694-10	Water	03/14/18
11 2	TRIP BLANK	L1808694-11	Water	03/14/18
12 2	ML-35-40	L1808694-12	Water	03/14/18
13 2	ML-15-20	L1808694-13	Water	03/14/18

LDC #: 41688A1
SDG #: L1808694
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 4/2/18
Page: 2 of 2
Reviewer: FM
2nd Reviewer: a

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14 2	MW-14MS	L1808694-05MS	Water	03/14/18
15 2	MW-14MSD	L1808694-05MSD	Water	03/14/18
16				
17				
18				
19				
20				

Notes:

1	WG1098594-5						
2	WG1098889-5						

LDC #: 41684A1

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT
2nd Reviewer: G

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 #: 41688A1

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.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 41688A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

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 ≤30/15 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30/15%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	1/30/18	ICAL-VOA122	HHHH		0.001 (≥0.05)	5→15, WG1098889-5	J/UJ/A ND
	2/9/18	ICAL-Elaine	HHHH		0.001 (≥0.05)	1→4, WG1098544-5	J/UJ/A ND

LDC #: 41688A1

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 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
	2/10/18 4:32 AM	ICV-Elaine	A	44.4	1-24, WG1098544-5	J/UJ/A ND

LDC #: 41688A1

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
	3/19/18 1002	CCV-Elaine	B	53.9		1→4, WG1098544-5	J/UJ/A ND+Det
			F	36.1			
			GGGG	22.2			
			D	21.3			
			M	42			
			Q	20.6			
			HHHH	33.3			
			HHHH		0.00136 (I 0.005)		
			EEE	21.2			
			LLL	24.5			
			MMM	27.9			
			NNN	49.6			
	3/20/18 0754	CCV-VOA 122	C	31		5→15, WG1098889-5	J/UJ/A ND+Det
			D	20.7			
			HHHH	21.2			
			HHHH		0.00052 (I 0.005)		
			FF	22.4			
			LLL	20.9			

LDC #: 41688A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

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
+	14 + 15	C	164 (55-140)	( )	( )	5	J det /Δ Det
-		D	144 (55-138)	( )	( )	↓	ND
+		QQQ	( )	40 (70-130)	( )	↓	Det
-		FF	140 (70-130)	( )	( )	↓	ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 41688A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

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
	WG109854 4- 3/4	GGGG	( )	140 (70-130)	( )	1→4, WG109854 4-5	Jdet /P ND
		M	140 (63-138)	160 (63-138)	( )		ND
		S	( )	140 (70-130)	( )		1, 3, 4 Det
		NNN	150 (70-130)	160 (70-130)	( )		ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		

LDC#: 41688A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [signature]

METHOD: GCMS VOA (EPA SW 846 Method 8260B)

Compound	Concentration (ug/L)		RPD ≤ 30%
	5	9	
AA	84	87	4
C	99	93	6
H	0.67	0.73	9
S	21	22	5
QQQ	250	260	4
J	250	260	4

LDC #: 41688A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

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 (RRF30 std)	Recalculated (RRF30 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	1/30/2018	C	0.276	0.276	0.316	0.316	13.87	13.87
	VOA122	ICAL14395	CC	0.777	0.777	0.863	0.863	14.21	14.21
			BB	0.499	0.499	0.535	0.535	13.39	13.39

LDC #: 41688A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GCMS 8260C

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 (RRF30 std)	Recalculated (RRF30 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/9/2018	C	0.186	0.186	0.172	0.172	7.58	7.58
	ELAINE		CC	0.845	0.845	0.809	0.809	7.48	7.48
			BB	0.560	0.560	0.536	0.536	6.99	6.99

LDC #: 41688A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
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
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

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 - Ethine 1002	3/19/18	C (1st internal standard)	0.172	0.177	0.177	2.9	2.9
			CC (2nd internal standard)	0.809	0.804	0.804	0.6	0.6
			BB (3rd internal standard)	0.536	0.528	0.528	1.5	1.5
			(4th internal standard)					
2	CCV - VOA122	3/20/18	C (1st internal standard)	0.316	0.414	0.414	31	31
			CC (2nd internal standard)	0.863	0.904	0.904	4.8	4.8
			BB (3rd internal standard)	0.535	0.615	0.615	15	15
			(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 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 #: 41688A1

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: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.292	103	103	0
1,2-Dichloroethane-d4	↓	11.363	114	114	↓
Toluene-d8		9.056	91	91	
Bromofluorobenzene		8.947	89	89	

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 #: 41688A1

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: 14 & 15

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	----- 0.6675	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	25	25	0.67	31 30.71	29 29.925	124	120	116	115	7	5
Trichloroethene	↓	↓	21 21.35	48 47.8	46 45.95	108	106 F1	100 F1	99	4	4
Benzene			ND	28 27.54	27 26.61	112	110	108	106	4	3 F1
Toluene			ND	29 29.35	28 28.05	116	114	112	112	4	4
Chlorobenzene			ND	29 29.04	28 27.69	116	116	112	111	4	5 F1

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 #: 41688A1

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 = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1098889-3/4

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	10	9.9	100	100	99	99	1	1
Trichloroethene	↓	↓	9.3	9.1	93	93	91	91	2	2
Benzene			10	9.8	100	100	98	98	2	2
Toluene			10	10	100	100	100	100	0	0
Chlorobenzene			10	10	100	100	100	100	0	0

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 #: 41688A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
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

Conc. = $\frac{(186419)(10)(2.5)}{(1490191)(0.316)}$

=

98.97 ug/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#5	C	99	99	