



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No. **C224157** **Site Details** **Box 1**

Site Name **Former Brighton Cleaners**

Site Address: 3140 Coney Island Ave Zip Code: 11235
City/Town: Brooklyn
County: Kings
Site Acreage: 0.090

Reporting Period: March 18, 2018 to March 18, 2019

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

	Box 2	
	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? ☐ YES ☒ NO

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? ☒ YES ☐ NO
(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**ParcelOwnerInstitutional 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**ParcelEngineering 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)

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 complete.

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C224157

Box 6

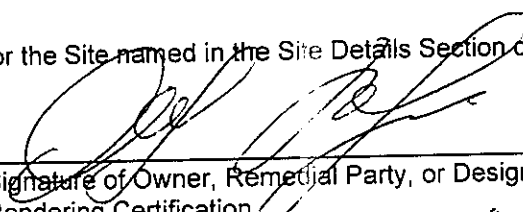
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Oleg BLINSKIN at 3140 Conkey Island Ave Bklyn NY 11235
print name print business address

am certifying as _____ (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

3-24-19

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
(Owner or Remedial Party)

Paul Boyce

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



Stamp
(Required for PE)

04.09.19

Date

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

PERIODIC REVIEW REPORT

March 19, 2018 through April 17, 2019



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: CIR1901

April 2019

TABLE OF CONTENTS

Page

1.0	INTRODUCTION	1
1.1	Site Location and Description	1
2.0	O&M PLAN COMPLIANCE	1
3.0	GROUNDWATER MONITORING AND SAMPLING	2
3.1	Groundwater Monitoring	3
3.1.1	Groundwater Sampling	3
3.1.2	Sampling Protocol	4
3.1.3	Analytical Results	4
4.0	SOIL VAPOR EXTRACTION SYSTEM MONITORING AND SAMPLING	5
4.1	Vacuum Monitoring Points	6
4.2	SVE System Inspection and Sampling	6
4.2.1	Sampling Protocol	6
4.2.2	Analytical Results	6
5.0	DATA USABILITY SUMMARY	7
6.0	ADDITIONAL ECs AND ICs	8
6.1	Composite Cover System	8
6.2	In-Situ Chemical Oxidant Injections	8
6.3	Institutional Controls	8
7.0	CONCLUSIONS	9
8.0	REFERENCES	10

FIGURES

Figure 1	Vicinity Map
Figure 2	Monitoring Well Network
Figure 3	Monitoring Well Network – March 6, 2019
Figure 4	Historic Groundwater Sample Locations

TABLES

Table 1	Monitoring Well Field Data – April 2018 through March 2019
Table 2A	Groundwater Analytical Results – September 2018
Table 2B	Groundwater Analytical Results – March 2019
Table 3	Historic Groundwater Concentrations
Table 4	SVE Analytical Results – Since System Start-Up
Table 5	Contaminant Mass Removal Calculations – Since System Start-Up

CHARTS

Chart 1	GW – CVOCs Per Well Over Time
Chart 2	GW – CVOCs Across All Wells Over Time
Chart 3	SVE – Influent VOCs



APPENDICES

Appendix A	Annual Site Inspection Form
Appendix B	Well Sampling Logs – September 2018 and March 2019
Appendix C	Laboratory Analytical Results – September 2018 and March 2019
Appendix D	Monthly System Performance Logs – April 2018 through March 2019
Appendix E	Rotron Blower Curve
Appendix F	Data Usability Summary Report – September 2018 and March 2019

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

Name

0741604

PE License Number

Paul Boyce

Signature

04.09.19

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 revised July 17, 2018 and NYSDEC DER-10 Section 6.3. The SMP was updated following approval by NYSDEC of recommendations within the 2017 Periodic Review Report which will be further discussed below. This report covers Site activities from March 18, 2018 through March 18, 2019.

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 located 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 is currently used as a six story medical office building with limited on-site parking. Prior to the current use, the site was utilized as a drycleaner between approximately 1950 and 2007. A site plan is depicted on **Figure 2**.

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

The SMP was revised on July 17, 2018 based upon the recommendations provided in the Groundwater Sampling Frequency Reduction letter prepared by PWGC on June 26, 2018 and approved by the NYSDEC on July 17, 2018. The revisions included:

- Reduction of groundwater monitoring and sampling frequency from quarterly to semi-annually (March and September).
- Reduction of the reporting schedule from quarterly to semi-annually (April and October).



In accordance with the July 2018 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	Semi Annual
Groundwater, Vapor, and ISCO Monitoring Well Repairs, Replacement, and Decommissioning	Annual
Soil Vapor Extraction (SVE) System Effluent Sampling	Annual
SVE System Operational Data	Monthly
Vacuum Monitoring Wells	Quarterly
Sub-Slab Depressurization System (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, the SVE system has been sampled during twelve events, as discussed in Section 4. Monthly monitoring of the SVE system operation data began in March 2016, as discussed in Section 4. Groundwater sampling was reduced to a semi-annual basis with two rounds of sampling conducted during this reporting period, as discussed in Section 3. Status 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 6, 2019 site visit, PWGC personnel evaluated the above listed ECs which are discussed within their respective sections of this PRR. The site remedy continues to be protective of public health and the environment and is performing as designed in the Remedial Action Work Plan and Final Engineering Report. A copy of the annual site inspection report is included as **Appendix A**.

3.0 GROUNDWATER MONITORING AND SAMPLING

During the reporting period for this PRR, groundwater sampling activities were performed on the following dates: September 5, 2018, and March 6, 2019. Monitoring wells and manhole covers were inspected for integrity; no deficiencies were identified at the time of inspection. During the March 6, 2019 sampling effort,

following the inspection, the manhole cover on well MW-14 broke and was replaced during the next site visit on April 1, 2019. The J-plug was in place for the well.

3.1 Groundwater Monitoring

Groundwater monitoring of the wells consisted of collecting and recording depth to water, depth to light non-aqueous phase liquid (LNAPL), LNAPL thickness, and total well depth measurements for nine groundwater monitoring wells, including the two shallowest wells in the multi-level well, at the Site. Water levels were collected using a Solinst Oil / Water Interface Probe or equivalent. **Figure 3** 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**. LNAPL was not observed during this reporting period.

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 September 2018 sampling event which is the typical observation for this site; however, during the March 2019 sampling event, the off-site groundwater wells exhibited a markedly higher elevation than the on-site groundwater wells of approximately half a foot, indicating a flow direction in a northerly direction towards the bay as opposed to the estimated regional flow direction south towards the ocean. As this is not a typical observation for the site, PWGC will continue monitoring the groundwater elevations to determine if this is an anomalous reading.

3.1.1 Groundwater Sampling

During the September 2018 sampling event, groundwater samples were collected from nine of the ten monitoring wells, including the two shallowest intervals of the multi-level monitoring well. A sample could not be collected from MW-16 due to the low water level in the well which is a recurring issue due to the well's shallow depth of installation. During the March 2019 sampling event, groundwater samples were collected from seven of the ten monitoring wells. Samples could not be collected from MW-15, MW-16, or MW-17 due to the limited volume of groundwater in the wells and the lack of groundwater recharge into the wells. Although wells MW-15 and MW-17 contained more water during the March 2019 sampling event than the September 2018 sampling event, the colder weather may have contributed to the difficulty in obtaining samples from these wells.



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.

3.1.2 Sampling Protocol

Wells were purged using either a decontaminated submersible pump or a check valve fitted with disposal polyethylene tubing under low flow conditions. During purging, 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, a New York State Department of Health Environmental Laboratory Approval Program certified laboratory, under chain-of-custody seal. Copies of the groundwater sampling data sheets containing the field parameters recorded and purge volumes for each sampling point during this reporting period are attached in **Appendix B**.

In addition to the routine samples, MS/MSD samples and blind duplicate samples were collected during each sampling event. Each sample was analyzed for the presence of VOCs by EPA method 8260. The blind duplicate in the September 2018 sampling event was from MW-13 and the blind duplicate from the March 2019 sampling event was from MW-12.

3.1.3 Analytical Results

Analytical results for the two sampling events during this reporting period are summarized on **Tables 2A and 2B**. The compounds exceeding AWQS consisted of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC). There were no other exceedances of AWQS.

There were no exceedances of AWQS in the two off-site wells, MW-10 and MW-11, or in on-site wells MW-12, MW-17, or MLWell1 (35-40'). Concentrations in MW-13, MW-14, MW-15, and MLWell1 (15-20') 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. During this reporting period, total CVOCs in MW-14 in September 2018

and March 2019 were 656 µg/L and 692 µg/L, respectively. 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 175.4 µg/L in MLWell1 (15-20') and no other well, since routine monitoring began in October 2015, has had a CVOC concentration greater than 500 µg/L. 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 4**. Laboratory analytical reports for each of the sampling events during this PRR reporting period are included as **Appendix C**.

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 since remediation began. MW-14 has shown a slight increase in CVOC concentrations during the last two sampling events. Overall, CVOC concentrations have continued to decrease significantly since the removal of the source material and chemical oxidant applications.

4.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING AND SAMPLING

The SVE system has been operating within normal parameters during this reporting period. The SVE system experienced one unexpected shutdown of approximately 11 days due to electrical work within the building; the system was restarted on May 31, 2018 and no additional shutdowns or non-routine maintenance occurred. Parameter readings collected during this reporting period were within range of their expected values.

PWGC performed routine SVE system performance monitoring which included the following activities:

- Visual inspections of the SVE components.
- Collection of vacuum readings from the on-Site vacuum monitoring points.
- Collection of the annual system effluent sample.

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 sample collection effort was performed on July 19, 2018; analytical results are included in **Appendix C**.

4.1 Vacuum Monitoring Points

The vacuum readings have been collected on a minimum of a quarterly basis; copies of the system performance logs during the PRR reporting period are included as **Appendix D**. Negative pressure was recorded in each monitoring point, typically at a minimum of -0.02 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.

4.2 SVE System Inspection and Sampling

SVE system inspections and collection of system operational parameters were conducted on a minimum of a quarterly basis. PWGC inspected the components of the SVE system for optimal performance, including inspecting the moisture separator and the filter. SVE system gauge readings were collected and are included on the system performance logs in **Appendix D**. As of March 6, 2019, the SVE system has operated for a total of 28,075 hours (approximately 1,170 days of the total 1,212 days since system start-up).

Annual sampling of the SVE system was conducted on July 19, 2018. Following logging of the system parameters, the effluent sample was collected from the SVE system.

4.2.1 Sampling Protocol

The effluent SVE system sample was collected using a laboratory cleaned 2.7-liter SUMMA vacuum canister and was collected as a grab sample. The canister was transported under proper chain of custody procedures to Alpha for analysis by USEPA method TO-15 for VOCs.

4.2.2 Analytical Results

As shown on **Table 4**, the effluent sample contained detectable concentrations of several compounds, most notably three of the chlorinated solvents of concern: PCE (746 $\mu\text{g}/\text{m}^3$), TCE (26.1 $\mu\text{g}/\text{m}^3$), and DCE (26.1 $\mu\text{g}/\text{m}^3$). VC was not detected. The PCE and TCE concentrations are on the same order of magnitude as has been observed during the last three sampling events and DCE continues to decrease. **Chart 3** illustrates the SVE system influent concentrations over time and includes total VOC (TVOC) concentrations, as well as the concentrations of the four chlorinated compounds of concern. The influent samples were used from system start-up through the June 2017 sampling event and effluent concentrations since the carbon drum was removed in August 2017. To illustrate that the increase in TVOCs during the 2017 sampling event was the result of increases in acetone and 2-butanone, typical laboratory contaminants, a new total CVOC (TCVOC) line was added to the chart. TVOC/TCVOC concentrations have decreased significantly since system start-up; however, a slight increase in TCVOs, due to a slight increase in PCE, has been observed over the last two

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

A total of 20.2413 pounds of TVOCs have been successfully removed from the subsurface since system start-up on November 10, 2015. Mass contaminant removal calculations are included on **Table 5**. Based upon the determination that acetone and 2-butanone in the June 2017 influent sample was the result of laboratory contamination, the SVE Influent TVOC concentration for June 1, 2017 was modified by subtracting the acetone and 2-butanone concentrations from the TVOC concentration. This modified concentration ($1,135 \mu\text{g}/\text{m}^3$) reduces the total pounds removed between the March and June 2017 sampling events and the June 2017 to July 2018 sampling event. 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 E**.

5.0 DATA USABILITY SUMMARY

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

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



A copy of LDC's data usability summary reports during this reporting period is included as **Appendix F. Tables 2A and 2B** 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 MW-17 which was conducted in 2017. 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 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, 2018 through March 18, 2019 in accordance with the Site Management Plan and NYSDEC DER-10 Section 6.3.

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

- The SVE system was restarted on May 31, 2018 following an 11 day outage due to electrical maintenance in the building.

During this reporting period, groundwater samples were collected on a semi-annual basis for a total of two sampling events. Analytical results revealed concentrations in MW-13, MW-14, MW-15, and ML Well (15-20') have exceeded AWQS during one or more of the sampling events. The compounds exceeding AWQS consisted of PCE, TCE, DCE, and 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 July 19, 2018. During this reporting period, the PCE concentration (746 $\mu\text{g}/\text{m}^3$) was significantly lower than it was when the SVE system was started (5,530 $\mu\text{g}/\text{m}^3$). PCE has consistently been the highest CVOC concentration observed in the influent samples with DCE, TCE, and VC observed at lower concentrations or less than detection limits.

As of March 6, 2019, the system has been operating for 28,075 hours. Since the sampling event in July 2018, a total of 20.2413



pounds of TVOCs have been successfully removed from the subsurface. The PCE and TCE concentrations are on the same order of magnitude as has been observed during the last three sampling events and DCE continues to decrease.

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 semi-annual groundwater monitoring and sampling. The next sampling event will be in September 2019.
- Continue quarterly vacuum point monitoring.
- Continue annual sampling of the SVE effluent port with the next sampling event occurring in June 2019.
- Continue semi-annual reporting with the next report submitted in October 2019.

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, updated July 17, 2018.
- P.W. Grosser Consulting Engineer & Hydrogeologist, PC, Final Engineering Report BCP #C224157, December 2015.



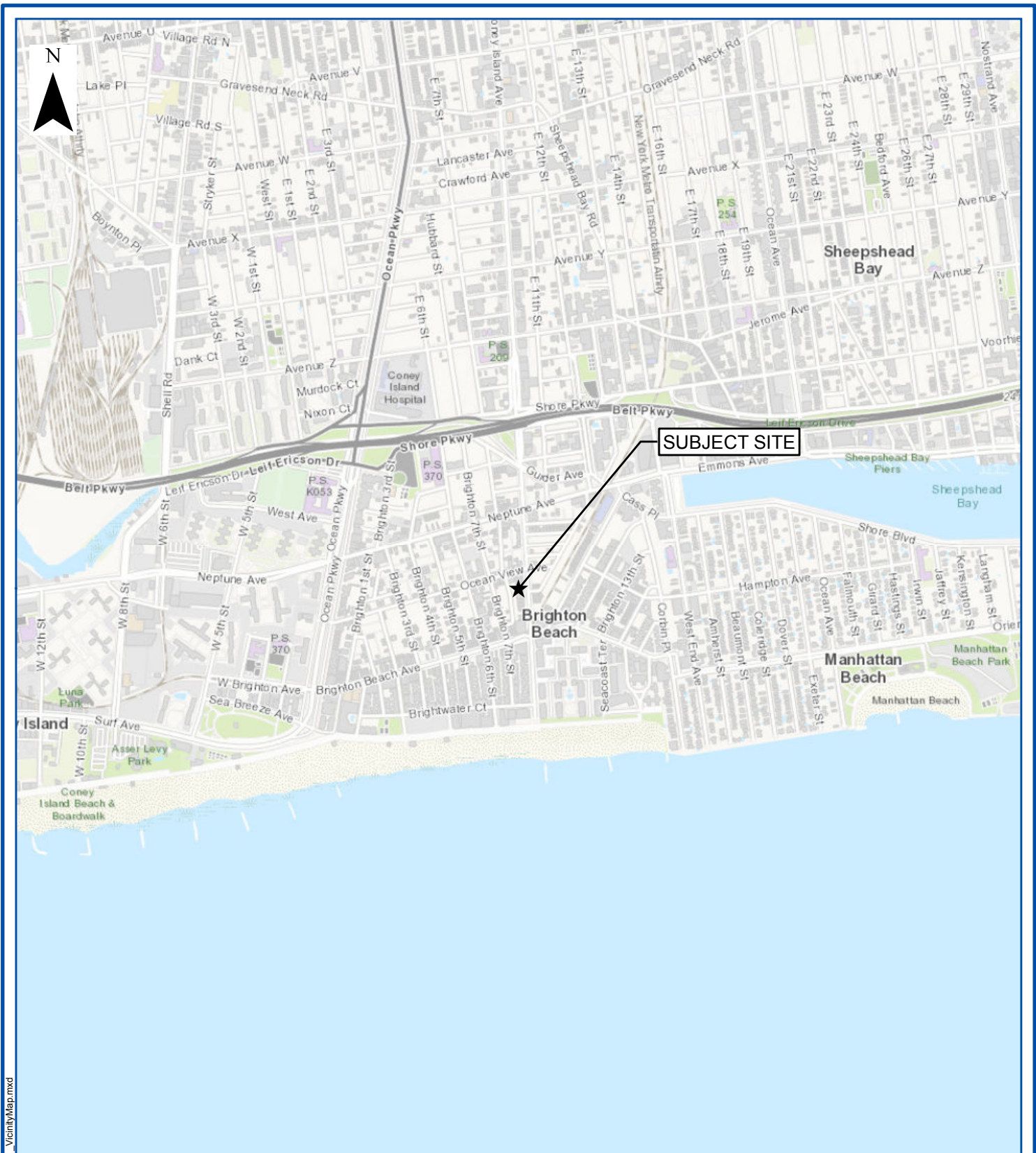
FIGURES

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
PWGROSSER.COM

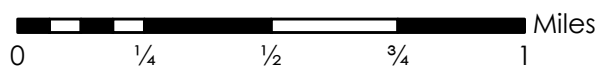
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

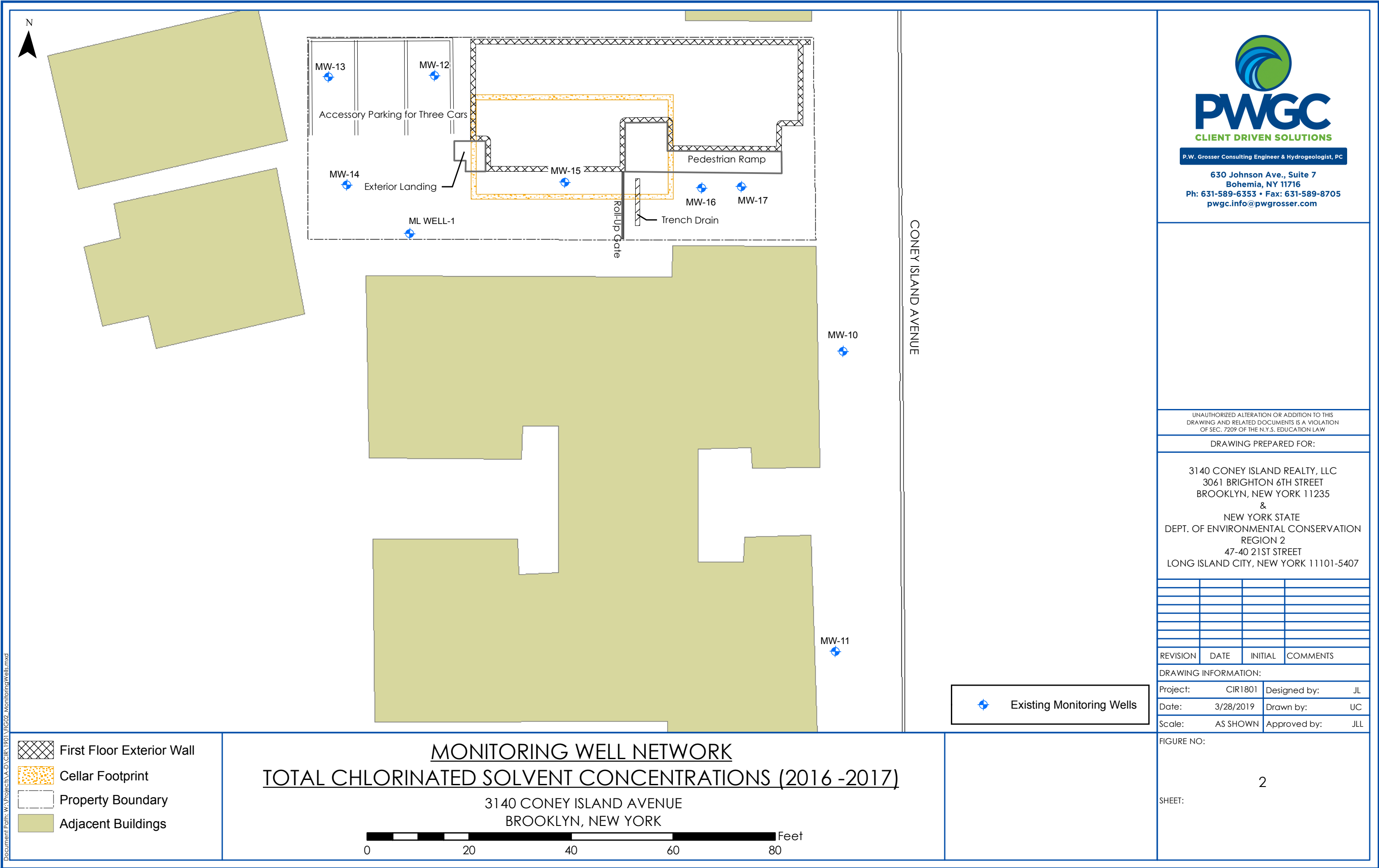


SITE LOCATION

3140 CONEY ISLAND AVE
BROOKLYN, NY



Project:	CIR1901
Date:	3/28/2019
Designed by:	JLL
Drawn by:	TS
Approved by:	JLL
Figure No:	1



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

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	CIR1801	Designed by:	JL
Date:	3/28/2019	Drawn by:	UC
Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

2

SHEET:



Location	MW-13				
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019
DCE	2.7	J	8.2	9.1	13
PCE	1.4		0.87	17	11
TCE	ND		ND	3.3	1.6
VC	0.64		2.2	J	25

Location	MW-14				
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019
DCE	210	120	250	470	540
PCE	28	36	84	33	J
TCE	6	10	21	13	11
VC	200	67	J	99	140

Location	ML-Well1 (15-20')				
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019
DCE	1.9	J	10	280	45
PCE	ND		ND	0.62	3.5
TCE	ND		ND	0.5	2.9
VC	7.9	30	J	100	50

Location	ML-Well1 (35-40')				
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019
DCE	ND	ND	ND	2.1	J
PCE	ND	ND	ND	0.77	0.29
VC	ND	ND	ND	ND	0.81

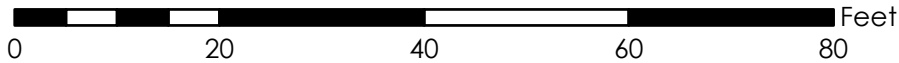
NOTES:
0.73' Groundwater elevation (in feet) based upon arbitrary datum.
Concentrations (in µg/L)
NC - Not collected
ND - Non detect
J - Estimated
DCE - cis-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
VC - Vinyl Chloride

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

- First Floor Exterior Wall
- Cellar Footprint
- Property Boundary
- Adjacent Buildings

MONITORING WELL NETWORK - March 6, 2019

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK



Location	MW-12				
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019
DCE	1.7	J	1.6	J	7.3
PCE	3.6		2.2		19
TCE	ND		ND		0.82
VC	ND		ND		0.44

Location	MW-17				
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019
DCE	8	ND	1.1	J	1.1
PCE	12	11	1.3		1.6
TCE	4	11	1.5		1.3
VC	ND	ND	ND		ND

Location	MW-16		
Sampling Date	9/20/2017	3/14/2018	3/6/2019
VC	ND	0.82	J

Location	MW-10	
Sampling Date	3/6/2019	
PCE	2.5	
TCE	0.64	

Location	MW-11	
Sampling Date	3/6/2019	
TCE	0.28	J

Existing Monitoring Well



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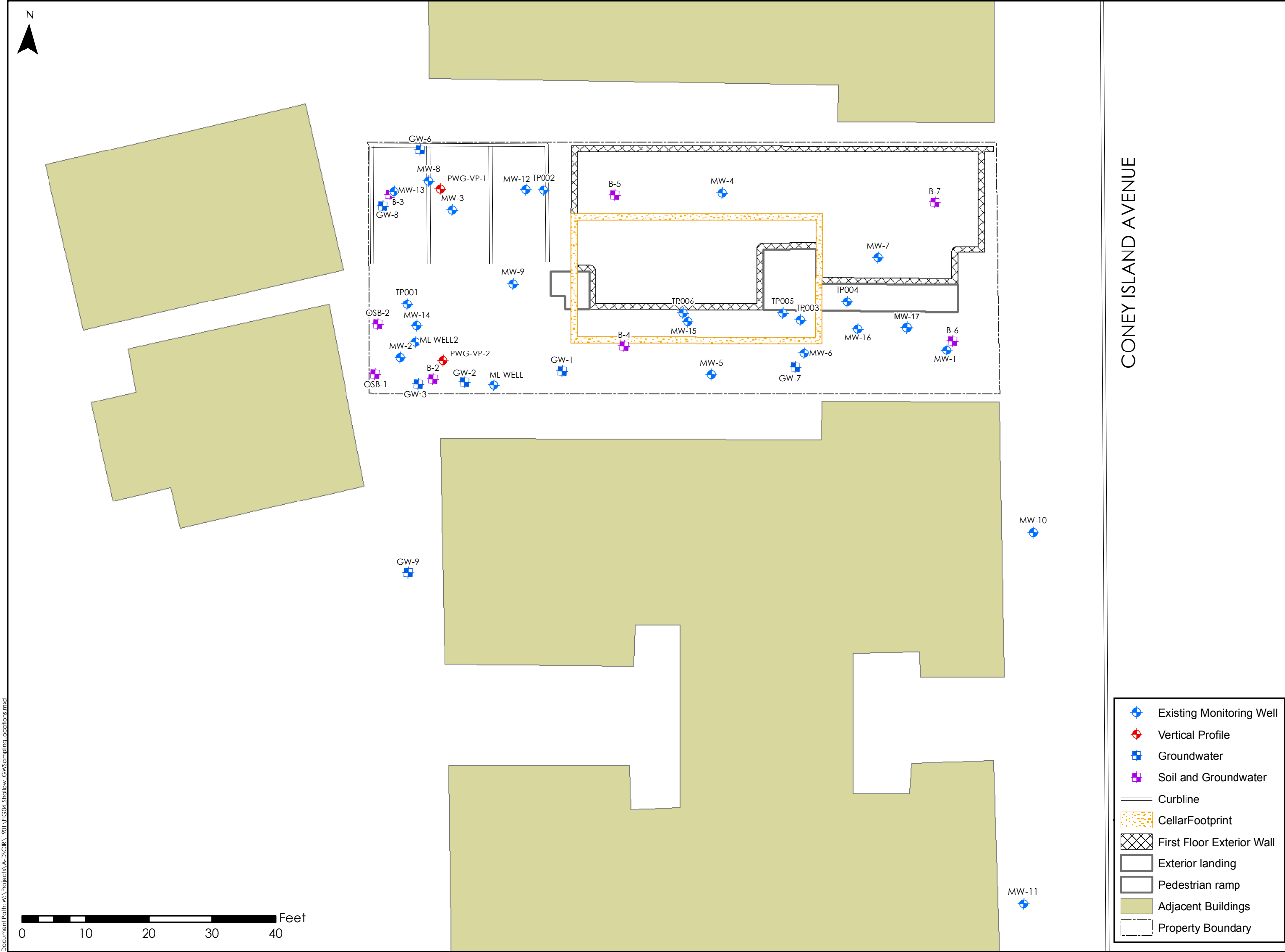
REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	CIR1901	Designed by:	JLL
Date:	3/29/2019	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

3





PWGC
CLIENT DRIVEN SOLUTIONS

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SHALLOW GROUNDWATER SAMPLE LOCATIONS

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

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47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	CIR1201	Designed by:	JLL
Date:	3/27/2019	Drawn by:	WY
Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

4

SHEET:



TABLES

CLIENT DRIVEN SOLUTIONS

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630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

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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
September 5, 2018						
MW-10	9.60	13.92	NP	8.88	0.00	0.72
MW-11	9.73	14.73	NP	9.00	0.00	0.73
MW-12	9.65	12.50	NP	8.94	0.00	0.71
MW-13	9.89	13.23	NP	9.10	0.00	0.79
MW-14	9.85	12.60	NP	9.12	0.00	0.73
MW-15	2.49	4.60	NP	3.95	0.00	-1.46
MW-16	10.25	NM	NM	NM	NM	NM
MW-17	NM	11.48	NP	9.59	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.32	0.00	1.20
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
March 6, 2019						
MW-10	9.60	13.29	NP	8.38	0.00	1.22
MW-11	9.73	14.73	NP	8.39	0.00	1.34
MW-12	9.65	12.50	NP	8.80	0.00	0.85
MW-13	9.89	13.23	NP	9.03	0.00	0.86
MW-14	9.85	12.60	NP	9.02	0.00	0.83
MW-15	2.49	4.60	NP	3.47	0.00	-0.98
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.53	NP	9.55	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.13	0.00	1.39
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

Each well is installed near the street surface except MW-15 which is installed in the basement.

Table 2A
September 2018
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC ⁽¹⁾ Ambient Water Quality Standards	MW-10 9/5/2018 L1835036-01	MW-11 9/5/2018 L1835036-02	MW-12 9/5/2018 L1835036-03	MW-13 9/5/2018 L1835036-04	MW-14 9/5/2018 L1835036-05	MW-15 9/5/2018 L1835036-06	MW-16 9/5/2018 NC	MW-17 9/5/2018 L1835036-07	MLWell1 (15-20') 9/5/2018 L1835036-08	MLWell1 (35-40') 9/5/2018 L1835036-9	DUPE 9/5/2018 L1835036-10
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	2 U	0.5 U	NC	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	6 U	1.5 U	NC	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	10 U	2.5 U	NC	0.72 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	1.1 J	0.5 U	NC	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	10 U	2.5 U	NC	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	10 UJ	2.5 UJ	NC	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	1.1 J	8 U	2 U	NC	3.9	4.3	2 U	2.3
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	8 U	2 U	NC	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	2 U	0.5 U	NC	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	4 U	1 U	NC	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	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 UJ	250 UJ	250 UJ	250 UJ	1,000 UJ	250 UJ	NC	250 UJ	250 UJ	250 UJ	250 UJ
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	10 UJ	2.5 UJ	NC	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
2-Butanone	50	5 U	5 U	5 U	5 U	20 U	5 U	NC	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	20 U	5 U	NC	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	20 U	5 U	NC	5 U	5 U	5 U	5 U
Acetone	50	3.2 J	1.8 J	3.4 J	3.2 J	20 U	2.2 J	NC	5 U	1.5 J	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	20 U	5 U	NC	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.48 J	2 U	0.5 U	NC	0.16 J	0.5 U	0.5 U	0.65 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	2 U	0.5 U	NC	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	8 U	2 U	NC	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	10 UJ	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	5 U	5 U	5 U	5 U	20 U	5 U	NC	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	2 UJ	0.5 U	NC	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	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	2.5 U	2.5 U	2.5 U	2.5 U	10 UJ	2.5 UJ	NC	2.5 UJ	2.5 U	2.5 U	2.5 UJ
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	1.4 J	13	470	10	NC	1.1 J	45	2.1 J	14
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	NC	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	2 U	0.5 U	NC	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	20 U	5 U	NC	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 UJ	5 UJ	5 UJ	5 UJ	20 UJ	5 UJ	NC	5 UJ	5 UJ	5 UJ	5 UJ
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	1.2 J	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	1.3 J
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	10 UJ	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	0.85 J	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	1 J
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	2.5 U	NC	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	10 UJ	2.5 UJ	NC	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 UJ	NC	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Naphthalene	10	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 UJ	NC	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
p-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	8 UJ	2 U	NC	0.75 J	2 U	2 U	2 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	8 UJ	2 U	NC	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	10 UJ	2.5 U	NC	2.5 U	2.5 U	2.5 U	0.91 J
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 UJ	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.38 J	0.5 U	4.9	11	33 J	0.49 J	NC	1.6	0.62	0.77	10
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	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	10 U	0.72 J	NC	2.5 U	2.1 J	2.5 U	0.75 J
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	NC	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	2.5 U	10 UJ	2.5 UJ	NC	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Trichloroethene	5	0.49 J	0.5 U	0.82	3.3	13	3.9	NC	1.3	0.5	0.5 U	3.7
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NC	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 UJ	5 UJ	5 UJ	5 UJ	20 UJ	5 U	NC	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.15 J	1 UJ	0.44 J	2.4 J	140 J	2.7	NC	1 UJ	50	1 UJ	2.8
Total VOCs:		4.22	1.8	10.96	36.53	657	20.01	NC	9.53	104.02	2.87	37.41
Total Chlorinated VOCs: ⁽¹⁾		1.02	0	7.56	29.7	656	17.09	NC	4	96.12	2.87	30.5

Notes:
(1) NYSDC 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 NYSDC AWQS

Table 28
March 2019
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC (1) Ambient Water Quality Standards	MW-10 3/6/2019 L1908838-06	MW-11 3/6/2019 L1908838-07	MW-12 3/6/2019 L1908838-08	MW-13 3/6/2019 L1908838-09	MW-14 3/6/2019 L1908838-10	MW-15 3/6/2019 NC	MW-16 3/6/2019 NC	MW-17 3/6/2019 NC	ML (15-20') 3/6/2019 L1908838-04	ML (35-40') 3/6/2019 L1908838-05	Field Blank 3/6/2019 L1908838-01	Trip Blank 3/6/2019 L1908838-02	DUPE 3/6/2019 L1908838-03
Volatile Organic Compounds in µg/L														
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,1-Trichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 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	0.84 U	NC	NC	NC	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	NC	NC	NC	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1-Dichloroethene	5	0.17 U	0.17 U	0.17 U	0.17 U	1.3 J	NC	NC	NC	0.35 J	0.17 U	0.17 U	0.17 U	0.17 U
1,1-Dichloropropene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichloropropane	0.04	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	5	0.54 U	0.54 U	0.54 U	0.83 J	2.7 U	NC	NC	NC	1.8 J	0.54 U	0.54 U	0.54 U	0.54 U
1,2,4-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	0.65 U	3.2 U	NC	NC	NC	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
1,2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dichloroethane	0.6	0.13 U	0.13 U	0.13 U	0.13 U	0.66 U	NC	NC	NC	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane	1	0.14 U	0.14 U	0.14 U	0.14 U	0.68 U	NC	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,3,5-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dioxane	NS	61 UJ	61 UJ	61 UJ	61 UJ	300 UJ	NC	NC	NC	61 UJ	61 UJ	61 UJ	61 UJ	61 UJ
2,2-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
2-Butanone	50	1.9 U	1.9 U	1.9 U	1.9 U	9.7 U	NC	NC	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1 U	1 U	1 U	1 U	5 U	NC	NC	NC	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	1 U	5 U	NC	NC	NC	1 U	1 U	1 U	1 U	1 U
Acetone	50	5 UJ	18 J	5 UJ	5 UJ	25 UJ	NC	NC	NC	5 UJ	5 UJ	5 UJ	3.4 J	5 UJ
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	1.5 U	7.5 U	NC	NC	NC	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzene	1	0.16 U	0.16 U	0.16 U	0.49 J	0.8 U	NC	NC	NC	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Bromobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromochloromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.19 U	0.96 U	NC	NC	NC	0.19 U	0.19 U	0.19 UJ	0.19 UJ	0.19 UJ
Bromoform	50	0.65 U	0.65 U	0.65 U	0.65 U	3.2 U	NC	NC	NC	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	5 U	NC	NC	NC	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	0.13 U	0.13 U	0.13 U	0.13 U	0.67 U	NC	NC	NC	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroform	7	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloromethane	NS	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
cis-1,2-Dichloroethene	5	0.7 U	0.7 U	0.78 J	2.9	540	NC	NC	NC	130	2.6	0.7 U	0.7 U	0.7 U
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.14 U	0.72 U	NC	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.15 U	0.74 U	NC	NC	NC	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Dibromomethane	5	1 U	1 U	1 U	1 U	5 U	NC	NC	NC	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 UJ	1 UJ	1 UJ	1 UJ	5 UJ	NC	NC	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Ethylbenzene	5	0.7 U	0.7 U	0.7 U	1.2 J	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Hexachlorobutadiene	0.5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Isopropylbenzene	5	0.7 U	0.7 U	0.7 U	0.74 J	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Methyl tert butyl ether	10	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Methylene chloride	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
n-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
n-Propylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Naphthalene	10	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p-Xylene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
4-Ethyltoluene	NS	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p-Isopropyltoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p/m-Xylene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
sec-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Styrene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
tert-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Tetrachloroethene	5	2.5	0.28 J	1.8	3.5	31	NC	NC	NC	3.5	0.29 J	0.18 U	0.18 U	1
Toluene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	1.4 J	0.7 U	0.7 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	0.82 U	NC	NC	NC	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,4-Dichloro-2-butene	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Trichloroethene	5	0.64	0.18 U	0.58	1.6	11	NC	NC	NC	2.9	0.18 U	0.18 U	0.18 U	0.41 J
Trichlorofluoromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	NC	NC	NC	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Vinyl acetate	NS	1 U	1 U	1 U	1 U	5 U	NC	NC	NC	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	0.07 U	0.07 U	0.16 J	0.97 J	110	NC	NC	NC	39	0.81 J	0.07 U	0.07 U	0.13 J
Total VOCs:		3.14	18.28	3.32	12.23	693	NC	NC	NC	178.95	3.7	0	3.4	1.54
Total Chlorinated VOCs: (1)(2)		3.14	0.28	3.32	8.97	692	NC	NC	NC	175.4	3.7	0	0	1.54

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-12
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 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				GW-3				GW-4				GW-5				GW-6				
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'	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:	Water		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	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		
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	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,1,1-Trichloroethane	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,1,2,2-Tetrachloroethane	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,1,2-Trichloroethane	1	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,1-Dichloroethane	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
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	1.6	3.8	ND	ND	ND	ND	ND	ND	9.3	ND	ND	
1,1-Dichloropropene	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2,3-Trichlorobenzene	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2,4,5-Tetramethylbenzene	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	700	0.96	J	ND	ND	43	1.2	ND	2.8	7.3	1.6	ND	ND	ND	ND	ND	ND	16	3.8	ND	0.97	J
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5	16	63	36	25	U	5	U	5	U	5	U	ND	ND	ND	ND	65	0.54	J	ND	ND	2	ND	ND	0.61	J	ND	ND	ND	10	0.66	J	ND
1,2-Dibromo-3-chloropropane	0.04	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2-Dibromoethane	0.0006	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2-Dichlorobenzene	3	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2-Dichloroethane	0.6	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,2-Dichloropropane	NS	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,3,5-Trimethylbenzene	1	6	21	9	25	U	5	U	5	U	5	U	ND	ND	ND	ND	27	ND	ND	ND	0.99	J	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	
1,3-Dichlorobenzene	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,3-Dichloropropane	3	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,4-Dichlorobenzene	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
1,4-Dioxane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
2,2-Dichloropropane	NS	5	U	NC	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
2-Butanone	5	10	U	10	U	10	U	30	U	10	U	10	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
2-Hexanone	50	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Acetone	50	50	U	50	U	50	U	250	U	50	U	50	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Acrylonitrile	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Benzene	1	1.9	637	193	3.5	U	0.7	U	0.7	U	ND	ND	ND	ND	ND	ND	0.98	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromobenzene	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Bromochloromethane	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Bromodichloromethane	50	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Bromofarm	50	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Bromomethane	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Carbon disulfide	60	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Carbon tetrachloride	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Chlorobenzene	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Chloroethane	5	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Chloroform	7	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Chloromethane	NS	5	U	5	U	5	U	25	U	5	U	5	U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
cis-1,2-Dichloroethene	5	12,800	470	114	566	33	17	ND	ND	ND	ND	470	1.3	0.68	J	ND	940	1,200	2.8	4.2	ND	ND	ND	ND	1.6	ND	ND	ND	5.1	260	2.4	ND	
cis-1,3-Dichloropropane	0.4	5	U	5	U	5	U	25	U	5	U	5																					

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Parent Sample ID:	NYSDEC ⁽¹⁾ Ambient Water Quality Standards	10-14' 1/14/2010	21-25' 1/14/2010	33-37' 1/14/2010	48-52' 1/14/2010	10-14' 1/14/2010	21-25' 1/14/2010	33-37' 1/14/2010	48-52' 1/14/2010	10-14' 1/15/2010	21-25' 1/15/2010	33-37' 1/15/2010	48-52' 1/15/2010	10-14' 1/15/2010	21-25' 1/15/2010	33-37' 1/15/2010	48-52' 1/15/2010	10-14' 1/15/2010	21-25' 1/15/2010	33-37' 1/15/2010	48-52' 1/15/2010	10-14' 1/15/2010	21-25' 1/15/2010	33-37' 1/15/2010	48-52' 1/15/2010	10-12' 4/28/2011	23-25' 4/28/2011	35-37' 4/28/2011	50-52' 4/28/2011	10-12' 4/28/2011	23-25' 4/28/2011	35-37' 4/28/2011	50-52' 4/28/2011					
Depth: Sampling Date: Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Volatile Organic Compounds in µg/L																																						
1,1,1,2-Tetrachloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,1,1-Trichloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,1,2,2-Tetrachloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,2-Dichloroethane	1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,1-Dichloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,1-Dichloropropene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,2,3-Trichlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,2,3-Trichloropropane	0.04	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
1,2,4,5-Tetramethylbenzene	NS	ND	ND	ND	ND	29	1.1	ND	0.74	J	8.8	ND	ND	ND	ND	3.4	ND	ND	ND	ND	1.1	ND	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	ND	ND	ND	ND	ND	ND	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	ND	9.1	ND	0.4	J	ND	1.6	ND	ND	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	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,2-Dibromoethane	0.0004	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,2-Dichlorobenzene	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,2-Dichloroethane	0.6	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,2-Dichloropropane	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,3,5-Trimethylbenzene	1	1	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,3-Dichloropropane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,4-Dichlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
1,4-Dioxane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
2,2-Dichloropropane	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
2-Butanone	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
2-Hexanone	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
4-Methyl-2-pentanone	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC																									

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidelines
CVC0s = PCE, TCE, DCE, and VC

NC - Not collected
ND - Not detected
NS - No Standard

J - Data indicates the presence of a compound that may be a contaminant of concern
U - The analyte was analyzed for, but was not detected or quantified
E - Concentration of analyte exceeds the range of the CVC0s

Highlighted values indicate exceedance of the NYSDEC CVC0s

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

[illegible]

Notes
 (1) NYSDEC Ambient Water Quality Standards and Guidance
 CVOCs = PCE, TCE, DCE, and VC
 NC - Not collected
 ND - Not detected
 NS - No Standard

J - Data indicates the presence of a compound that me
U - The analyte was analyzed for, but was not detected (c
E - Concentration of analyte exceeds the range of the c

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC ⁽¹⁾ Ambient Water Quality Standards	MW-1 7/19/2012 L1212940-01	MW-2 7/19/2012 L1212940-02	MW-3 7/19/2012 L1212940-03	MW-4 7/19/2012 L1212940-04	9/30/2013 L1319520-01	MW-5 7/19/2012 L1212940-05	9/30/2013 L1319520-02	MW-6 7/19/2012 L1212940-06	MW-7 7/19/2012 L1212940-07	9/30/2013 L1319520-03	9/30/2013 L1319520-04	9/30/2013 L1319520-05	10/7/2014 L1423615-02	10/2/2015 L1524907-01	3/29/2016 L1609110-01	6/22/2016 L1619370-01	9/16/2016 L1629516-01	12/6/2016 L1639729-02	MW-10 3/1/2017 L1706520-02	6/1/2017 L1718024-09	9/20/2017 L1733661-09	12/13/2017 L1746240-01	3/14/2018 L1808694-01	9/5/2018 L1835036-01	3/6/2019 L1908838-06	
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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 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	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	0.5 U	0.17 U	0.17 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	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	0.5 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	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	2.5 U	0.7 U	0.7 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	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	0.5 U	0.17 U	0.17 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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	NS	100 U	2,000 U	40 U	5 U	8 U	8.3 U	2 U	2.8 U	200 U	2 U	2 U	12 U	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	2 U	0.54 U	0.54 U
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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 U
1,2-Dibromobenzene	0.0004	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	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	2 U	0.65 U	0.65 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	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	2.5 U	0.7 U	0.7 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	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	0.5 U	0.13 U	0.13 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	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 U	1 U	0.14 U	0.14 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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 U
1,4-Dioxane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	41 U	280 U	41 U	280 U	280 U	280 U	280 U	280 U	41 U	280 U	41 U	41 U
1,2-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	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	2.5 U	0.7 U	0.7 U
2-Butanone	5	290 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	1.9 U	1.9 U	1.9 U	5 U	5 U	5 U	5 U	5 U	5 U	1.9 U	5 U	1.9 U	1.9 U
2-Hexanone	50	290 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	1.9 U	1.9 U	1.9 U	5 U	5 U	5 U	5 U	5 U	5 U	1.9 U	5 U	1.9 U	1.9 U
4-Methyl-2-pentanone	NS	290 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	1.9 U	1.9 U	1.9 U	5 U	5 U	5 U	5 U	5 U	5 U	1.9 U	5 U	1.9 U	1.9 U
Acetone	50	290 U	5,000 U	100 U	12 U	20 U	5 U	3.3 J	2.1 U	500 U	5 U	5 U	5 U	1.5 U	1.5 U	1.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U	1.5 U
Acrylonitrile	5	290 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	1.5 U	1.5 U	1.5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U	1.5 U
Benzene	1	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	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	0.5 U	0.16 U	0.16 U
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	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	2.5 U	0.7 U	0.7 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	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	2.5 U	0.7 U	0.7 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	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	0.5 U	0.19 U	0.19 U
Bromoflame	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	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	2 U	0.65 U	0.65 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	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	2.5 U	0.7 U	0.7 U
Carbon disulfide	40	290 U	5,000 U	100 U	12 U	20 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	1.9 U	1.9 U	1.9 U	5 U	5 U	5 U	5 U	5 U	5 U	1.9 U	5 U	1.9 U	1.9 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	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	0.5 U	0.13 U	0.13

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	MW-11										MW-12														
Depth:	NYSDEC (1) Ambient Water Quality Standards																								
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	9/5/2018	3/6/2019	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017					
Laboratory ID:	L1423615-03	L1524907-02	L1609110-02	L16219370-02	L1629516-02	L1639729-09	L17046320-01	L1718024-08	L1733661-08	L1746240-02	L1808694-02	L1835034-02	L1908838-07	L1524907-03	L1609110-03	L16219370-03	L1629516-03	L1639729-03	L17046320-03	L1733661-03					
Volatle 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.14 U	0.14 U	0.5 U	0.17 U	0.5 U	0.5 U	0.5 U	0.17 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 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	1.5 U	1.5 U	1.5 U	0.5 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.17 U	0.5 U	0.17 U	0.14 U	0.14 U	0.5 U	0.17 U	0.5 U	0.5 U	0.5 U	0.17 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U		
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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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 U	2 U	2 U	0.54 U	2 U	0.54 U	0.92 J	0.65 U	2 U	0.71 U	2 U	2 U	2 U	0.54 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U		
1,2-Dibromomethane	0.0006	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	0.65 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.13 U	0.5 U	0.13 U	0.13 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.13 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	0.14 U	1 U	0.14 U	0.13 U	0.13 U	1 U	0.14 U	1 U	1 U	1 U	0.14 U	1 U	0.14 U		
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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U		
1,4-Dioxane	3	NC	NC	41 U	280 U	41 U	280 U	280 U	280 U	280 U	61 U	280 U	61 U	NC	41 U	280 U	41 U	280 U	280 U	280 U	61 U	280 U	61 U		
1,2-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 U	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 U	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 U	5 U	5 U	1.9 U	5 U	1.9 U	1.9 U	1.9 U	5 U	1.9 U	5 U	5 U	5 U	1.9 U	5 U	1.9 U		
2-Hexanone	50	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	1 U	5 U	1 U		
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	1 U	5 U	1 U		
Acetone	50	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U		
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U		
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	0.16 U	0.5 U	0.16 U	0.16 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.5 U	0.16 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.19 U	0.5 U	0.19 U	0.19 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.5 U	0.19 U	0.5 U	0.19 U		
Bromofarm	50	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	0.65 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 U	2.5 U	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U		
Carbon disulfide	60	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	1 U	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	0.13 U	0.5 U	0.13 U	0.13 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U		
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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 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 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U		
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	0.7 U	2.5 U	0.7 U	31	15	18	5.4	21	1.1 J	20	1.7 J	14 J	7.3	1.4 J	0.78 J
cis-1,3-Dichloropropane	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	0.14 U	0.5 U	0.14 U	0.14 U	0.14 U	0.5 U	0.								

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Depth: Sampling Date: Laboratory ID:	NYSDEC ⁽¹⁾ Ambient Water Quality Standards	MW-13												MW-14											
		10/2/2015 L152497-04	3/29/2016 L1609110-04	6/22/2016 L1619370-04	9/16/2016 L1629516-04	12/6/2016 L1637729-04	3/1/2017 L1704520-04	6/1/2017 L1718024-03	9/20/2017 L173361-02	12/13/2017 L1746240-04	3/14/2018 L1808694-04	9/5/2018 L1835034-04	3/6/2019 L1908838-09	10/2/2015 L152497-05	3/29/2016 L1609110-05	6/22/2016 L1619370-05	9/16/2016 L1629516-05	12/6/2016 L1637729-05	3/1/2017 L1704520-05	6/1/2017 L1718024-02	9/20/2017 L173361-01	12/13/2017 L1746240-05	3/14/2018 L1808694-05	9/5/2018 L1835034-05	3/6/2019 L1908838-10
		Volatiles Organic Compounds In µg/L																							
L1,1,1,2-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L1,1,1-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L1,1,2,2-Tetrachloroethane	5	0.36 U	0.14 U	0.5 U	0.33 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	3.6 U	0.17 U	25 U	3.3 U	5 U	5 U	10 U	1 U	0.5 U	0.42 U	2 U	0.84 U
L1,2-Trichloroethane	1	1.2 U	0.5 U	1.5 U	1 U	1.5 U	1.4 J	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	12 U	0.5 U	75 U	10 U	15 U	15 U	30 U	3 U	1.5 U	1.2 U	6 U	2.5 U
L1-Dichloroethane	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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L1-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	0.5 U	0.17 U	3.6 U	1.6 U	25 U	4.9 J	5 U	5 U	7 J	2.1 U	0.23 J	0.67 J	1.1 J	1.3 J
L1-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2,3-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2,3-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2,4,5-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	1.1 J	0.83 J	16 U	0.65 U	100 U	13 J	20 U	20 U	40 U	4 U	2 U	1.4 U	8 U	2.7 U
L2,4-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2,4-Trimethylbenzene	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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2-Dibromo-3-chloropropane	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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2-Dibromobenzene	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	2 U	0.65 U	16 U	0.65 U	100 U	13 U	20 U	20 U	40 U	4 U	2 U	1.6 U	8 U	3.2 U
L2-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L2-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	0.5 U	0.13 U	3.3 U	0.13 U	25 U	2.6 U	5 U	5 U	10 U	1 U	0.5 U	0.33 U	2 U	0.66 U
L2-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 U	1 U	0.14 U	3.3 U	0.13 U	25 U	2.7 U	10 U	10 U	20 U	2 U	1 U	0.34 U	4 U	0.68 U
L3,5-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L3-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L3-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L4-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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
L4-Dioxane	3	NC	41 U	250 U	120 U	250 U	250 U	250 U	250 U	250 U	61 U	250 U	61 U	NC	41 U	12,000 U	1,200 U	2,500 U	500 U	500 U	250 U	150 U	1,000 U	300 U	300 U
L2-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 U	2.5 U	0.7 U	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
2-Butanone	5	4.8 U	1.9 U	5 U	3.9 U	5 U	5 U	5 U	5 U	5 U	1.9 U	5 U	1.9 U	48 U	1.9 U	250 U	39 U	50 U	50 U	100 U	10 U	5 U	4.8 U	20 U	9.7 U
2-Hexanone	50	2.5 U	1 U	5 U	2 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	25 U	1 U	250 U	20 U	50 U	50 U	100 U	10 U	5 U	2.5 U	20 U	5 U
4-Methyl-2-pentanone	NS	2.5 U	1 U	5 U	2 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	25 U	1 U	250 U	20 U	50 U	50 U	100 U	10 U	5 U	2.5 U	20 U	5 U
Acetone	50	6.6 J	1.9 J	5 U	2.9 U	5 U	5 U	5 U	5 U	5 U	3.5 J	3.2 J	5 U	44 J	1.5 U	250 U	29 U	50 U	50 U	100 U	10 U	5 U	6.6 U	20 U	25 U
Acrylonitrile	5	3.8 U	1.5 U	5 U	3 U	5 U	5 U	5 U	5 U	5 U	1.5 U	5 U	1.5 U	38 U	1.5 U	250 U	30 U	50 U	50 U	100 U	10 U	5 U	3.8 U	20 U	7.5 U
Benzene	1	0.4 U	0.51 U	0.78 U	0.7 J	0.76 U	0.96 U	0.59 U	1.3	0.43 U	0.92 U	0.48 J	0.49 J	4 U	0.16 U	25 U	3.2 U	5 U	5 U	10 U	1 U	0.5 U	0.4 U	2 U	0.8 U
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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 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	0.5 U	0.19 U	4.8 U	0.19 U	25 U	3.8 U	5 U	5 U	10 U	1 U	0.5 U	0.48 U	2 U	0.94 U
Bromofarm	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	2 U	0.65 U	16 U	0.65 U	100 U	13 U	20 U	20 U	40 U	4 U	2 U	1.6 U	8 U	3.2 U
Bromomethane	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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
Carbon disulfide	60	2.5 U	1 U	5 U	2 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	25 U	1 U	250 U	20 U	50 U	50 U	100 U	10 U	5 U	2.5 U	20 U	5 U
Carbon tetrachloride	5	0.34 U	0.13 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U	3.4 U	0.13 U	25 U	2.7 U	5 U	5 U	10 U	1 U	0.5 U	0.34 U	2 U	0.67 U
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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
Chloroethane	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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
Chloromethane	NS	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	2.5 U	0.7 U	18 U	0.7 U	120 U	14 U	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U
cis-1,2-Dichloroethene	5	150	72	96	30	15	16	26	27	82	9.1	13	29	1,800	1,900 U	2,800	1,600 J	660	660	1,800	210	120			

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	MW-15												MW-16													
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	9/5/2018	3/6/2019	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	9/5/2018	3/6/2019		
Laboratory ID:	L1524907-06	L1609110-06	L1619370-06	L1629516-06	L1639729-08	L1704520-08	L1718024-01	L1733661-06	L1746240-06	L1808694-06	L1835036-06	NC	L1624907-07			L1718024-07	L1733661-07						NC	NC		
Volatiles 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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
1,1,2,2-Tetrachloroethane	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	0.5 U	NC	2.9 U	NC	NC	1.7 U	NC	NC	0.5 U	2.5 U	NC	0.17 U	NC	NC	
1,1,2-Trichloroethane	1	5.6	0.5 U	1.5 U	1.2 U	3 U	1.5 U	3 U	1.5 U	3 U	0.5 U	1.5 U	NC	10 U	NC	NC	5 U	NC	NC	1.5 U	7.5 U	NC	0.5 U	NC	NC	
1,1-Dichloroethane	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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	0.5 U	NC	2.8 U	NC	NC	1.7 U	NC	NC	0.5 U	2.5 U	NC	0.17 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
1,2,3-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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
1,2,4,5-Tetramethylbenzene	NS	29	22	11	17	5.4	3 J	4 U	2 U	4 U	0.54 U	2 U	NC	17 J	NC	NC	13 J	NC	NC	11 J	J	10 U	NC	1.1 J	NC	NC
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
1,2-Dibromo-3-chloropropane	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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
1,2-Dibromomethane	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	2 U	NC	13 U	NC	NC	6.5 U	NC	NC	2 U	10 U	NC	0.65 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	0.5 U	NC	2.6 U	NC	NC	1.3 U	NC	NC	0.5 U	2.5 U	NC	0.2 U	NC	NC	
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 U	NC	2.7 U	NC	NC	1.4 U	NC	NC	1 U	5 U	NC	0.14 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
1,4-Dioxane	3	NC	41 U	250 U	150 U	500 U	250 U	500 U	250 U	500 U	61 U	250 U	NC	NC	NC	NC	610 U	NC	NC	250 U	1,200 U	NC	61 U	NC	NC	
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 U	5 U	0.7 U	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
2-Butanone	5	4.8 U	1.9 U	5 U	4.8 U	10 U	5 U	10 U	5 U	10 U	1.9 U	5 U	NC	39 U	NC	NC	19 U	NC	NC	15	25 U	NC	4.4	NC	NC	
2-Hexanone	50	2.5 U	1 U	5 U	2.5 U	10 U	5 U	10 U	5 U	10 U	1 U	5 U	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	3.5 J	NC	NC	
4-Methyl-2-pentanone	NS	2.5 U	1 U	5 U	2.5 U	10 U	5 U	10 U	5 U	10 U	1 U	5 U	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	1 J	NC	NC	
Acetone	50	13	1.5 U	5 U	5.8 J	4.8 J	3.3 J	10 U	2.9 J	10 U	1.5 U	2.2 J	NC	56 J	J	NC	15 U	NC	NC	25	43	NC	84	NC	NC	
Acrylonitrile	5	3.8 U	1.5 U	5 U	3.8 U	10 U	5 U	10 U	5 U	10 U	1.5 U	5 U	NC	30 U	NC	NC	15 U	NC	NC	5 U	25 U	NC	1.5 U	NC	NC	
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	0.5 U	NC	3.2 U	NC	NC	1.6 U	NC	NC	0.5 U	2.5 U	NC	0.18 J	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	0.5 U	NC	3.8 U	NC	NC	1.9 U	NC	NC	0.5 U	2.5 U	NC	0.19 U	NC	NC	
Bromofarm	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	2 U	NC	13 U	NC	NC	6.5 U	NC	NC	2 U	10 U	NC	0.65 U	NC	NC	
Bromomethane	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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
Carbon disulfide	60	2.5 U	1 U	5 U	2.5 U	52 J	5 U	10 U	2.8 J	10 U	1 U	5 U	NC	20 U	NC	NC	10 U	NC	NC	5 U	4 J	NC	20	NC	NC	
Carbon tetrachloride	5	0.34 U	0.13 U	0.5 U	0.34 U	1 U	0.5 U	1 U	0.5 U	1 U	0.13 U	0.5 U	NC	2.7 U	NC	NC	1.3 U	NC	NC	0.5 U	2.5 U	NC	0.13 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
Chloroethane	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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
Chloromethane	NS	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	2.5 U	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	
cis-1,2-Dichloroethene	5	56	6.6	6.1	14	12	16 J	6.1	14	11	3.4	10	NC	740	NC	NC	7 U	NC	NC	2 J	J	12 U	NC	1.5 J	NC	NC
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	0.5 U	NC	2.9 U	NC	NC	1.4 U	NC	NC	0.5 U	2.5 U	NC	0.14 U	NC	NC	
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	0.5 U	NC	3 U	NC	NC	1.5 U	NC	NC	0.5 U	2.5 U	NC	0.15 U	NC	NC	
Dibromomethane	5	2.5 U	1 U	5 U	2.5 U	10 U	5 U	10 U	5 U	10 U	1 U	5 U	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	1 U	NC	NC	
Dichlorodifluoromethane	5	2.5 U	1 U	5 U	2.5 U	10 U	5 U	10 U	5 U	10 U	1 U	5 U	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	1 U	NC	NC	
Ethyl ether	NS	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	2.5 U</														

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC ⁽¹⁾ Ambient Water Quality Standards		MW-17								MLWell 15-20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

Table 3
Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID: Depth: Sampling Date: Laboratory ID:	NYSDEC (1) Ambient Water Quality Standards (1218814-02)	MLWell1 35-40'													MLWell1 55-60'			MLWell1 95-100'			MLWell1 115-120'						
		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	9/5/2018	3/6/2019	10/17/2012	1/30/2013	9/30/2013	10/17/2012	1/30/2013	9/30/2013	10/17/2012	1/30/2013	9/30/2013			
		L1218814-02	L1301890-02	L1319520-07	L1609110-09	L1619370-08	L1629516-08	L1639729-07	L1705620-07	L1718024-06	L1733661-05	L1746240-09	L1808694-10	L1835036-09	L1908838-05	L1218814-03	L1301890-03	L1319520-08	L1218814-04	L1301890-04	L1319520-09	L1218814-05	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	0.7	U	2.5	U	0.7	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	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	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.14	U	0.5	U	0.17	U	0.5	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	0.5	U	1.5	U	0.5	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	0.7	U	2.5	U	0.7	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	0.14	U	0.5	U	0.17	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	0.7	U	2.5	U	0.7	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	0.7	U	2.5	U	0.7	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	0.7	U	2.5	U	0.7	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	0.7	J	0.75	J	2	U	0.65	U	2	U	0.66	J	2	U	2	U	0.54	U	2	U	0.54	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	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	0.7	U	2.5	U	0.7	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	0.7	U	2.5	U	0.7	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	0.65	U	2	U	0.65	U	2	U	2	U	0.65	U	2	U	0.65	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U
1,2-Dichloropropane	NS	1	U	1	U	1	U	0.13	U	1	U	0.14	U	1	U	1	U	0.14	U	1	U	0.14	U	1	U	1	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	2.5	U	2.5	U
1,3-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	3	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	5	2.5	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	3	NC	NC	NC	NC	41	U	250	U	41	U	250	U	250	U	250	U	250	U	41	U	NC	NC	NC	NC	NC	NC
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	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
2-Butanone	5	5,000	U	5	U	5	U	1.9	U	5	U	1.9	U	5	U	5	U	5	U	1.9	U	5	U	5	U	5	U
2-Hexanone	50	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	U	5	U	1	U	100	U	5	U	5	U
4-Methyl-2-pentanone	NS	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	U	5	U	1	U	100	U	5	U	5	U
Acetone	50	5,000	U	5	U	5	U	1.5	U	5	U	1.5	U	5	U	5	U	5	U	5	U	100	U	1.6	J	5	U
Acrylonitrile	5	5,000	U	5	U	5	U	1.5	U	5	U	1.5	U	5	U	5	U	5	U	5	U	100	U	5	U	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	0.16	U	0.5	U	0.16	U	0.5	U	0.5	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	0.7	U	2.5	U	0.7	U	2.5	U	2.5	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	0.7	U	2.5	U	0.7	U	2.5	U	2.5	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	0.19	U	0.5	U	0.19	U	0.5	U	0.5	U
Bromoflorm	50	2,000	U	2	U	2	U	0.65	U	2	U	0.65	U	2	U	2	U	0.65	U	2	U	0.65	U	2	U	2	U
Bromomethane	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
Carbon disulfide	60	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	U	5	U	5	U	100	U	5	U	5	U
Carbon tetrachloride	5	500	U	0.5	U	0.5	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	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	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
Chloroethane	5	2,500	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
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	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
Chloromethane	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	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	25,000		3.8	U	2.5	U	0.74	J	2.5	U	0.7	U	2.5	U	2.5	U	0.7	U	2.1	J	2.6	870	2.5	U	2.5	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	0.14	U	0.5	U	0.14	U	0.5	U	0.5	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	0.15	U	0.5	U	0.15	U	0.5	U	0.5	U
Dibromomethane	5	5,000	U	5	U	5	U	1	U	5	U	1	U	5	U	5	U	5	U	1	U	100	U	5	U	5	U
Dichlorodifluoromethane	5	5,000	U	5	U	5																					

Table 4

SVE System Sampling Results

3140 Coney Island Avenue, Brooklyn, New York

Sample Date:	11/10/2015		11/24/2015		12/2/2015		12/9/2015	
Sample Type:	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
VOCs by TO-15 in µg/m³								
1,1,1-Trichloroethane	<10.9	<1.09	<10.9	<1.09	<1.09	<1.09	<3.64	<1.09
1,1,2,2-Tetrachloroethane	<13.7	<1.37	<13.7	<1.37	<1.37	<1.37	<4.58	<1.37
1,1,2- Trichloroethane	<10.9	<1.09	<10.9	<1.09	<1.09	<1.09	<3.64	<1.09
1,1 Dichloroethane	<8.09	<0.809	<8.09	<0.809	<0.809	<0.809	<2.70	<0.809
1,1 Dichloroethene	<7.93	<0.793	<7.93	<0.793	<0.793	<0.793	<2.64	<0.793
1,2,4-Trichlorobenzene	<14.8	<1.48	<14.8	<1.48	<1.48	<1.48	<4.95	<1.48
1,2,4-Trimethylbenzene	<9.83	<0.983	<9.83	<0.983	<0.983	<0.983	<3.28	<0.983
1,2 Dibromoethane	<15.4	<1.54	<15.4	<1.54	<1.54	<1.54	<5.13	<1.54
1,2 Dichlorobenzene	<12.0	<1.20	<12.0	<1.20	<1.20	<1.20	<4.01	<1.20
1,2 Dichloroethane	<8.09	<0.809	<8.09	<0.809	<0.809	<0.809	<2.70	<0.809
1,2 Dichloropropane	<9.24	<0.924	<9.24	<0.924	<0.924	<0.924	<3.08	<0.924
1,3,5-Trimethylbenzene	<9.83	<0.983	<9.83	<0.983	<0.983	<0.983	<3.28	<0.983
1,3 Butadiene	<4.42	<0.442	<4.42	<0.442	<0.442	<0.442	<1.48	<0.442
1,3 Dichlorobenzene	<12.0	<1.20	<12.0	<1.20	<1.20	<1.20	<4.01	<1.20
1,4 Dichlorobenzene	<12.0	<1.20	<12.0	<1.20	<1.20	<1.20	<4.01	<1.20
1,4-Dioxane	<7.21	<0.721	<7.21	<0.721	<0.721	<0.721	<2.40	<0.721
2,2,4-Trimethylpentane	<9.34	<0.934	<9.34	<0.934	1.02	<0.934	<3.12	<0.934
2-Butanone	<14.7	<1.47	<14.7	6.49	<1.47	1.89	<4.93	2.71
2-Hexanone	<8.20	<0.820	<8.20	<0.820	<0.820	<0.820	<2.73	<0.820
3-Chloropropene	<6.26	<0.626	<6.26	<0.626	<0.626	<0.626	<2.09	<0.626
p-Ethyltoluene	<9.83	<0.983	<9.83	<0.983	<0.983	<0.983	<3.28	<0.983
4-Methyl-2-pentanone	<20.5	<2.05	<20.5	<2.05	<2.05	<2.05	<6.84	<2.05
Acetone	<23.8	<2.38	<23.8	23.4	7.77	33.7	<7.91	28.5
Benzene	<6.39	<0.639	<6.39	1.26	1.4	<0.639	<2.13	<0.639
Benzyl Chloride	<10.4	<1.04	<10.4	<1.04	<1.04	<1.04	<3.45	<1.04
Bromodichloromethane	<13.4	<1.34	<13.4	<1.34	<1.34	<1.34	<4.47	<1.34
Bromoform	<20.7	<2.07	<20.7	<2.07	<2.07	<2.07	<6.90	<2.07
Bromomethane	<7.77	<0.777	<7.77	<0.777	<0.777	<0.777	<2.59	<0.777
Carbon disulfide	<6.23	<0.623	<6.23	<0.623	<0.623	<0.623	<2.08	<0.623
Carbon Tetrachloride	<12.6	<1.26	<12.6	<1.26	<1.26	<1.26	<4.20	<1.26
Chlorobenzene	<9.21	<0.921	<9.21	<0.921	<0.921	<0.921	<3.07	<0.921
Chloroethane	<5.28	<0.528	<5.28	<0.528	<0.528	<0.528	<1.76	<0.528
Chloroform	<9.77	<0.977	<9.77	<0.977	<0.977	<0.977	<3.26	<0.977
Chloromethane	<4.13	0.562	<4.13	<0.413	0.94	0.531	<1.38	<0.413
c-1,2-Dichloroethene	291	<0.793	333	<0.793	44.8	<0.793	130	2.66
c-1,3Dichloropropene	<9.08	<0.908	<9.08	<0.908	<0.908	<0.908	<3.03	<0.908
Cyclohexane	<6.88	<0.688	<6.88	3.79	<0.688	0.75	<2.30	<0.688
Dibromochloromethane	<17.0	<1.70	<17.0	<1.70	<1.70	<1.70	<5.68	<1.70
Dichlorodifluoromethane (Freon 12)	<9.89	1.11	<9.89	2.61	2.25	2.14	<3.30	1.23
Ethanol	<94.2	<9.42	<94.2	10.4	24.7	16.4	<31.5	<9.42
Ethyl Acetate	<18.0	<1.80	<18.0	<1.80	1.81	<1.80	<6.02	<1.80
Ethyl Benzene	<8.69	<0.869	<8.69	<0.869	<0.869	<0.869	<2.90	<0.869
Freon 113	<15.3	<1.53	<15.3	<1.53	<1.53	<1.53	<5.11	<1.53
Freon 114	<14.0	<1.40	<14.0	<1.40	<1.40	<1.40	<4.66	<1.40
Heptane	<8.20	<0.820	<8.20	<0.820	<0.820	<0.820	<2.73	<0.820
Hexachlorobutadiene	<21.3	<2.13	<21.3	<2.13	<2.13	<2.13	<7.11	<2.13
Isopropanol	<12.3	<1.23	<12.3	<1.23	3.52	<1.23	<4.10	<1.23
ter.ButylMethylEther	<7.21	<0.721	<7.21	<0.721	<0.721	<0.721	<2.40	<0.721
Methylene Chloride	<17.4	3.75	<17.4	<1.74	<1.74	<1.74	<5.80	<1.74
n-Hexane	<7.05	<0.705	<7.05	<0.705	0.927	<0.705	<2.35	<0.705
o Xylene	<8.69	<0.869	<8.69	<0.869	<0.869	<0.869	<2.90	<0.869
m + p Xylene	<17.4	<1.74	<17.4	<1.74	<1.74	<1.74	<5.78	<1.74
Styrene	<8.52	<0.852	<8.52	<0.852	<0.852	<0.852	<2.84	<0.852
Tertiary butyl Alcohol	<15.2	<1.52	<15.2	<1.52	3.82	23	<5.06	37.9
Tetrachloroethene	5.530	<1.36	4.030	<1.36	654	<1.36	1,300	<1.36
Tetrahydrofuran	<14.7	<1.47	<14.7	<1.47	<1.47	<1.47	<4.93	<1.47
Toluene	<7.54	<0.754	<7.54	5.5	2.8	1.31	<2.51	<0.754
t-1,2-Dichloroethene	<7.93	<0.793	<7.93	<0.793	<0.793	<0.793	<2.64	<0.793
t-1,3Dichloropropene	<9.08	<0.908	<9.08	<0.908	<0.908	<0.908	<3.03	<0.908
Trichloroethene	177	<1.07	125	<1.07	22.9	<1.07	57.5	<1.07
Trichlorofluoromethane (Freon 11)	<11.2	<1.12	<11.2	<1.12	1.64	1.24	<3.75	1.56
Vinyl Bromide	<8.74	<0.874	<8.74	<0.874	<0.874	<0.874	<2.92	<0.874
Vinyl Chloride	<5.11	<0.511	<5.11	<0.511	<0.511	1.13	<1.71	<0.511
Total VOCs	5,998	5.42	4,488	53.45	774	82.09	1,488	74.56
Total CVOCs	5,998	0.00	4,488	0.00	722	1.13	1,488	2.66

Notes:

As of July 2017, the carbon drum has been disconnected from the system; therefore, only an effluent sample is collected.

< - Concentration is less than the reporting limit

Highlighted values indicate detectable concentrations

Table 4

SVE System Sampling Results

3140 Coney Island Avenue, Brooklyn, New York

Sample Date: Sample Type: Laboratory ID	12/17/2015		3/29/2016		6/22/2016		9/16/2016	
	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
	L1533640-01	L1533640-02	L1609182-01	L1609182-02	L1619419-01	L1619419-02	L1629526-01	L1629526-02
VOCs by TO-15 in µg/m ³								
1,1,1-Trichloroethane	<3.64	<1.09	<2.42	<2.26	<1.09	<1.09	<3.64	<1.09
1,1,2,2-Tetrachloroethane	<4.58	<1.37	<3.04	<2.84	<1.37	<1.37	<4.58	<1.37
1,1,2- Trichloroethane	<3.64	<1.09	<2.42	<2.26	<1.09	<1.09	<3.64	<1.09
1,1 Dichloroethane	<2.70	<0.809	<1.79	<1.68	<0.809	<0.809	<2.70	<0.809
1,1 Dichloroethene	<2.64	<0.793	<1.76	<1.64	<0.793	<0.793	<2.64	<0.793
1,2,4-Trichlorobenzene	<4.95	<1.48	<3.29	<3.07	<1.48	<1.48	<4.95	<1.48
1,2,4-Trimethylbenzene	<3.28	<0.983	<2.18	<2.04	<0.983	<0.983	<3.28	<0.983
1,2 Dibromoethane	<5.13	<1.54	<3.40	<3.18	<1.54	<1.54	<5.13	<1.54
1,2 Dichlorobenzene	<4.01	<1.20	<2.66	<2.49	<1.2	<1.2	<4.01	<1.20
1,2 Dichloroethane	<2.70	<0.809	<1.79	<1.68	<0.809	<0.809	<2.70	<0.809
1,2 Dichloropropane	<3.08	<0.924	<2.05	<1.91	<0.924	<0.924	<3.08	<0.924
1,3,5-Trimethylbenzene	<3.28	<0.983	<2.18	<2.04	<0.983	<0.983	<3.28	<0.983
1,3 Butadiene	<1.48	<0.442	<0.980	<0.916	<0.442	<0.442	<1.48	<0.442
1,3 Dichlorobenzene	<4.01	<1.20	<2.66	<2.49	<1.2	<1.2	<4.01	<1.20
1,4 Dichlorobenzene	<4.01	<1.20	<2.66	<2.49	<1.2	<1.2	<4.01	<1.20
1,4-Dioxane	<2.40	<0.721	<1.60	<1.49	<0.721	<0.721	<2.40	<0.721
2,2,4-Trimethylpentane	<3.12	<0.934	<2.07	<1.93	<0.934	<0.934	<3.12	<0.934
2-Butanone	<4.93	11.1	<3.27	4.54	1.83	84.3	<4.93	30.7
2-Hexanone	<2.73	<0.820	<1.82	<1.70	<0.82	1.84	<2.73	1.04
3-Chloropropene	<2.09	<0.626	<1.39	<1.30	<0.626	<0.626	<2.09	<0.626
p-Ethyltoluene	<3.28	<0.983	<2.18	<2.04	<0.983	<0.983	<3.28	<0.983
4-Methyl-2-pentanone	<6.84	<2.05	<4.55	<4.22	<2.05	<2.05	<6.84	<2.05
Acetone	<7.91	72.9	8.2	16.6	19.5	287	<7.91	32.5
Benzene	<2.13	3.09	<1.42	<1.32	<0.639	22.5	<2.13	<0.639
Benzyl Chloride	<3.45	<1.04	<2.29	<2.14	<1.04	<1.04	<3.45	<1.04
Bromodichloromethane	<4.47	<1.34	<2.97	<2.77	<1.34	<1.34	<4.47	<1.34
Bromoform	<6.90	<2.07	<4.58	<4.28	<2.07	<2.07	<6.90	<2.07
Bromomethane	<2.59	<0.777	<1.72	<1.61	<0.777	<0.777	<2.59	<0.777
Carbon disulfide	<2.08	<0.623	<1.38	<1.29	<0.623	<0.623	<2.08	<0.623
Carbon Tetrachloride	<4.20	<1.26	<2.79	<2.60	<1.26	<1.26	<4.20	<1.26
Chlorobenzene	<3.07	<0.921	<2.04	<1.91	<0.921	<0.921	<3.07	<0.921
Chloroethane	<1.76	<0.528	<1.17	<1.09	<0.528	1.64	<1.76	<0.528
Chloroform	<3.26	<0.977	4.4	<2.02	<0.977	2.92	4.44	<0.977
Chloromethane	<1.38	0.737	<0.915	<0.855	1.07	5.35	<1.38	<0.413
c-1,2-Dichloroethene	129	8.01	57.9	53.5	16.4	76.9	113	<0.793
c-1,3Dichloropropene	<3.03	<0.908	<2.01	<1.88	<0.908	<0.908	<3.03	<0.908
Cyclohexane	<2.30	11.5	<1.52	<1.43	<0.688	88.5	<2.30	<0.688
Dibromochloromethane	<5.68	<1.70	<3.77	<3.53	<1.7	<1.7	<5.68	<1.70
Dichlorodifluoromethane (Freon 12)	<3.30	2.25	<2.19	<2.05	2.35	2.13	<3.30	3.03
Ethanol	<31.5	11.1	<20.9	<19.4	<9.42	35	<31.5	<9.42
Ethyl Acetate	<6.02	<1.80	<4.00	<3.71	<1.8	<1.8	<6.02	<1.80
Ethyl Benzene	<2.90	<0.869	<1.92	<1.80	<0.869	<0.869	<2.90	<0.869
Freon 113	<5.11	<1.53	<3.40	<3.17	<1.53	<1.53	<5.11	<1.53
Freon 114	<4.66	<1.40	<3.10	<2.89	<1.4	<1.4	<4.66	<1.40
Heptane	<2.73	<0.820	<1.82	<1.70	<0.82	3.96	<2.73	<0.820
Hexachlorobutadiene	<7.11	<2.13	<4.73	<4.42	<2.13	<2.13	<7.11	<2.13
Isopropanol	<4.10	3.02	<2.73	<2.53	<1.23	2.05	<4.10	<1.23
ter.ButylMethylEther	<2.40	<0.721	<1.60	<1.49	<0.721	<0.721	<2.40	<0.721
Methylene Chloride	<5.80	2.81	<3.86	<3.58	<1.74	<1.74	<5.80	<1.74
n-Hexane	<2.35	<0.705	<1.56	<1.46	<0.705	<0.705	<2.35	<0.705
o Xylene	<2.90	<0.869	<1.92	<1.80	<0.869	<0.869	<2.90	<0.869
m + p Xylene	<5.78	<1.74	<3.85	<3.60	<1.74	<1.74	<5.78	<1.74
Styrene	<2.84	<0.852	<1.89	<1.76	<0.852	<0.852	<2.84	<0.852
Tertiary butyl Alcohol	<5.06	80.9	<3.36	47.6	<1.52	57	<5.06	12.7
Tetrachloroethene	1,320	<1.36	593	<2.81	250	<1.36	1,970	<1.36
Tetrahydrofuran	<4.93	<1.47	<3.27	<3.04	<1.47	<1.47	<4.93	<1.47
Toluene	<2.51	6.29	<1.67	<1.56	<0.754	49	<2.51	<0.754
t-1,2-Dichloroethene	<2.64	<0.793	<1.76	<1.64	<0.793	1.29	<2.64	<0.793
t-1,3Dichloropropene	<3.03	<0.908	<2.01	<1.88	<0.908	<0.908	<3.03	<0.908
Trichloroethene	59.1	<1.07	30.5	<2.22	14	5.03	91.9	<1.07
Trichlorofluoromethane (Freon 11)	<3.75	1.88	<2.49	<2.33	1.35	1.82	<3.75	<1.12
Vinyl Bromide	<2.92	<0.874	<1.94	<1.81	<0.874	<0.874	<2.92	<0.874
Vinyl Chloride	<1.71	<0.511	<1.13	<1.06	<0.511	<0.511	<1.71	<0.511
Total VOCs	1,508	215.59	694	122.24	306.5	728.23	2,179.34	79.97
Total CVOCs	1,508	8.01	681.4	53.50	280.4	81.93	2,174.90	0.00

Notes:

As of July 2017, the carbon drum has been discontinued

< - Concentration is less than the reporting limit

Highlighted values indicate detectable concentrations

Table 4

SVE System Sampling Results

3140 Coney Island Avenue, Brooklyn, New York

Sample Date: Sample Type: Laboratory ID	12/6/2016		3/1/2017		6/1/2017		7/19/2018
	Influent	Effluent	Influent	Effluent	Influent	Effluent	Effluent
	L1639639-01	L1639639-02	L1706431-01	L1706431-02	L1718104-01	L1718104-02	L1827750-01
VOCs by TO-15 in µg/m³							
1,1,1-Trichloroethane	<2.18	<1.09	<1.09	<1.09	<2.18	<1.09	<1.36
1,1,2,2-Tetrachloroethane	<2.75	<1.37	<1.37	<1.37	<2.75	<1.37	<1.72
1,1,2- Trichloroethane	<2.18	<1.09	<1.09	<1.09	<2.18	<1.09	<1.36
1,1 Dichloroethane	<1.62	<0.809	<0.809	<0.809	4.61	<0.809	<1.01
1,1 Dichloroethene	<1.59	<0.793	<0.793	<0.793	<1.59	<0.793	<0.991
1,2,4-Trichlorobenzene	<2.97	<1.48	<1.48	<1.48	<2.97	<1.48	<1.86
1,2,4-Trimethylbenzene	<1.97	<0.983	<0.983	<0.983	<1.97	<0.983	2.61
1,2 Dibromoethane	<3.07	<1.54	<1.54	<1.54	<3.07	<1.54	<1.92
1,2 Dichlorobenzene	<2.4	<1.2	<1.2	<1.2	<2.4	<1.2	<1.50
1,2 Dichloroethane	<1.62	<0.809	<0.809	<0.809	<1.62	<0.809	<1.01
1,2 Dichloropropane	<1.85	<0.924	<0.924	<0.924	<1.85	<0.924	<1.16
1,3,5-Trimethylbenzene	<1.97	<0.983	<0.983	<0.983	<1.97	<0.983	1.45
1,3 Butadiene	<0.885	<0.442	<0.442	<0.442	0.969	<0.442	1.02
1,3 Dichlorobenzene	<2.4	<1.2	<1.2	<1.2	<2.4	<1.2	<1.50
1,4 Dichlorobenzene	<2.4	<1.2	<1.2	<1.2	<2.4	<1.2	<1.50
1,4-Dioxane	<1.44	<0.721	<0.721	<0.721	<1.44	<0.721	<0.901
2,2,4-Trimethylpentane	<1.87	<0.934	<0.934	<0.934	<1.87	<0.934	<1.17
2-Butanone	<2.95	8.73	<1.47	<1.47	206	122	14.6
2-Hexanone	<1.64	<0.82	<0.82	<0.82	24.5	43.4	8.24
3-Chloropropene	<1.25	<0.626	<0.626	<0.626	<1.25	<0.626	<0.783
p-Ethyltoluene	<1.97	<0.983	<0.983	<0.983	<1.97	<0.983	<1.23
4-Methyl-2-pentanone	<4.1	<2.05	<2.05	<2.05	<4.1	<2.05	<2.56
Acetone	<4.75	11	<2.38	8.69	1,290	568	36.6
Benzene	<1.28	<0.639	<0.639	<0.639	<1.28	2.09	<0.799
Benzyl Chloride	<2.07	<1.04	<1.04	<1.04	<2.07	<1.04	<1.29
Bromodichloromethane	<2.68	<1.34	<1.34	<1.34	<2.68	<1.34	<1.67
Bromoform	<4.14	<2.07	<2.07	<2.07	<4.14	<2.07	<2.58
Bromomethane	<1.55	<0.777	<0.777	<0.777	<1.55	<0.777	<0.971
Carbon disulfide	<1.25	<0.623	<0.623	<0.623	<1.25	<0.623	<0.779
Carbon Tetrachloride	<2.52	<1.26	<1.26	<1.26	<2.52	<1.26	<1.57
Chlorobenzene	<1.84	<0.921	<0.921	<0.921	<1.84	<0.921	<1.15
Chloroethane	<1.06	<0.528	<0.528	<0.528	40.4	<5.28	1.05
Chloroform	2.6	<0.977	1.32	2.57	5.23	4.1	5.91
Chloromethane	<0.826	<0.413	<0.413	<0.413	5.37	0.541	<0.516
c-1,2-Dichloroethene	53.5	41.2	39.5	66.2	31.6	88.8	26.1
c-1,3Dichloropropene	<1.82	<0.908	<0.908	<0.908	<1.82	<.908	<1.13
Cyclohexane	<1.38	<0.688	<0.688	<0.688	<1.38	3.05	<0.861
Dibromochloromethane	<3.41	<1.7	<1.7	<1.7	<3.41	<1.7	<2.13
Dichlorodifluoromethane (Freon 12)	2.62	2.27	1.82	1.82	<1.98	2.35	1.88
Ethanol	<18.8	<9.42	<9.42	<9.42	164	43.3	<2.25
Ethyl Acetate	<3.6	<1.8	<1.8	<1.8	<3.6	<1.8	<11.8
Ethyl Benzene	<1.74	<0.869	<0.869	<0.869	<1.74	<0.869	3.28
Freon 113	<3.07	<1.53	<1.53	<1.53	<3.07	<1.53	<1.92
Freon 114	<2.8	<1.4	<1.4	<1.4	<2.8	<1.4	<1.75
Heptane	1.64	<0.82	<0.82	<0.82	17.1	<0.82	1.06
Hexachlorobutadiene	<4.27	<2.13	<2.13	<2.13	<4.27	<2.13	<2.67
Isopropanol	<2.46	<1.23	<1.23	<1.23	81.9	56.8	9.93
ter.ButylMethylEther	<1.44	<0.721	<0.721	<0.721	<1.44	<0.721	<0.901
Methylene Chloride	<3.47	<1.74	10.2	<1.74	<3.47	<1.74	<2.17
n-Hexane	<1.41	<0.705	<0.705	<0.705	2.9	<0.705	<0.881
o Xylene	<1.74	<0.869	<0.869	<0.869	<1.74	<0.869	2.65
m + p Xylene	<3.47	<1.74	<1.74	<1.74	<3.47	<1.74	8.99
Styrene	<1.7	<0.852	<0.852	<0.852	<1.7	<0.852	<1.06
Tertiary butyl Alcohol	<3.03	4.4	<1.52	<1.52	105	114	1.96
Tetrachloroethene	685	<1.36	394	<1.36	624	<1.36	746
Tetrahydrofuran	<2.95	<1.47	<1.47	<1.47	<2.95	<1.46	<1.84
Toluene	<1.51	<0.754	<0.754	<0.754	<1.51	5.95	<0.942
t-1,2-Dichloroethene	<1.59	<0.793	<0.793	1.09	<1.59	1.31	<0.991
t-1,3Dichloropropene	<1.82	<0.908	<0.908	<0.908	<1.82	<.908	<1.13
Trichloroethene	25.8	<1.07	17.6	<1.07	25.4	<1.07	26.1
Trichlorofluoromethane (Freon 11)	<2.25	1.76	1.4	2.28	<2.25	2.25	1.55
Vinyl Bromide	<1.75	<0.874	<0.874	<0.874	<1.75	<0.874	<1.09
Vinyl Chloride	<1.02	<0.511	<0.511	<0.511	2.01	<0.511	<0.639
Total VOCs	771.16	69.36	465.84	82.65	2,631	1,057.94	900.98
Total CVOCs	764.30	41.20	451.10	66.20	683	88.80	798.20

Notes:

As of July 2017, the carbon drum has been discontinued

< - 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 Consecutive Time Periods (lbs)
11/10/15	5,998	218	-	-
11/24/15	4,488	217	0.0043	1.4322
12/02/15	774	230	0.0022	0.4220
12/09/15	1,488	218	0.0009	0.1591
12/17/15	1,508	218	0.0012	0.2344
03/29/16	694	218	0.0009	2.2177
06/22/16	307	230	0.0004	0.8544
09/16/16	2,179	230	0.0011	2.2052
12/06/16	771	218	0.0012	2.4009
03/01/17	465	210	0.0005	1.0086
06/01/17	1,135	210	0.0006	1.3865
07/19/18	901	210	0.0008	7.9204
Total TVOCs Removed since November 10, 2015 (lbs):				20.2413

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.

The SVE influent concentration on 6/1/17 was edited to remove acetone and 2-butanone, typical laboratory contaminants, that constituted approximately half of the TVOC measurement.

Average SVE Flow Rate generated from VI-703 vacuum reading and the Rotron 60Hz blower performance curve.



CHARTS

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
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630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

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Chart 1
Groundwater CVOCs Per Well

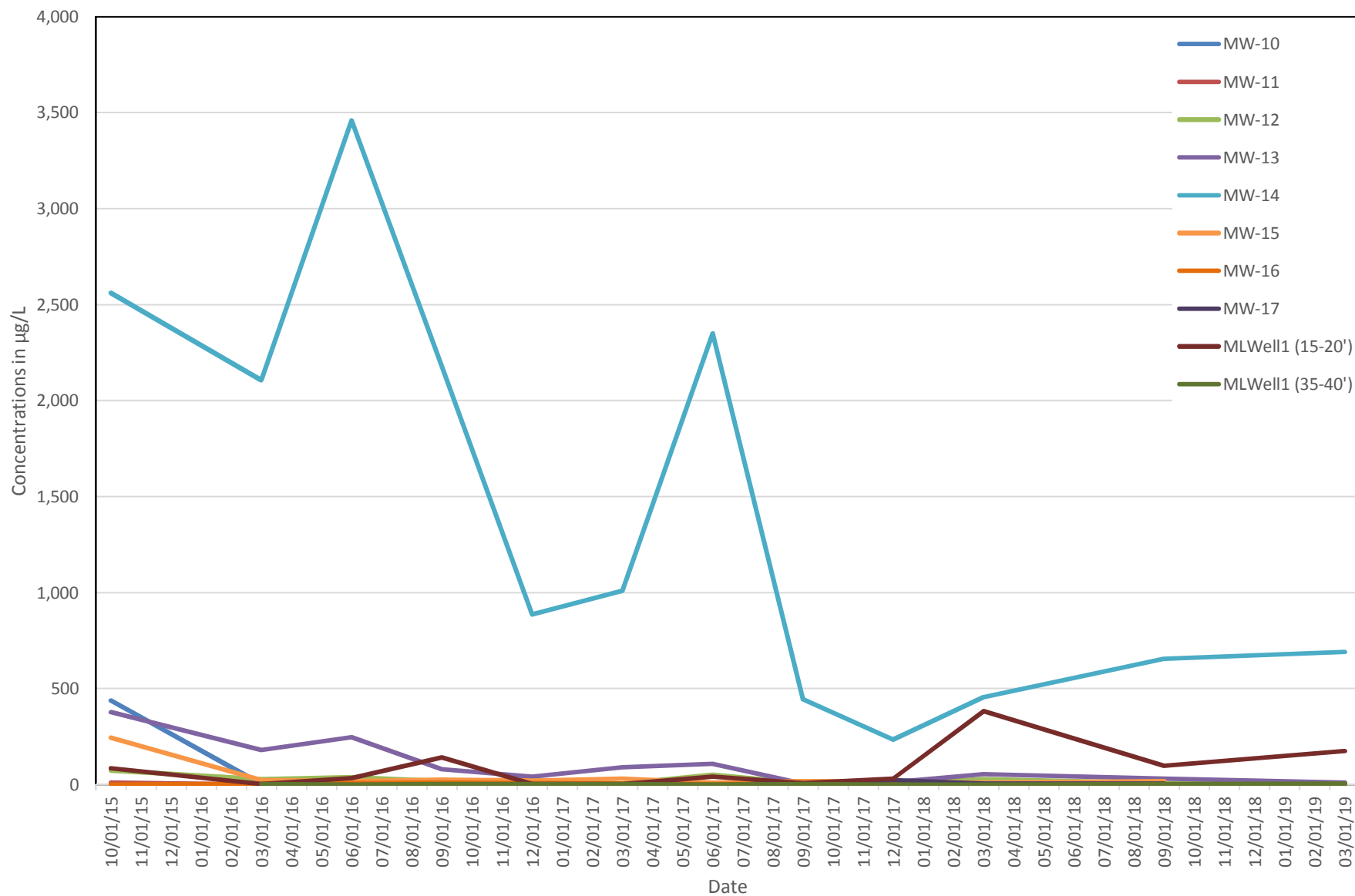


Chart 2
Groundwater CVOCs Across All Wells

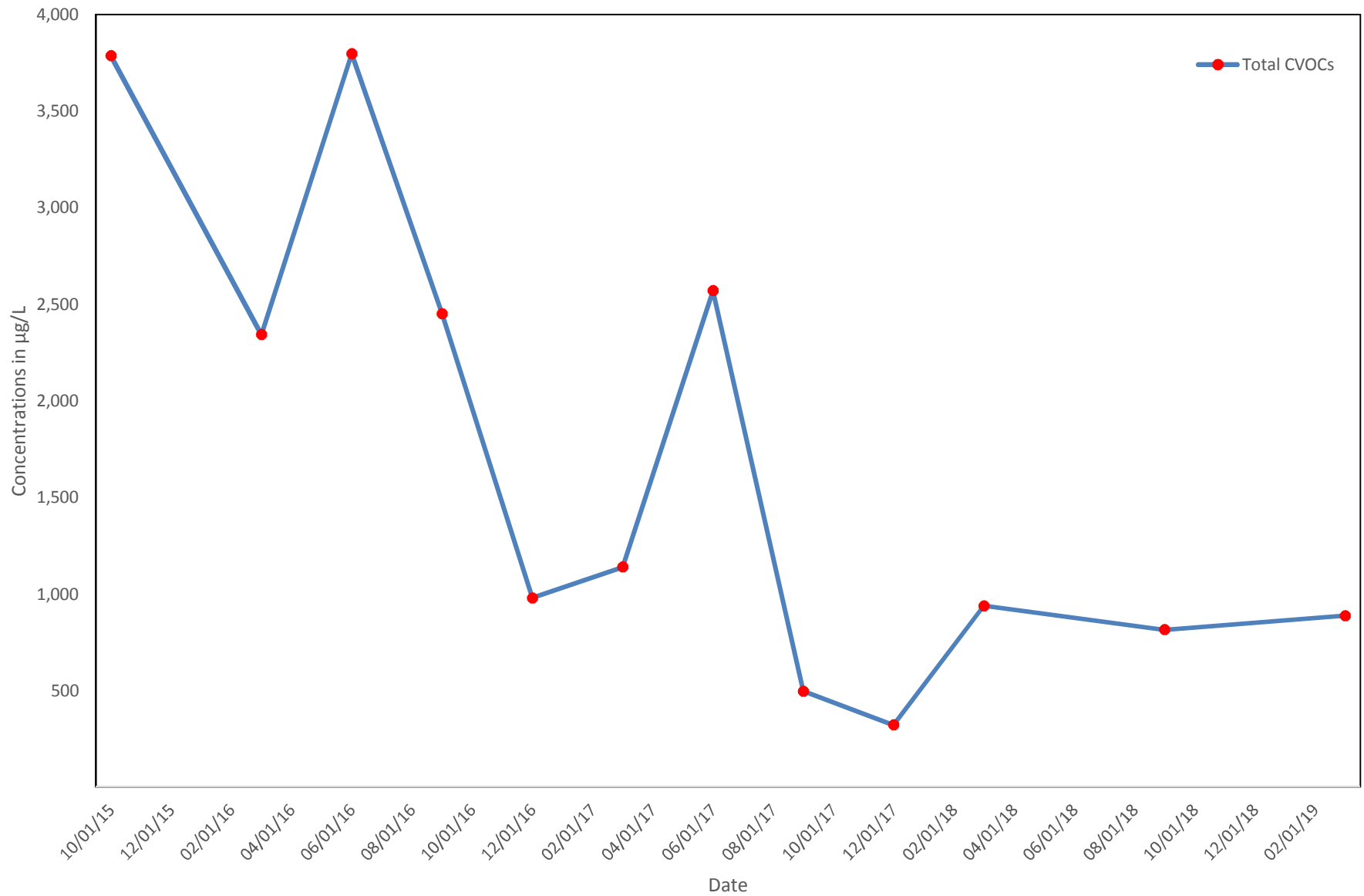
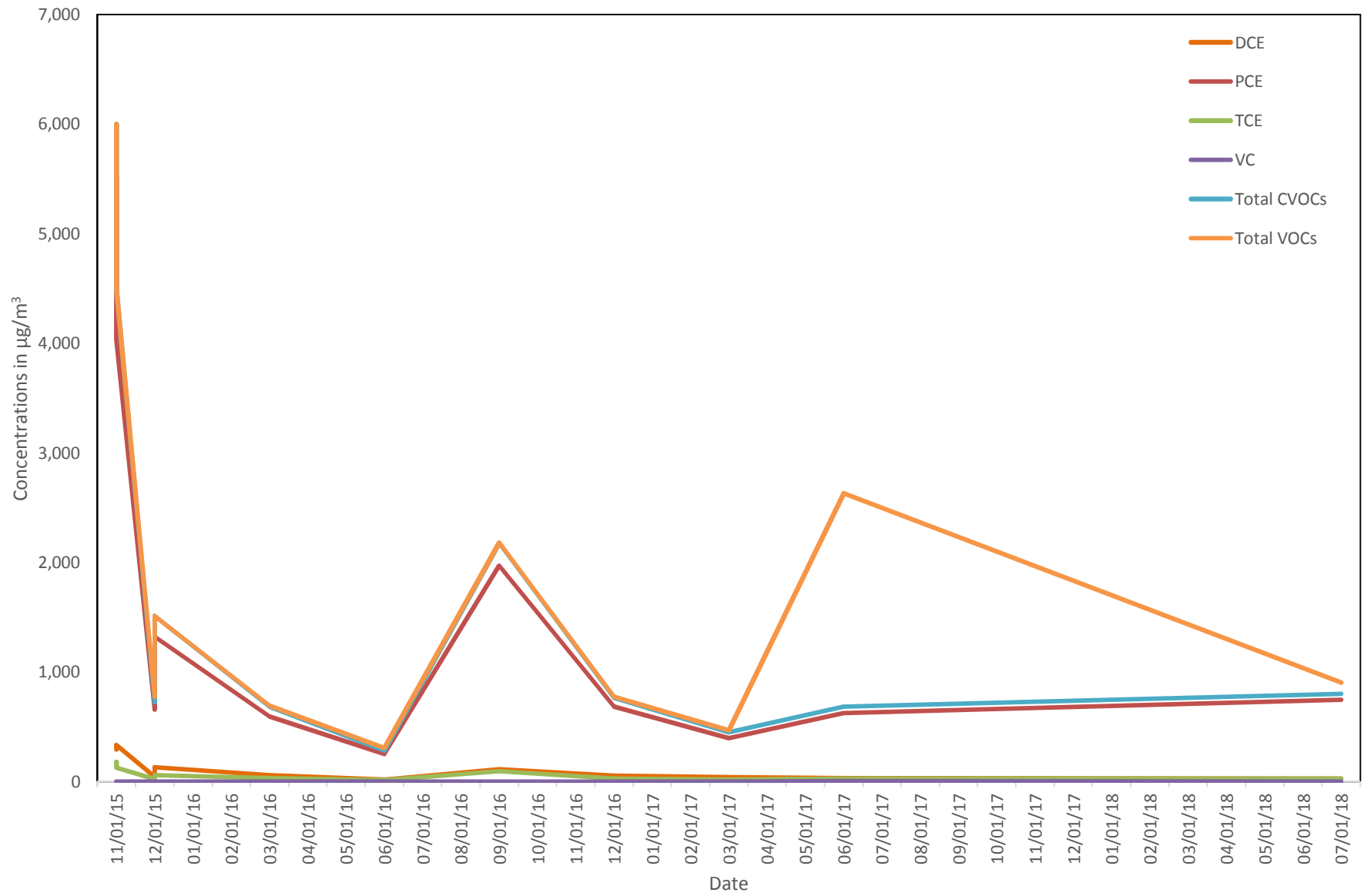


Chart 3
SVE - INFLUENT VOCs





APPENDIX A

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
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630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

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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: 3-6-2019

Weather Conditions: Cloudy, Windy 28°F

General Site Conditions: Site appears to be in good condition.
Paved areas are being utilized as a driveway and
parking lot.

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 properly? ✓

Cover System - Interior

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

Cover System - Exterior

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

Monitoring Wells

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

Comments: The Well Manhole Cover for MW-14
is cracked and will be replaced.

Inspector's Signature: Nick Russell



APPENDIX B

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
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630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

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Well Designation:	MW-10	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1801

Analytical Laboratory: Alpha Date Shipped: 9/5/2018 Analyses Requested: VOC	Notes:

[illegible]

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):	9.00	Groundwater Elevation (ft):	0.73
Depth to Bottom (ft):	14.73	Bottom Elevation (ft):	-5.00
Height of Water Column (ft):	5.73	Well Diameter (in):	2
Standing Water Volume (gal):	0.93	Calculated Purge Volume (gal):	NA

Sample Date:	9/5/2018	Begin Purge Time:	13:50
Sample Time:	14:08	Complete Purge Time:	14:05

Purge Method:	Low-Flow	Sample Method:	Low-Flow
Purge Rate (mL/min):	250	Purge Time (min):	0:15

Sample Appearance:	Clear	Odors Observed:

Analytical Laboratory: Alpha Date Shipped: 9/5/2018 Analyses Requested: VOC	Notes: Dark color, then cleared up.

[illegible]

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):	8.94	Groundwater Elevation (ft):	0.71
Depth to Bottom (ft):	12.50	Bottom Elevation (ft):	-2.85
Height of Water Column (ft):	3.56	Well Diameter (in):	2
Standing Water Volume (gal):	0.58	Calculated Purge Volume (gal):	NA

Sample Date:	9/5/2018	Begin Purge Time:	10:46
Sample Time:	11:00	Complete Purge Time:	10:58

Purge Method:	Low-Flow	Sample Method:	Low-Flow
Purge Rate (mL/min):	250	Purge Time (min):	0:12

Sample Appearance:	Clear	Odors Observed:

Analytical Laboratory: Alpha Date Shipped: 9/5/2018 Analyses Requested: VOC	Notes:

[illegible]

Well Designation:	MW-13	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1801

[illegible]

Well Designation:	MW-14	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1801

Analytical Laboratory: Alpha Date Shipped: 9/5/2018 Analyses Requested: VOC	Notes: Slight odor. MS/MSD collected.

[illegible]

Well Designation:	MW-15	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1801

Field Indicator Parameters	

[illegible]

Well Designation:	MW-16	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1801

Field Indicator Parameters	

[illegible]

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):	No Product	Product Elevation (ft):	NA
Depth to Water (ft):	9.59	Groundwater Elevation (ft):	NM
Depth to Bottom (ft):	11.48	Bottom Elevation (ft):	NM
Height of Water Column (ft):	1.89	Well Diameter (in):	4
Standing Water Volume (gal):	0.08	Calculated Purge Volume (gal):	NA

Sample Date:	9/5/2018	Begin Purge Time:	12:27
Sample Time:	12:45	Complete Purge Time:	12:44

Purge Method:	Low-Flow	Sample Method:	Low-flow
Purge Rate (mL/min):	250	Purge Time (min):	NA

Sample Appearance:	Dark	Odors Observed:	Odor

Analytical Laboratory: Alpha Date Shipped: 9/5/2018 Analyses Requested: VOC	Notes: Darler color.

[illegible]

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):	9.32	Groundwater Elevation (ft):	NM
Depth to Bottom (ft):	19.41	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:	9/20/2018	Begin Purge Time:	11:09
Sample Time:	11:25	Complete Purge Time:	11:24

Purge Method:	Low-Flow	Sample Method:	Low-Flow
Purge Rate (mL/min):	250	Purge Time (min):	0:15

Sample Appearance:	Clear	Odors Observed:

Analytical Laboratory: Alpha Date Shipped: 9/5/2018 Analyses Requested: VOC	Notes:

[illegible]

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):	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:	9/5/2018	Begin Purge Time:	11:30
Sample Time:	11:45	Complete Purge Time:	11:42
Purge Method:	Low-Flow	Sample Method:	Check Valve
Purge Rate (mL/min):	250	Purge Time (min):	0:12
Sample Appearance:	Clear	Odors Observed:	
Analytical Laboratory:	Alpha	Notes:	
Date Shipped:	9/5/2018		
Analyses Requested: VOC			

[illegible]

Well Designation:	MW-10	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

Analytical Laboratory: Alpha Date Shipped: 3/6/2019 Analyses Requested: VOC	Notes: Rust color, then cleared up.

[illegible]

Well Designation:	MW-11	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

[illegible]

Well Designation:	MW-12	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

Relative TOC Elevation (ft):	9.65	Well Use:	Monitoring/Observation
Depth to Product (ft):	No Product	Product Elevation (ft):	NA
Depth to Water (ft):	8.8	Groundwater Elevation (ft):	0.85
Depth to Bottom (ft):	12.50	Bottom Elevation (ft):	-2.85
Height of Water Column (ft):	3.70	Well Diameter (in):	2
Standing Water Volume (gal):	0.60	Calculated Purge Volume (gal):	NA

Sample Date:	3/6/2019	Begin Purge Time:	11:14
Sample Time:	11:30	Complete Purge Time:	11:29

Purge Method:	Low-Flow	Sample Method:	Low-Flow
Purge Rate (mL/min):	250	Purge Time (min):	0:15

Sample Appearance:	Clear	Odors Observed:

Analytical Laboratory: Alpha Date Shipped: 3/6/2019 Analyses Requested: VOC	Notes: DUPE

[illegible]

Well Designation:	MW-13	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

Analytical Laboratory: Alpha	Notes:
Date Shipped: 3/6/2019	
Analyses Requested:	
VOC	

[illegible]

Well Designation:	MW-14	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

Analytical Laboratory: Alpha Date Shipped: 3/6/2019 Analyses Requested: VOC	Notes: Slight odor. MS/MSD collected.

[illegible]

Well Designation:	MW-15	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

Field Indicator Parameters					

[illegible]

Well Designation:	MW-16	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

Field Indicator Parameters	

[illegible]

Well Designation:	MW-17	Sampled By:	NR
Site Address:	3140 Coney Island Ave.	Project Manager:	JLL
Project Name:	Former Brighton Cleaners	Project Number:	CIR1901

[illegible]

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:	CIR1901

Relative TOC Elevation (ft):	NM	Well Use:	Monitoring/Observation
Depth to Product (ft):	No Product	Product Elevation (ft):	NM
Depth to Water (ft):	9.13	Groundwater Elevation (ft):	NM
Depth to Bottom (ft):	19.41	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:	3/6/2019	Begin Purge Time:	12:20
Sample Time:	12:26	Complete Purge Time:	12:25

Purge Method:	Low-Flow	Sample Method:	Low-Flow
Purge Rate (mL/min):	250	Purge Time (min):	0:05

Sample Appearance:	Clear	Odors Observed:	None

Analytical Laboratory: Alpha Date Shipped: 3/6/2019 Analyses Requested: VOC	Notes:

[illegible]

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:	CIR1901

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):	NM
Sample Date:	3/6/2019	Begin Purge Time:	12:30
Sample Time:	12:37	Complete Purge Time:	12:36
Purge Method:	Low-Flow	Sample Method:	Check Valve
Purge Rate (mL/min):	250	Purge Time (min):	0:06
Sample Appearance:	Clear	Odors Observed:	None
Analytical Laboratory:	Alpha	Notes:	
Date Shipped:	3/6/2019		
Analyses Requested:	VOC		

[illegible]



APPENDIX C

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
PWGROSSER.COM

630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

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ANALYTICAL REPORT

Lab Number:	L1827750
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	FORMER BRIGHTON CLEANER
Project Number:	CIR1801
Report Date:	07/26/18

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



Project Name: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Lab Number: L1827750
Report Date: 07/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1827750-01	EFF001	SOIL_VAPOR	CONEY ISLAND, NY	07/19/18 14:01	07/19/18

Project Name: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Lab Number: L1827750
Report Date: 07/26/18

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 CLEANER
Project Number: CIR1801

Lab Number: L1827750
Report Date: 07/26/18

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 19, 2018. The canister certification results are provided as an addendum.

L1827750-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1138980-3 LCS recovery for benzyl chloride (136%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: 07/26/18

AIR

Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18**SAMPLE RESULTS**

Lab ID: L1827750-01 D
 Client ID: EFF001
 Sample Location: CONEY ISLAND, NY

Date Collected: 07/19/18 14:01
 Date Received: 07/19/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/24/18 17:51
 Analyst: MB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.380	0.250	--	1.88	1.24	--		1.25
Chloromethane	ND	0.250	--	ND	0.516	--		1.25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.250	--	ND	1.75	--		1.25
Vinyl chloride	ND	0.250	--	ND	0.639	--		1.25
1,3-Butadiene	0.461	0.250	--	1.02	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	0.398	0.250	--	1.05	0.660	--		1.25
Ethyl Alcohol	ND	6.25	--	ND	11.8	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	15.4	1.25	--	36.6	2.97	--		1.25
Trichlorofluoromethane	0.275	0.250	--	1.55	1.40	--		1.25
iso-Propyl Alcohol	4.04	0.625	--	9.93	1.54	--		1.25
1,1-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
tert-Butyl Alcohol	0.645	0.625	--	1.96	1.89	--		1.25
Methylene chloride	ND	0.625	--	ND	2.17	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	ND	0.250	--	ND	0.779	--		1.25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
1,1-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
Methyl tert butyl ether	ND	0.250	--	ND	0.901	--		1.25
2-Butanone	4.95	0.625	--	14.6	1.84	--		1.25
cis-1,2-Dichloroethene	6.59	0.250	--	26.1	0.991	--		1.25



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18**SAMPLE RESULTS**

Lab ID: L1827750-01 D
 Client ID: EFF001
 Sample Location: CONEY ISLAND, NY

Date Collected: 07/19/18 14:01
 Date Received: 07/19/18
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.625	--	ND	2.25	--		1.25
Chloroform	1.21	0.250	--	5.91	1.22	--		1.25
Tetrahydrofuran	ND	0.625	--	ND	1.84	--		1.25
1,2-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
n-Hexane	ND	0.250	--	ND	0.881	--		1.25
1,1,1-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Benzene	ND	0.250	--	ND	0.799	--		1.25
Carbon tetrachloride	ND	0.250	--	ND	1.57	--		1.25
Cyclohexane	ND	0.250	--	ND	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
Trichloroethene	4.86	0.250	--	26.1	1.34	--		1.25
2,2,4-Trimethylpentane	ND	0.250	--	ND	1.17	--		1.25
Heptane	0.259	0.250	--	1.06	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	ND	0.625	--	ND	2.56	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	ND	0.250	--	ND	0.942	--		1.25
2-Hexanone	2.01	0.250	--	8.24	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Tetrachloroethene	110	0.250	--	746	1.70	--		1.25
Chlorobenzene	ND	0.250	--	ND	1.15	--		1.25
Ethylbenzene	0.756	0.250	--	3.28	1.09	--		1.25



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18**SAMPLE RESULTS**

Lab ID: L1827750-01 D
 Client ID: EFF001
 Sample Location: CONEY ISLAND, NY

Date Collected: 07/19/18 14:01
 Date Received: 07/19/18
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.07	0.500	--	8.99	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	ND	0.250	--	ND	1.06	--		1.25
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	0.610	0.250	--	2.65	1.09	--		1.25
4-Ethyltoluene	ND	0.250	--	ND	1.23	--		1.25
1,3,5-Trimethylbenzene	0.295	0.250	--	1.45	1.23	--		1.25
1,2,4-Trimethylbenzene	0.530	0.250	--	2.61	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	88		60-140



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/24/18 14:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1138980-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	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
iso-Propyl Alcohol	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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/24/18 14:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1138980-4								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	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
Xylene (Total)	ND	0.200	--	ND	0.869	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-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
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/24/18 14:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1138980-4								
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
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



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/24/18 14:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1138980-4								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-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 (C10)	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 (C12)	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



Project Name: FORMER BRIGHTON CLEANER**Lab Number:** L1827750**Project Number:** CIR1801**Report Date:** 07/26/18

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/24/18 14:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1138980-4								
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1138980-3								
Chlorodifluoromethane	79		-		70-130	-		
Propylene	74		-		70-130	-		
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	87		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101		-		70-130	-		
Methanol	74		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	76		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethyl Alcohol	85		-		70-130	-		
Dichlorofluoromethane	76		-		70-130	-		
Vinyl bromide	107		-		70-130	-		
Acrolein	88		-		70-130	-		
Acetone	71		-		70-130	-		
Acetonitrile	77		-		70-130	-		
Trichlorofluoromethane	98		-		70-130	-		
iso-Propyl Alcohol	75		-		70-130	-		
Acrylonitrile	92		-		70-130	-		
Pentane	78		-		70-130	-		
Ethyl ether	84		-		70-130	-		
1,1-Dichloroethene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1138980-3								
tert-Butyl Alcohol	90		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
Vinyl acetate	82		-		70-130	-		
2-Butanone	75		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		
Ethyl Acetate	100		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
2,2-Dichloropropane	100		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	87		-		70-130	-		
Isopropyl Ether	86		-		70-130	-		
Ethyl-Tert-Butyl-Ether	77		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
1,1-Dichloropropene	89		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1138980-3								
Cyclohexane	86		-		70-130	-		
Tertiary-Amyl Methyl Ether	83		-		70-130	-		
Dibromomethane	82		-		70-130	-		
1,2-Dichloropropane	83		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	85		-		70-130	-		
Heptane	84		-		70-130	-		
cis-1,3-Dichloropropene	94		-		70-130	-		
4-Methyl-2-pentanone	87		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	90		-		70-130	-		
Toluene	100		-		70-130	-		
1,3-Dichloropropane	94		-		70-130	-		
2-Hexanone	97		-		70-130	-		
Dibromochloromethane	122		-		70-130	-		
1,2-Dibromoethane	103		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	90		-		70-130	-		
Tetrachloroethene	105		-		70-130	-		
1,1,1,2-Tetrachloroethane	107		-		70-130	-		
Chlorobenzene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1138980-3								
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	126		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	103		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	84		-		70-130	-		
Isopropylbenzene	101		-		70-130	-		
Bromobenzene	92		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	99		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		
4-Ethyltoluene	109		-		70-130	-		
1,3,5-Trimethylbenzene	111		-		70-130	-		
tert-Butylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Decane (C10)	92		-		70-130	-		
Benzyl chloride	136	Q	-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
sec-Butylbenzene	102		-		70-130	-		
p-Isopropyltoluene	99		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1138980-3								
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	103		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
Undecane	89		-		70-130	-		
Dodecane (C12)	83		-		70-130	-		
1,2,4-Trichlorobenzene	110		-		70-130	-		
Naphthalene	96		-		70-130	-		
1,2,3-Trichlorobenzene	99		-		70-130	-		
Hexachlorobutadiene	113		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1138980-5 QC Sample: L1827750-01 Client ID: EFF001						
Dichlorodifluoromethane	0.380	0.395	ppbV	4		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.461	0.520	ppbV	12		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	0.398	0.430	ppbV	8		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	15.4	15.9	ppbV	3		25
Trichlorofluoromethane	0.275	0.300	ppbV	9		25
iso-Propyl Alcohol	4.04	4.20	ppbV	4		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	0.645	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1138980-5 QC Sample: L1827750-01 Client ID: EFF001						
2-Butanone	4.95	5.05	ppbV	2		25
cis-1,2-Dichloroethene	6.59	6.79	ppbV	3		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	1.21	1.25	ppbV	3		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	4.86	4.88	ppbV	0		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.259	0.269	ppbV	4		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

Lab Duplicate Analysis Batch Quality Control

Project Name: FORMER BRIGHTON CLEANER

Project Number: CIR1801

Lab Number: L1827750

Report Date: 07/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1138980-5 QC Sample: L1827750-01 Client ID: EFF001						
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	2.01	2.07	ppbV	3		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	110	114	ppbV	4		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.756	0.812	ppbV	7		25
p/m-Xylene	2.07	2.10	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.610	0.621	ppbV	2		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	0.295	0.284	ppbV	4		25
1,2,4-Trimethylbenzene	0.530	0.522	ppbV	2		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: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Serial_No:07261810:33
Lab Number: L1827750
Report Date: 07/26/18

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
L1827750-01	EFF001	188	2.7L Can	07/19/18	270443	L1827329-01	Pass	-29.4	-1.5	-	-	-	-



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

Lab Number: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/18/18 09:31
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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



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

Lab Number: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
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



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

Lab Number: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
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
1,1,1,2,2-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



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

Lab Number: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1827329**Project Number:** CANISTER QC BAT**Report Date:** 07/26/18**Air Canister Certification Results**

Lab ID: L1827329-01

Date Collected: 07/17/18 16:00

Client ID: CAN 1739 SHELF 3

Date Received: 07/18/18

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	79		60-140

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

Lab Number: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/18/18 09:31
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	0.100	--	ND	0.264	--		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
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: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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



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

Lab Number: L1827329
Report Date: 07/26/18

Air Canister Certification Results

Lab ID: L1827329-01
Client ID: CAN 1739 SHELF 3
Sample Location:

Date Collected: 07/17/18 16:00
Date Received: 07/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
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	84		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	80		60-140



Project Name: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Serial_No:07261810:33
Lab Number: L1827750
Report Date: 07/26/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1827750-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

Project Name: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Lab Number: L1827750
Report Date: 07/26/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: Data Usability Report



Project Name: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Lab Number: L1827750
Report Date: 07/26/18

Data Qualifiers

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

Project Name: FORMER BRIGHTON CLEANER
Project Number: CIR1801

Lab Number: L1827750
Report Date: 07/26/18

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 11

Published Date: 1/8/2018 4:15:49 PM

Page 1 of 1

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.



ANALYTICAL REPORT

Lab Number:	L1835036
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Jennifer Lewis
Phone:	(631) 589-6353
Project Name:	CIR1801
Project Number:	CIR1801
Report Date:	09/12/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1835036-01	MW-10	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 13:50	09/05/18
L1835036-02	MW-11	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 14:08	09/05/18
L1835036-03	MW-12	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 11:00	09/05/18
L1835036-04	MW-13	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 10:05	09/05/18
L1835036-05	MW-14	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 10:30	09/05/18
L1835036-06	MW-15	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 11:50	09/05/18
L1835036-07	MW-17	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 12:45	09/05/18
L1835036-08	MLW(15-20)	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 11:25	09/05/18
L1835036-09	MLW(35-40)	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 11:45	09/05/18
L1835036-10	DUPE	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 00:00	09/05/18
L1835036-11	FIELD BLANK	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 14:14	09/05/18
L1835036-12	TRIP BLANK	WATER	3140 CONEY ISLAND AVE., BROOKLYN	09/05/18 14:14	09/05/18

Project Name: CIR1801
Project Number: CIR1801

Lab Number: L1835036
Report Date: 09/12/18

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: CIR1801
Project Number: CIR1801

Lab Number: L1835036
Report Date: 09/12/18

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.

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

The WG1155615-6/-7 MS/MSD recoveries, performed on L1835036-05, are outside the acceptance criteria for cis-1,2-dichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 09/12/18

ORGANICS

VOLATILES

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-01
 Client ID: MW-10
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 13:50
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/10/18 15:52
 Analyst: NLK

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	0.15	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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-01

Date Collected: 09/05/18 13:50

Client ID: MW-10

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	3.2	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-01

Date Collected: 09/05/18 13:50

Client ID: MW-10

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	90		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-02
 Client ID: MW-11
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 14:08
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/10/18 16:14
 Analyst: NLK

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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-02

Date Collected: 09/05/18 14:08

Client ID: MW-11

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	1.8	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-02

Date Collected: 09/05/18 14:08

Client ID: MW-11

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	89		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-03
 Client ID: MW-12
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 11:00
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/10/18 16:36
 Analyst: NLK

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	0.44	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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-03

Date Collected: 09/05/18 11:00

Client ID: MW-12

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.82		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	1.4	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.4	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	3.4	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-03

Date Collected: 09/05/18 11:00

Client ID: MW-12

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	88		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-04
 Client ID: MW-13
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 10:05
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/10/18 17:20
 Analyst: NLK

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	11		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	0.48	J	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	2.4		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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-04

Date Collected: 09/05/18 10:05

Client ID: MW-13

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.3		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	13		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	13		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	3.2	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	0.85	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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-04

Date Collected: 09/05/18 10:05

Client ID: MW-13

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	95		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-05 D
 Client ID: MW-14
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 10:30
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 13:27
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	33		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
1,3-Dichloropropene, Total	ND		ug/l	2.0	0.58	4
1,1-Dichloropropene	ND		ug/l	10	2.8	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	2.9	J	ug/l	10	2.8	4
Vinyl chloride	140		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	1.1	J	ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-05 D
 Client ID: MW-14
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 10:30
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	13		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
Xylenes, Total	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	470		ug/l	10	2.8	4
1,2-Dichloroethene, Total	470		ug/l	10	2.8	4
Dibromomethane	ND		ug/l	20	4.0	4
1,2,3-Trichloropropane	ND		ug/l	10	2.8	4
Acrylonitrile	ND		ug/l	20	6.0	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
Vinyl acetate	ND		ug/l	20	4.0	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
2,2-Dichloropropane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,3-Dichloropropane	ND		ug/l	10	2.8	4
1,1,1,2-Tetrachloroethane	ND		ug/l	10	2.8	4
Bromobenzene	ND		ug/l	10	2.8	4
n-Butylbenzene	ND		ug/l	10	2.8	4
sec-Butylbenzene	ND		ug/l	10	2.8	4
tert-Butylbenzene	ND		ug/l	10	2.8	4
o-Chlorotoluene	ND		ug/l	10	2.8	4
p-Chlorotoluene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Hexachlorobutadiene	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	ND		ug/l	10	2.8	4

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-05 D

Date Collected: 09/05/18 10:30

Client ID: MW-14

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	ND		ug/l	10	2.8	4
1,4-Dioxane	ND		ug/l	1000	240	4
p-Diethylbenzene	ND		ug/l	8.0	2.8	4
p-Ethyltoluene	ND		ug/l	8.0	2.8	4
1,2,4,5-Tetramethylbenzene	ND		ug/l	8.0	2.2	4
Ethyl ether	ND		ug/l	10	2.8	4
trans-1,4-Dichloro-2-butene	ND		ug/l	10	2.8	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-06
 Client ID: MW-15
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 11:50
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 10:26
 Analyst: NLK

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	0.49	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	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	0.73	J	ug/l	2.5	0.70	1
Vinyl chloride	2.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.72	J	ug/l	2.5	0.70	1

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-06

Date Collected: 09/05/18 11:50

Client ID: MW-15

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.9		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	10		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	2.2	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-06

Date Collected: 09/05/18 11:50

Client ID: MW-15

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-07
 Client ID: MW-17
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 12:45
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 11:02
 Analyst: NLK

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	0.72	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	1.6		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	0.16	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	0.70	J	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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-07

Date Collected: 09/05/18 12:45

Client ID: MW-17

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.3		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	ND		ug/l	2.5	0.70	1

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-07

Date Collected: 09/05/18 12:45

Client ID: MW-17

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	0.75	J	ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	3.9		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	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-08
 Client ID: MLW(15-20)
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 11:25
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 11:38
 Analyst: NLK

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	0.62		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	0.84	J	ug/l	2.5	0.70	1
Vinyl chloride	50		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-08

Date Collected: 09/05/18 11:25

Client ID: MLW(15-20)

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.50		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	45		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	47	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	1.5	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-08

Date Collected: 09/05/18 11:25

Client ID: MLW(15-20)

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	4.3		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	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-09
 Client ID: MLW(35-40)
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 11:45
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 12:50
 Analyst: NLK

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	0.77		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	0.83	J	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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-09

Date Collected: 09/05/18 11:45

Client ID: MLW(35-40)

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	2.1	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.1	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-09

Date Collected: 09/05/18 11:45

Client ID: MLW(35-40)

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-10
 Client ID: DUPE
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 00:00
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 12:14
 Analyst: NLK

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	10		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	0.65		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	0.78	J	ug/l	2.5	0.70	1
Vinyl chloride	2.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.75	J	ug/l	2.5	0.70	1

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-10

Date Collected: 09/05/18 00:00

Client ID: DUPE

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.7		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	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	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	0.91	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	1.0	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

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-10

Date Collected: 09/05/18 00:00

Client ID: DUPE

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	2.3		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	100		70-130
Dibromofluoromethane	104		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-11
 Client ID: FIELD BLANK
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 14:14
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 14:03
 Analyst: NLK

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	0.73	J	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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-11

Date Collected: 09/05/18 14:14

Client ID: FIELD BLANK

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-11

Date Collected: 09/05/18 14:14

Client ID: FIELD BLANK

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-12
 Client ID: TRIP BLANK
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 09/05/18 14:14
 Date Received: 09/05/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/11/18 14:39
 Analyst: KJD

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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-12

Date Collected: 09/05/18 14:14

Client ID: TRIP BLANK

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

SAMPLE RESULTS

Lab ID: L1835036-12

Date Collected: 09/05/18 14:14

Client ID: TRIP BLANK

Date Received: 09/05/18

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/10/18 10:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1155605-5					
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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/10/18 10:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1155605-5					
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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/10/18 10:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1155605-5					
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	84		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	83		70-130

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/11/18 09:13
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-12 Batch: WG1155615-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	0.73	J	ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/11/18 09:13
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-12 Batch: WG1155615-5					
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: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/11/18 09:13
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-12 Batch: WG1155615-5					
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	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

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: WG1155605-3 WG1155605-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	93		89		70-130	4		20
Carbon tetrachloride	75		68		63-132	10		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	94		89		63-130	5		20
1,1,2-Trichloroethane	110		120		70-130	9		20
Tetrachloroethene	86		87		70-130	1		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	80		73		62-150	9		20
1,2-Dichloroethane	89		85		70-130	5		20
1,1,1-Trichloroethane	86		80		67-130	7		20
Bromodichloromethane	94		87		67-130	8		20
trans-1,3-Dichloropropene	96		95		70-130	1		20
cis-1,3-Dichloropropene	92		89		70-130	3		20
1,1-Dichloropropene	95		90		70-130	5		20
Bromoform	96		100		54-136	4		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	99		94		70-130	5		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	120		100		64-130	18		20
Bromomethane	110		100		39-139	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

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: WG1155605-3 WG1155605-4								
Vinyl chloride	100		99		55-140	1		20
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	100		96		61-145	4		20
trans-1,2-Dichloroethene	100		94		70-130	6		20
Trichloroethene	92		93		70-130	1		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	88		90		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dibromomethane	93		87		70-130	7		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	120		110		70-130	9		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	77		72		36-147	7		20
Acetone	100		100		58-148	0		20
Carbon disulfide	100		96		51-130	4		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	73		72		70-130	1		20
4-Methyl-2-pentanone	110		120		59-130	9		20
2-Hexanone	100		100		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

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: WG1155605-3 WG1155605-4								
Bromochloromethane	95		88		70-130	8		20
2,2-Dichloropropane	91		86		63-133	6		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	97		94		64-130	3		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	87		86		70-130	1		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	79		87		41-144	10		20
Hexachlorobutadiene	110		120		63-130	9		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	98		100		70-130	2		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	98		97		64-130	1		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	170	Q	158		56-162	7		20
p-Diethylbenzene	97		97		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: CIR1801

Lab Number: L1835036

Project Number: CIR1801

Report Date: 09/12/18

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: WG1155605-3 WG1155605-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	91		95		70-130	4		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	98		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		86		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	102		105		70-130
Dibromofluoromethane	85		85		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG1155615-3 WG1155615-4								
Methylene chloride	120		110		70-130	9		20
1,1-Dichloroethane	120		99		70-130	19		20
Chloroform	120		100		70-130	18		20
Carbon tetrachloride	120		100		63-132	18		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	110		99		70-130	11		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	110		98		62-150	12		20
1,2-Dichloroethane	120		110		70-130	9		20
1,1,1-Trichloroethane	120		100		67-130	18		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	120		100		70-130	18		20
cis-1,3-Dichloropropene	120		100		70-130	18		20
1,1-Dichloropropene	120		100		70-130	18		20
Bromoform	93		82		54-136	13		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	120		100		70-130	18		20
Toluene	110		100		70-130	10		20
Ethylbenzene	120		100		70-130	18		20
Chloromethane	120		110		64-130	9		20
Bromomethane	97		83		39-139	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG1155615-3 WG1155615-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		100		55-138	18		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	120		100		70-130	18		20
Trichloroethene	120		110		70-130	9		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	110		98		63-130	12		20
p/m-Xylene	115		105		70-130	9		20
o-Xylene	115		105		70-130	9		20
cis-1,2-Dichloroethene	120		110		70-130	9		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	100		99		64-130	1		20
Acrylonitrile	120		110		70-130	9		20
Styrene	115		105		70-130	9		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	110		100		58-148	10		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	120		110		70-130	9		20
4-Methyl-2-pentanone	110		97		59-130	13		20
2-Hexanone	110		100		57-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG1155615-3 WG1155615-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	130		110		63-133	17		20
1,2-Dibromoethane	100		99		70-130	1		20
1,3-Dichloropropane	110		100		70-130	10		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	110		100		70-130	10		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	120		100		70-130	18		20
tert-Butylbenzene	110		98		70-130	12		20
o-Chlorotoluene	120		100		70-130	18		20
p-Chlorotoluene	120		100		70-130	18		20
1,2-Dibromo-3-chloropropane	84		85		41-144	1		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	120		100		70-130	18		20
Naphthalene	80		86		70-130	7		20
n-Propylbenzene	120		100		69-130	18		20
1,2,3-Trichlorobenzene	64	Q	76		70-130	17		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	120		100		64-130	18		20
1,2,4-Trimethylbenzene	120		100		70-130	18		20
1,4-Dioxane	102		114		56-162	11		20
p-Diethylbenzene	120		100		70-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG1155615-3 WG1155615-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	110		100		59-134	10		20
trans-1,4-Dichloro-2-butene	120		110		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	102		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

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): 05-12 QC Batch ID: WG1155615-6 WG1155615-7 QC Sample: L1835036-05 Client ID: MW-14												
Methylene chloride	ND	40	42	105		46	115		70-130	9		20
1,1-Dichloroethane	ND	40	40	100		42	105		70-130	5		20
Chloroform	ND	40	41	103		43	108		70-130	5		20
Carbon tetrachloride	ND	40	32	80		31	78		63-132	3		20
1,2-Dichloropropane	ND	40	39	98		42	105		70-130	7		20
Dibromochloromethane	ND	40	34	85		36	90		63-130	6		20
1,1,2-Trichloroethane	ND	40	38	95		40	100		70-130	5		20
Tetrachloroethene	33	40	58	62	Q	55	55	Q	70-130	5		20
Chlorobenzene	ND	40	33	82		32	80		75-130	3		20
Trichlorofluoromethane	ND	40	32	80		30	75		62-150	6		20
1,2-Dichloroethane	ND	40	41	103		46	115		70-130	11		20
1,1,1-Trichloroethane	ND	40	36	90		36	90		67-130	0		20
Bromodichloromethane	ND	40	38	95		41	103		67-130	8		20
trans-1,3-Dichloropropene	ND	40	35	88		36	90		70-130	3		20
cis-1,3-Dichloropropene	ND	40	36	90		38	95		70-130	5		20
1,1-Dichloropropene	ND	40	33	82		32	80		70-130	3		20
Bromoform	ND	40	26	65		29	72		54-136	11		20
1,1,2,2-Tetrachloroethane	ND	40	35	88		39	98		67-130	11		20
Benzene	ND	40	38	95		39	98		70-130	3		20
Toluene	ND	40	33	82		32	80		70-130	3		20
Ethylbenzene	ND	40	32	80		30	75		70-130	6		20
Chloromethane	ND	40	38	95		42	105		64-130	10		20
Bromomethane	2.9J	40	13	32	Q	18	45		39-139	32	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

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): 05-12 QC Batch ID: WG1155615-6 WG1155615-7 QC Sample: L1835036-05 Client ID: MW-14												
Vinyl chloride	140	40	170	75		160	50	Q	55-140	6		20
Chloroethane	ND	40	44	110		46	115		55-138	4		20
1,1-Dichloroethene	1.1J	40	37	92		35	88		61-145	6		20
trans-1,2-Dichloroethene	ND	40	39	98		37	92		70-130	5		20
Trichloroethene	13	40	47	85		47	85		70-130	0		20
1,2-Dichlorobenzene	ND	40	32	80		32	80		70-130	0		20
1,3-Dichlorobenzene	ND	40	30	75		29	72		70-130	3		20
1,4-Dichlorobenzene	ND	40	30	75		29	72		70-130	3		20
Methyl tert butyl ether	ND	40	38	95		43	108		63-130	12		20
p/m-Xylene	ND	80	64	80		60	75		70-130	6		20
o-Xylene	ND	80	67	84		64	80		70-130	5		20
cis-1,2-Dichloroethene	470	40	470	0	Q	460	0	Q	70-130	2		20
Dibromomethane	ND	40	39	98		44	110		70-130	12		20
1,2,3-Trichloropropane	ND	40	34	85		38	95		64-130	11		20
Acrylonitrile	ND	40	39	98		44	110		70-130	12		20
Styrene	ND	80	68	85		67	84		70-130	1		20
Dichlorodifluoromethane	ND	40	33	82		31	78		36-147	6		20
Acetone	ND	40	35	88		41	103		58-148	16		20
Carbon disulfide	ND	40	32	80		33	82		51-130	3		20
2-Butanone	ND	40	37	92		44	110		63-138	17		20
Vinyl acetate	ND	40	41	103		46	115		70-130	11		20
4-Methyl-2-pentanone	ND	40	35	88		40	100		59-130	13		20
2-Hexanone	ND	40	37	92		40	100		57-130	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

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): 05-12 QC Batch ID: WG1155615-6 WG1155615-7 QC Sample: L1835036-05 Client ID: MW-14												
Bromochloromethane	ND	40	39	98		43	108		70-130	10		20
2,2-Dichloropropane	ND	40	33	82		32	80		63-133	3		20
1,2-Dibromoethane	ND	40	36	90		38	95		70-130	5		20
1,3-Dichloropropane	ND	40	37	92		40	100		70-130	8		20
1,1,1,2-Tetrachloroethane	ND	40	35	88		34	85		64-130	3		20
Bromobenzene	ND	40	32	80		32	80		70-130	0		20
n-Butylbenzene	ND	40	28	70		26	65		53-136	7		20
sec-Butylbenzene	ND	40	27	68	Q	26	65	Q	70-130	4		20
tert-Butylbenzene	ND	40	27	68	Q	26	65	Q	70-130	4		20
o-Chlorotoluene	ND	40	31	78		29	72		70-130	7		20
p-Chlorotoluene	ND	40	30	75		29	72		70-130	3		20
1,2-Dibromo-3-chloropropane	ND	40	26	65		31	78		41-144	18		20
Hexachlorobutadiene	ND	40	25	62	Q	25	62	Q	63-130	0		20
Isopropylbenzene	ND	40	29	72		27	68	Q	70-130	7		20
p-Isopropyltoluene	ND	40	27	68	Q	25	62	Q	70-130	8		20
Naphthalene	ND	40	47	118		34	85		70-130	32	Q	20
n-Propylbenzene	ND	40	29	72		27	68	Q	69-130	7		20
1,2,3-Trichlorobenzene	ND	40	22	55	Q	24	60	Q	70-130	9		20
1,2,4-Trichlorobenzene	ND	40	28	70		28	70		70-130	0		20
1,3,5-Trimethylbenzene	ND	40	29	72		28	70		64-130	4		20
1,2,4-Trimethylbenzene	ND	40	30	75		28	70		70-130	7		20
1,4-Dioxane	ND	2000	850J	42	Q	1700	85		56-162	67	Q	20
p-Diethylbenzene	ND	40	28	70		26	65	Q	70-130	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CIR1801

Project Number: CIR1801

Lab Number: L1835036

Report Date: 09/12/18

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): 05-12 QC Batch ID: WG1155615-6 WG1155615-7 QC Sample: L1835036-05 Client ID: MW-14												
p-Ethyltoluene	ND	40	28	70		27	68	Q	70-130	4		20
1,2,4,5-Tetramethylbenzene	ND	40	29	72		28	70		70-130	4		20
Ethyl ether	ND	40	40	100		44	110		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	40	32	80		36	90		70-130	12		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	101		99		70-130
Toluene-d8	98		98		70-130

Project Name: CIR1801**Lab Number:** L1835036**Project Number:** CIR1801**Report Date:** 09/12/18**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(*)
L1835036-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-04A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-04B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-04C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05A1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05A2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05B1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05B2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05C1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-05C2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-06A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-06B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

Project Name: CIR1801
Project Number: CIR1801

Serial_No: 09121821:27
Lab Number: L1835036
Report Date: 09/12/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835036-06C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-07A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-07B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-07C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-08A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-08B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-08C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-09A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-09B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-09C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-10A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-10B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-10C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-11A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-11B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-11C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-12A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L1835036-12B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

Project Name: CIR1801
Project Number: CIR1801

Lab Number: L1835036
Report Date: 09/12/18

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: DU Report with 'J' Qualifiers



Project Name: CIR1801
Project Number: CIR1801

Lab Number: L1835036
Report Date: 09/12/18

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- 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: CIR1801**Lab Number:** L1835036**Project Number:** CIR1801**Report Date:** 09/12/18

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 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 <u>1</u> of <u>2</u>		Date Rec'd in Lab <u>9/6/18</u>		ALPHA Job # <u>U835036</u>																																																																				
	Project Information Project Name: <u>CIR1801</u> Project Location: <u>3140 Convent Island Ave. Brooklyn</u> Project # <u>CIR1801</u> (Use Project name as Project #) ☒ Project Manager: <u>Sennifer Lewis</u> 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 # _____																																																																				
Client Information Client: <u>PWGC</u> Address: <u>630 Johnson Ave. St. 7</u> <u>Brooklyn NY 11216</u> Phone: <u>631-589-6353</u> Fax: _____ Email: <u>Sennifer.Lewis@pwgc.com</u>				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____																																																																					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ Please specify Metals or TAL: _____				ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th>Collection Date</th> <th>Collection Time</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>Analysis Results</th> </tr> <tr> <td>35036-01</td> <td>MW-10</td> <td>9-5-18</td> <td>1350</td> <td>GW</td> <td>NR</td> <td rowspan="10" style="text-align: center; vertical-align: middle;"> (Please Specify below) </td> </tr> <tr><td>-02</td><td>MW-11</td><td></td><td>1408</td><td></td><td></td></tr> <tr><td>-03</td><td>MW-12</td><td></td><td>1100</td><td></td><td></td></tr> <tr><td>-04</td><td>MW-13</td><td></td><td>1005</td><td></td><td></td></tr> <tr><td>-05</td><td>MW-14 / MS/MSD</td><td></td><td>1030</td><td></td><td></td></tr> <tr><td>-06</td><td>MW-15</td><td></td><td>1150</td><td></td><td></td></tr> <tr><td>-07</td><td>MW-17</td><td></td><td>1245</td><td></td><td></td></tr> <tr><td>-08</td><td>MLW(15-20)</td><td></td><td>1125</td><td></td><td></td></tr> <tr><td>-09</td><td>MLW(35-40)</td><td></td><td>1145</td><td></td><td></td></tr> <tr><td>-10</td><td>DUPE</td><td></td><td>XX</td><td></td><td></td></tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Analysis Results	35036-01	MW-10	9-5-18	1350	GW	NR	(Please Specify below)	-02	MW-11		1408			-03	MW-12		1100			-04	MW-13		1005			-05	MW-14 / MS/MSD		1030			-06	MW-15		1150			-07	MW-17		1245			-08	MLW(15-20)		1125			-09	MLW(35-40)		1145			-10	DUPE		XX			Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 <u>A</u> Preservative <u>B</u>				Relinquished By: <u>Nam Kim</u> Date/Time: <u>9-5-18 1620</u> <u>Faul Maggella</u> <u>9/5/18 1940</u> <u>Faul Maggella</u> <u>9/6/18 12:55</u>		Received By: <u>Faul Maggella</u> Date/Time: <u>9/5/18 1620</u> <u>Faul Maggella</u> <u>9/5/18 20:09</u> <u>Faul Maggella</u> <u>9/6/18 0055</u>																																																																					
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																											

Page 68 of 68



ANALYTICAL REPORT

Lab Number:	L1908838
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:	CIR1901
Report Date:	03/13/19

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), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1908838-01	FIELD BLANK	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 12:00	03/07/19
L1908838-02	TRIP BLANK	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 00:00	03/07/19
L1908838-03	DUPE	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 00:00	03/07/19
L1908838-04	MLW-15-20	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 12:26	03/07/19
L1908838-05	MLW-35-40	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 12:37	03/07/19
L1908838-06	MW-10	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 14:22	03/07/19
L1908838-07	MW-11	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 14:50	03/07/19
L1908838-08	MW-12	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 11:30	03/07/19
L1908838-09	MW-13	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 11:50	03/07/19
L1908838-10	MW-14	WATER	3140 CONEY ISLAND AVE., BROOKLYN	03/06/19 12:12	03/07/19

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

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:



Amita Naik

Title: Technical Director/Representative

Date: 03/13/19

ORGANICS

VOLATILES

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-01
 Client ID: FIELD BLANK
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:00
 Date Received: 03/07/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/12/19 14:27
 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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS****Lab ID:** L1908838-01**Date Collected:** 03/06/19 12:00**Client ID:** FIELD BLANK**Date Received:** 03/07/19**Sample Location:** 3140 CONEY ISLAND AVE., BROOKLYN**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	2.9	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-01
Client ID: FIELD BLANK
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:00
Date Received: 03/07/19
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	110		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	91		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-02
Client ID: TRIP BLANK
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 00:00
Date Received: 03/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/12/19 14:53
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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-02

Date Collected: 03/06/19 00:00

Client ID: TRIP BLANK

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	3.4	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-02
Client ID: TRIP BLANK
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 00:00
Date Received: 03/07/19
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	109		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	89		70-130

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-03
 Client ID: DUPE
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 00:00
 Date Received: 03/07/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/12/19 15:18
 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	1.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	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	0.13	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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-03

Date Collected: 03/06/19 00:00

Client ID: DUPE

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.41	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	2.2	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-03
Client ID: DUPE
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 00:00
Date Received: 03/07/19
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	110		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	91		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-04
Client ID: MLW-15-20
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:26
Date Received: 03/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/12/19 15:43
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	3.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	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	39		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.35	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.4	J	ug/l	2.5	0.70	1

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-04

Date Collected: 03/06/19 12:26

Client ID: MLW-15-20

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.9		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	130		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	130	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	4.5	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-04
Client ID: MLW-15-20
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:26
Date Received: 03/07/19
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	1.8	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	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	92		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-05
Client ID: MLW-35-40
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:37
Date Received: 03/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/12/19 16:09
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	0.29	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	0.81	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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-05

Date Collected: 03/06/19 12:37

Client ID: MLW-35-40

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	2.6		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.6		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	2.0	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-05
Client ID: MLW-35-40
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:37
Date Received: 03/07/19
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	112		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	91		70-130

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-06
 Client ID: MW-10
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 14:22
 Date Received: 03/07/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/12/19 16:35
 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	2.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-06

Date Collected: 03/06/19 14:22

Client ID: MW-10

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.64		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	2.8	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-06
Client ID: MW-10
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 14:22
Date Received: 03/07/19
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	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	91		70-130

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-07
 Client ID: MW-11
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 14:50
 Date Received: 03/07/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/12/19 17:00
 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	0.28	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-07

Date Collected: 03/06/19 14:50

Client ID: MW-11

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

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	18		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
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-07
Client ID: MW-11
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 14:50
Date Received: 03/07/19
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	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	92		70-130

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-08
 Client ID: MW-12
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 11:30
 Date Received: 03/07/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 03/12/19 17:25
 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	1.8		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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-08

Date Collected: 03/06/19 11:30

Client ID: MW-12

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.58		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	0.78	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.78	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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-08
Client ID: MW-12
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 11:30
Date Received: 03/07/19
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	110		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	91		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-09
Client ID: MW-13
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 11:50
Date Received: 03/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/12/19 17:51
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	3.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.49	J	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	0.97	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:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-09

Date Collected: 03/06/19 11:50

Client ID: MW-13

Date Received: 03/07/19

Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.6		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	2.9		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.9		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	2.8	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	0.74	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
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-09
Client ID: MW-13
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 11:50
Date Received: 03/07/19
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	0.83	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	107		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	89		70-130

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-10 **D**
Client ID: MW-14
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:12
Date Received: 03/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/12/19 18:16
Analyst: PK

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	31		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	110		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	1.3	J	ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**SAMPLE RESULTS**

Lab ID: L1908838-10 D
 Client ID: MW-14
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:12
 Date Received: 03/07/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	11		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
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	540		ug/l	12	3.5	5
1,2-Dichloroethene, Total	540		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	7.5	J	ug/l	25	7.3	5
Carbon disulfide	ND		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

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

SAMPLE RESULTS

Lab ID: L1908838-10 **D**
Client ID: MW-14
Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 03/06/19 12:12
Date Received: 03/07/19
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	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
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		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	109		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	92		70-130

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1908838

Project Number: CIR1901

Report Date: 03/13/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/12/19 09:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1214926-5					
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: L1908838

Project Number: CIR1901

Report Date: 03/13/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/12/19 09:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1214926-5					
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: L1908838

Project Number: CIR1901

Report Date: 03/13/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/12/19 09:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1214926-5					
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	106		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 Batch: WG1214926-3 WG1214926-4								
Methylene chloride	98		95		70-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		98		70-130	2		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	91		90		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	90		88		62-150	2		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	94		94		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		98		70-130	2		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	92		92		64-130	0		20
Bromomethane	48		48		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 Batch: WG1214926-3 WG1214926-4								
Vinyl chloride	100		98		55-140	2		20
Chloroethane	95		95		55-138	0		20
1,1-Dichloroethene	91		88		61-145	3		20
trans-1,2-Dichloroethene	94		92		70-130	2		20
Trichloroethene	92		91		70-130	1		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	120		120		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	91		89		36-147	2		20
Acetone	130		120		58-148	8		20
Carbon disulfide	90		88		51-130	2		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	120		120		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 Batch: WG1214926-3 WG1214926-4								
Bromochloromethane	97		94		70-130	3		20
2,2-Dichloropropane	99		95		63-133	4		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	100		99		41-144	1		20
Hexachlorobutadiene	86		85		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	110		110		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	99		100		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	64		74		56-162	14		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 Batch: WG1214926-3 WG1214926-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	99		99		59-134	0		20
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		105		70-130
Toluene-d8	105		107		70-130
4-Bromofluorobenzene	108		107		70-130
Dibromofluoromethane	94		93		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 QC Batch ID: WG1214926-6 WG1214926-7 QC Sample: L1908838-10 Client ID: MW-14												
Methylene chloride	ND	50	56	112		57	114		70-130	2		20
1,1-Dichloroethane	ND	50	62	124		63	126		70-130	2		20
Chloroform	ND	50	57	114		58	116		70-130	2		20
Carbon tetrachloride	ND	50	55	110		55	110		63-132	0		20
1,2-Dichloropropane	ND	50	59	118		61	122		70-130	3		20
Dibromochloromethane	ND	50	54	108		54	108		63-130	0		20
1,1,2-Trichloroethane	ND	50	61	122		62	124		70-130	2		20
Tetrachloroethene	31	50	81	100		78	94		70-130	4		20
Chlorobenzene	ND	50	56	112		55	110		75-130	2		20
Trichlorofluoromethane	ND	50	55	110		55	110		62-150	0		20
1,2-Dichloroethane	ND	50	59	118		60	120		70-130	2		20
1,1,1-Trichloroethane	ND	50	57	114		56	112		67-130	2		20
Bromodichloromethane	ND	50	55	110		56	112		67-130	2		20
trans-1,3-Dichloropropene	ND	50	58	116		57	114		70-130	2		20
cis-1,3-Dichloropropene	ND	50	53	106		54	108		70-130	2		20
1,1-Dichloropropene	ND	50	59	118		60	120		70-130	2		20
Bromoform	ND	50	49	98		50	100		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	50	58	116		59	118		67-130	2		20
Benzene	ND	50	57	114		58	116		70-130	2		20
Toluene	ND	50	58	116		58	116		70-130	0		20
Ethylbenzene	ND	50	57	114		56	112		70-130	2		20
Chloromethane	ND	50	63	126		61	122		64-130	3		20
Bromomethane	ND	50	22	44		27	54		39-139	20		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 QC Batch ID: WG1214926-6 WG1214926-7 QC Sample: L1908838-10 Client ID: MW-14												
Vinyl chloride	110	50	180	140		170	120		55-140	6		20
Chloroethane	ND	50	57	114		59	118		55-138	3		20
1,1-Dichloroethene	1.3J	50	55	110		56	112		61-145	2		20
trans-1,2-Dichloroethene	ND	50	55	110		56	112		70-130	2		20
Trichloroethene	11	50	64	106		64	106		70-130	0		20
1,2-Dichlorobenzene	ND	50	55	110		54	108		70-130	2		20
1,3-Dichlorobenzene	ND	50	54	108		54	108		70-130	0		20
1,4-Dichlorobenzene	ND	50	54	108		54	108		70-130	0		20
Methyl tert butyl ether	ND	50	55	110		56	112		63-130	2		20
p/m-Xylene	ND	100	110	110		110	110		70-130	0		20
o-Xylene	ND	100	110	110		110	110		70-130	0		20
cis-1,2-Dichloroethene	540	50	600	120		600	120		70-130	0		20
Dibromomethane	ND	50	54	108		55	110		70-130	2		20
1,2,3-Trichloropropane	ND	50	54	108		54	108		64-130	0		20
Acrylonitrile	ND	50	62	124		61	122		70-130	2		20
Styrene	ND	100	110	110		110	110		70-130	0		20
Dichlorodifluoromethane	ND	50	58	116		57	114		36-147	2		20
Acetone	7.5J	50	73	146		73	146		58-148	0		20
Carbon disulfide	ND	50	53	106		53	106		51-130	0		20
2-Butanone	ND	50	64	128		60	120		63-138	6		20
Vinyl acetate	ND	50	63	126		65	130		70-130	3		20
4-Methyl-2-pentanone	ND	50	54	108		56	112		59-130	4		20
2-Hexanone	ND	50	60	120		60	120		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1908838

Report Date: 03/13/19

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 QC Batch ID: WG1214926-6 WG1214926-7 QC Sample: L1908838-10 Client ID: MW-14												
Bromochloromethane	ND	50	52	104		53	106		70-130	2		20
2,2-Dichloropropane	ND	50	49	98		50	100		63-133	2		20
1,2-Dibromoethane	ND	50	55	110		56	112		70-130	2		20
1,3-Dichloropropane	ND	50	61	122		61	122		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	50	54	108		54	108		64-130	0		20
Bromobenzene	ND	50	53	106		54	108		70-130	2		20
n-Butylbenzene	ND	50	57	114		56	112		53-136	2		20
sec-Butylbenzene	ND	50	57	114		57	114		70-130	0		20
tert-Butylbenzene	ND	50	55	110		54	108		70-130	2		20
o-Chlorotoluene	ND	50	73	146	Q	73	146	Q	70-130	0		20
p-Chlorotoluene	ND	50	56	112		56	112		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	50	47	94		49	98		41-144	4		20
Hexachlorobutadiene	ND	50	47	94		46	92		63-130	2		20
Isopropylbenzene	ND	50	56	112		56	112		70-130	0		20
p-Isopropyltoluene	ND	50	54	108		54	108		70-130	0		20
Naphthalene	ND	50	53	106		54	108		70-130	2		20
n-Propylbenzene	ND	50	57	114		57	114		69-130	0		20
1,2,3-Trichlorobenzene	ND	50	50	100		50	100		70-130	0		20
1,2,4-Trichlorobenzene	ND	50	49	98		50	100		70-130	2		20
1,3,5-Trimethylbenzene	ND	50	56	112		55	110		64-130	2		20
1,2,4-Trimethylbenzene	ND	50	55	110		56	112		70-130	2		20
1,4-Dioxane	ND	2500	650J	26	Q	1600	64		56-162	84	Q	20
p-Diethylbenzene	ND	50	53	106		53	106		70-130	0		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19

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 QC Batch ID: WG1214926-6 WG1214926-7 QC Sample: L1908838-10 Client ID: MW-14												
p-Ethyltoluene	ND	50	55	110		56	112		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	50	53	106		54	108		70-130	2		20
Ethyl ether	ND	50	56	112		58	116		59-134	4		20
trans-1,4-Dichloro-2-butene	ND	50	56	112		58	116		70-130	4		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		107		70-130
4-Bromofluorobenzene	106		104		70-130
Dibromofluoromethane	95		95		70-130
Toluene-d8	107		106		70-130

Project Name: FORMER BRIGHTON CLEANERS**Lab Number:** L1908838**Project Number:** CIR1901**Report Date:** 03/13/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1908838-01A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-01B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-01C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-02A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-02B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-02C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-03A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-03B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-03C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-04A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-04B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-04C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-05A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-05B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-05C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-06A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-06B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-06C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-07A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-07B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-07C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-08A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-08B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Serial_No:03131920:10
Lab Number: L1908838
Report Date: 03/13/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1908838-08C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-09A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-09B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-09C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10A1	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10B1	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10C1	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10D	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10E	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L1908838-10F	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

GLOSSARY

Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

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.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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 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.
- 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).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR1901

Lab Number: L1908838
Report Date: 03/13/19

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** 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 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; 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, **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 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, 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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, 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

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 4

of

Date Rec'd
in Lab 3-8-19

ALPHA Job #
L1908838

Project Information

Project Name: CIR 1901 - Former Brighton Cleaners

Project Location: 3140 Conant Island Ave. Brooklyn

Project # CI R1901

(Use Project name as Project #)	☐

Project Manager: Jennifer Lewis

ALPHAQuote #:

Turn-Around Time

Standard

Due Date:

Rush (only if pre approved) ☐

of Days:

Client Information

Client: PWGC

Address: 630 Samson ave. st 7

Bohemia NK 11716

Phone: 031-587-6353

Fax:

Email: Seniferleap@yahoo.com

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
08838-01	Field Blank	3-6-19	1200	-	NR
02	Trip Blank		-	-	
03	bupe		XX	GW	
04	MLW-15-20		1228		
05	MLW-35-40		1237		
06	MW-10		1422		
07	MW-11		1450		
08	MW-12		1130		
09	MW-13		1150		
10	MW-14/MS/MSD	✓	1212	✓	✓

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
Q = 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



APPENDIX D

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
PWGROSSER.COM

630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Inspector's Name: Kaitlyn Crosby

Inspection Time: 08:15

Inspection Date: 05/31/2018

Weather Conditions: Partly Cloudy, 70 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	N/A	CFM
VI-MS	32	" W.C.
VI-703	40	" W.C.
TI-701	89	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	21374.5	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
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

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)	-.033	-.031	-.050	-.062	-.109	-.204	-.036	-.031	-.079	-.050	-.008	-.031

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: _____

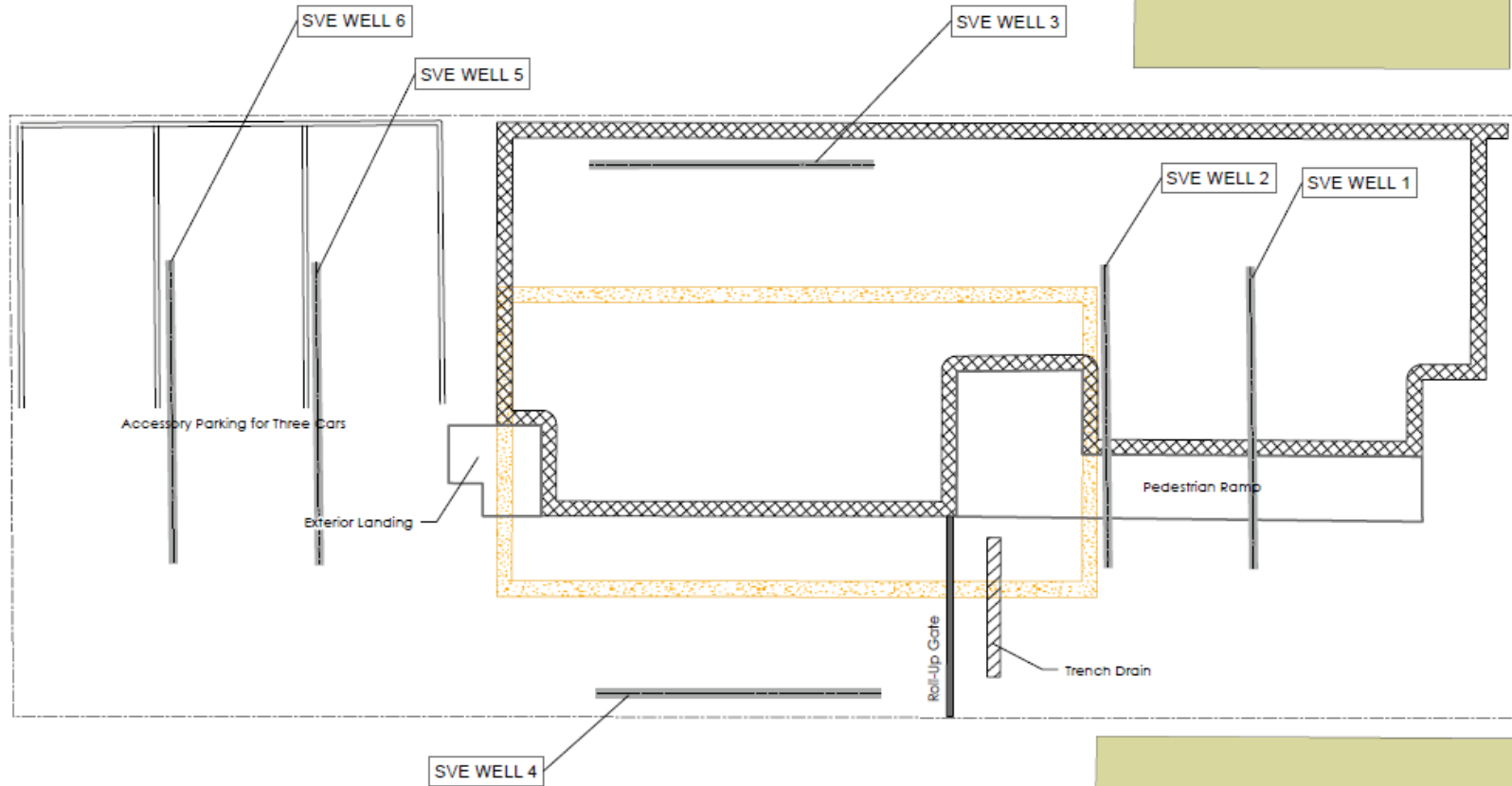
Items to be Addressed / Fixed: _____

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



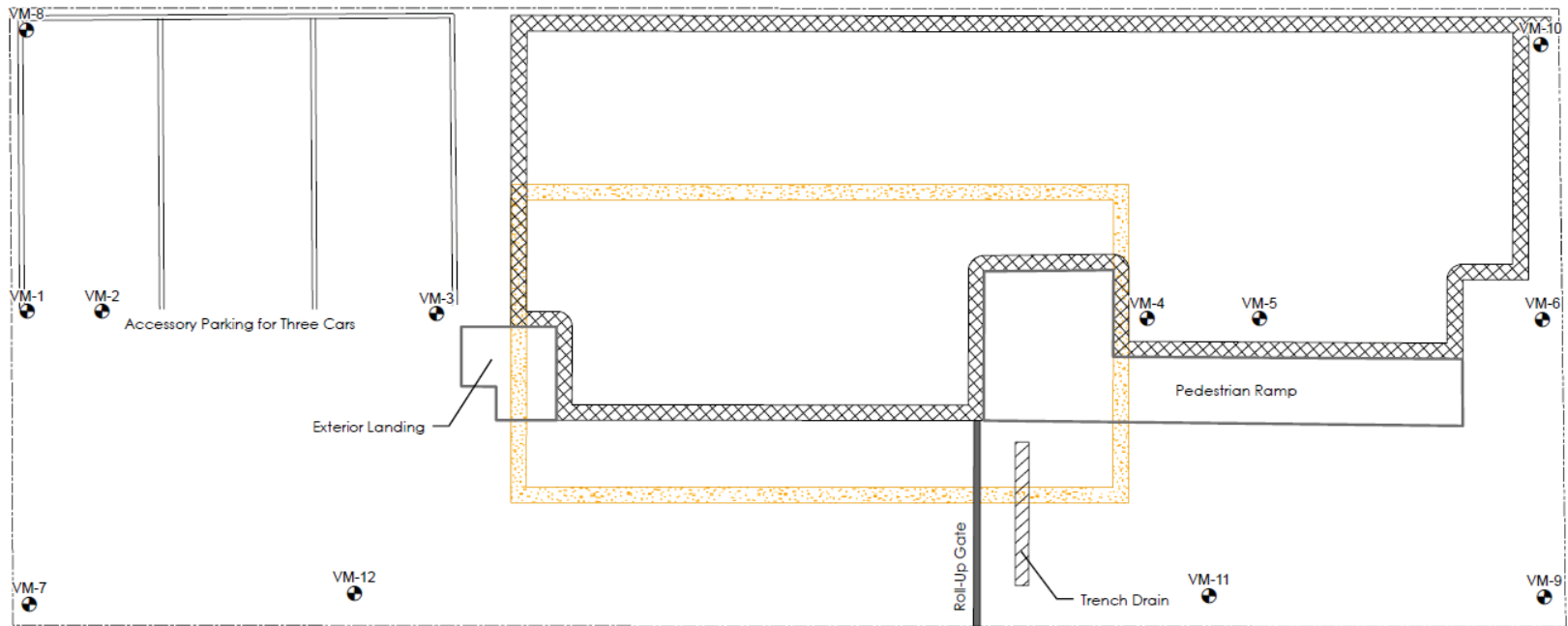
— SVE Lateral Well

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



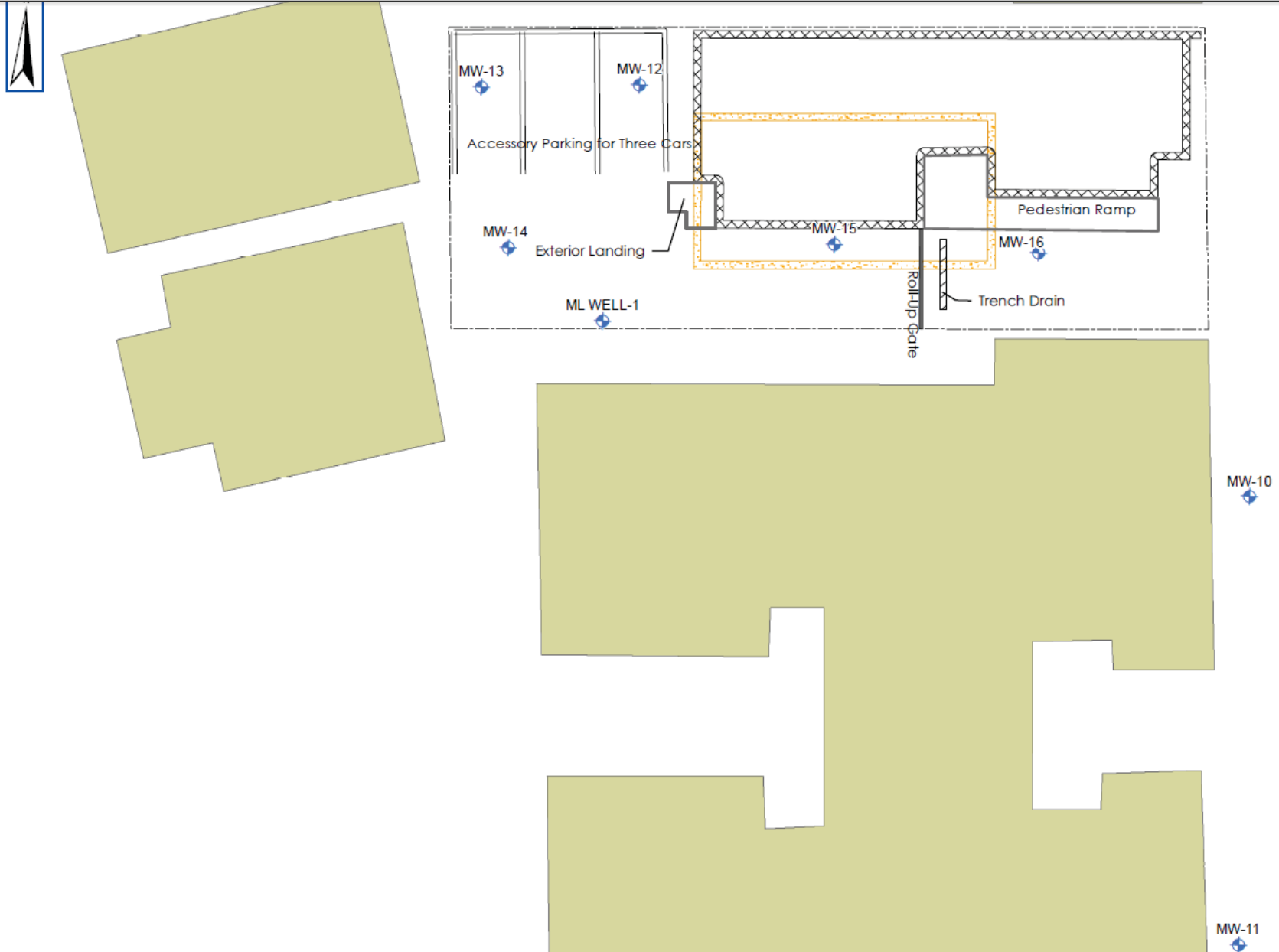
• Vacuum Monitoring Point

Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



Monthly System Performance Log

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

Inspector's Name: Nick Russell

Inspection Time: 10:00

Inspection Date: 07/19/2018

Weather Conditions: Sunny, 80 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	N/A	CFM
VI-MS	30	" W.C.
VI-703	38	" W.C.
TI-701	98	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	22550.6	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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

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)	-.025	-.027	-.034	-.077	-.064	-.096	-.020	-.022	-.079	-.066	-.013	-.012

Vapor Sample Information

Location	PID (ppm)	Start Time	Start Vacuum	End Time	End Vacuum	Sample ID	Notes
Pre-Moisture Separator						Influent	
Post-Treatment						Effluent	

Which SVE Legs are operating (valves are open to create vacuum when SVE / SSDS is operating)? See diagram on following page.

Comments: _____

Items to be Addressed / Fixed: _____

Monthly System Performance Log

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

Inspector's Name: Nick Russell

Inspection Time: 12:00

Inspection Date: 09/05/2018

Weather Conditions: Sunny, 85 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	N/A	CFM
VI-MS	31	" W.C.
VI-703	38	" W.C.
TI-701	102	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	23704.9	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')			
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

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)	-.038	-.044	-.066	-.056	-.062	-.057	-.033	-.031	-.077	-.032	-.005	-.009

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: 10/18/2018

Weather Conditions: Sunny, 55 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	N/A	CFM
VI-MS	32	" W.C.
VI-703	40	" W.C.
TI-701	77	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	24736.8	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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

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)	-.035	-.033	-.047	-.058	-.074	-.091	-.044	-.048	-.038	-.032	-.005	-.053

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: 12:30

Inspection Date: 11/01/2018

Weather Conditions: Sunny, 65 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	N/A	CFM
VI-MS	30	" W.C.
VI-703	38	" W.C.
TI-701	88	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	25073.1	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
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

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)	-.028	-.031	-.033	-.072	-.083	-.201	-.039	-.017	-.096	-.046	-.024	-.020

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: 11:45

Inspection Date: 12/03/2018

Weather Conditions: Sunny, 50 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	22	" W.C.
FI-701	N/A	CFM
VI-MS	32	" W.C.
VI-703	39	" W.C.
TI-701	75	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	25841.3	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
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

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)	-.048	-.046	-.043	-.066	-.084	-.199	-.036	-.027	-.081	-.038	-.054	-.043

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: 11:15

Inspection Date: 01/02/2019

Weather Conditions: Sunny, 45 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	N/A	CFM
VI-MS	32	" W.C.
VI-703	40	" W.C.
TI-701	70	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	26560.9	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')			
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

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)	-.052	-.057	-.057	-.052	-.081	-.194	-.042	-.034	-.107	-.064	-.048	-.053

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: 02/05/2019

Weather Conditions: Sunny, 50 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	N/A	CFM
VI-MS	32	" W.C.
VI-703	42	" W.C.
TI-701	76	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	27377.4	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

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)	-.028	-.031	-.048	-.070	-.079	-.147	-.036	-.038	-.079	-.068	-.011	-.002

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: 03/06/2019

Weather Conditions: Cloudy, 25 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	N/A	CFM
VI-MS	35	" W.C.
VI-703	40	" W.C.
TI-701	55	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	28075.0	Hours

Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10		8.38	13.29
MW-11		8.39	14.73
MW-12		8.80	12.50
MW-13		9.03	13.23
MW-14		9.02	12.60
MW-15		3.47	
MW-16		N/A	
ML-Well1 (15-20')		9.13	19.41
MW-17		9.55	11.53

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)	-.028	-.037	-.026	-.062	-.070	-.151	-.042	-.037	-.061	-.071	-.014	-.003

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 E

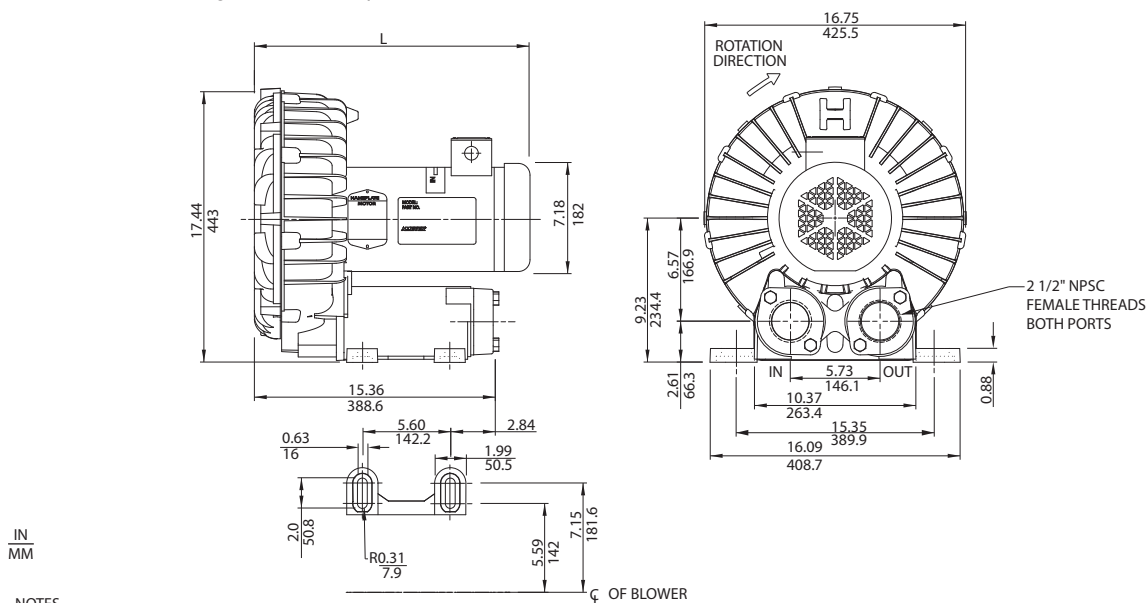
CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
PWGROSSER.COM

630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716

LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

3.0 / 5.0 HP Sealed Regenerative w/Explosion-Proof Motor



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 $\pm 10\%$ 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.

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

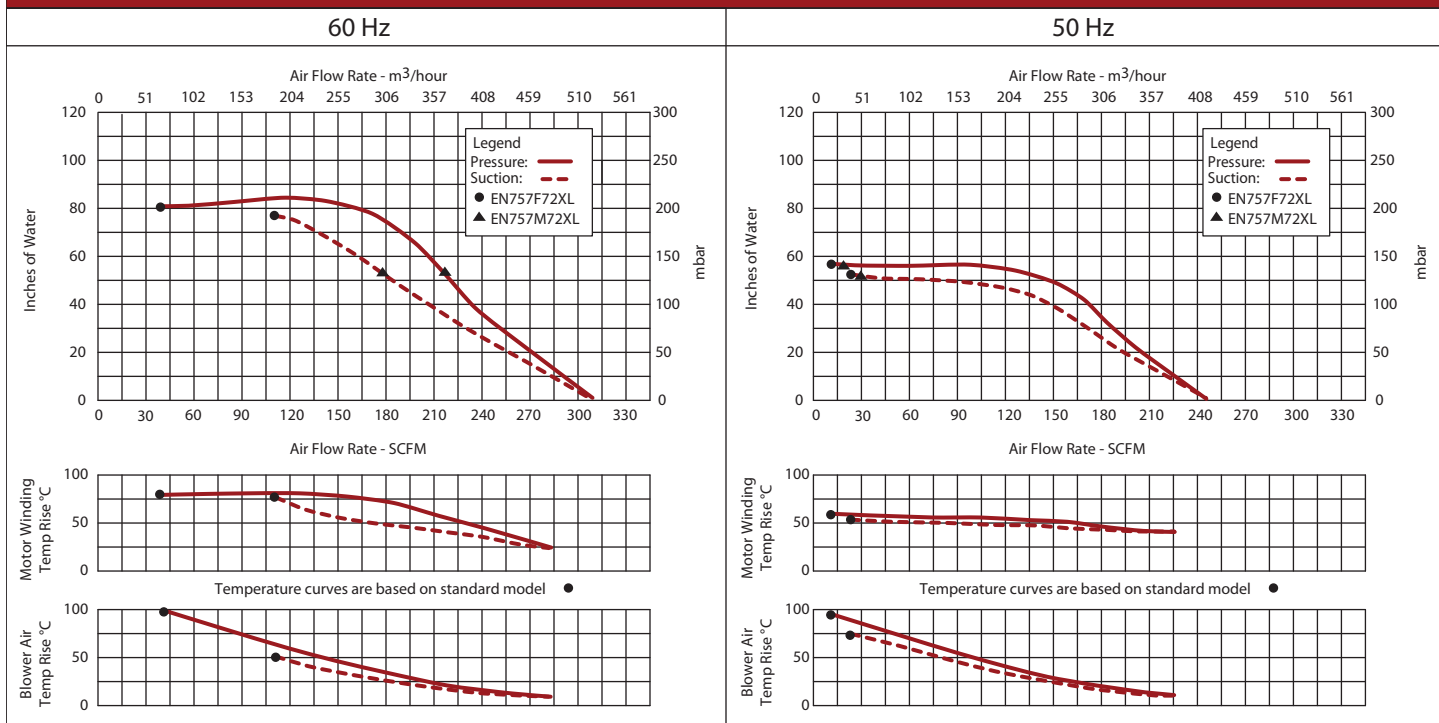
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepower for application-specific needs

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**

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.



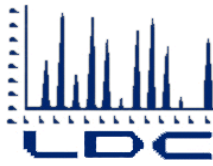
APPENDIX F

CLIENT DRIVEN SOLUTIONS

PHONE: 631.589.6353
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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 3, 2018

SUBJECT: Coney Island, Former Brighton Cleaners, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed is the final validation report for the fraction listed below. This SDG was received on September 19, 2018. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #43157:

<u>SDG #</u>	<u>Fraction</u>
L1835036	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, Revision4; 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
Project Manager/Chemist

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's. L:\PW Grosser\Coney Island\43157ST.wpd

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical, Inc.
Report No.: L1835036
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for
P.W. Grosser Consulting
Date: September 28, 2018

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-10	L1835036-01	VOC
MW-11	L1835036-02	VOC
MW-12	L1835036-03	VOC
MW-13	L1835036-04	VOC
MW-14	L1835036-05	VOC
MW-15	L1835036-06	VOC
MW-17	L1835036-07	VOC
MLW(15-20)	L1835036-08	VOC
MLW(35-40)	L1835036-09	VOC
DUPE	L1835036-10	VOC
FIELD BLANK	L1835036-11	VOC
TRIP BLANK	L1835036-12	VOC
MW-14MS	L1835036-05MS	VOC
MW-14MSD	L1835036-05MSD	VOC

Associated QC Samples(s):

Field/Trip Blanks: TRIP BLANK, FIELD BLANK

Field Duplicate pair: MW-13 and DUPE

The above-listed water samples were collected on September 5, 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
08/23/18	ICAL-VOA108	1,4-Dioxane	0.00104 (≥ 0.005)	MW-10 MW-11 MW-12 MW-13	+	UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
08/30/18	ICAL-Elaine	1,4-Dioxane	0.00167 (≥ 0.005)	MW-14 MW-15 MW-17 MLW(15-20) MLW(35-40) DUPE FIELD BLANK TRIP BLANK	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

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
08/23/18	CCV-108	Dichlorodifluoromethane	54.5	MW-10	SS	J detects/UJ nondetects
		Vinyl chloride	30.3	MW-11	SS	J detects/UJ nondetects
		1,4-Dioxane	32.7	MW-12	SS	J detects/UJ nondetects
		sec-Butylbenzene	30.9	MW-13	SS	J detects/UJ nondetects
08/31/18	CCV-Elaine	Dichlorodifluoromethane	73.5	MW-14	SS	UJ nondetects
		Chloromethane	35.6	MW-15	SS	UJ nondetects
				MW-17		
				MLW(15-20)		
				MLW(35-40)		
				DUPE		
				FIELD BLANK TRIP 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 dichlorodifluoromethane, vinyl chloride, 1,4-dioxane, sec-butylbenzene, and chloromethane 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
09/10/18	CCV-108	Dichlorodifluoromethane	23.5	MW-10	XX	UJ nondetects
		Vinyl acetate	26.7	MW-11	XX	UJ nondetects
		Carbon tetrachloride	24.8	MW-12	XX	UJ nondetects
		1,4-Dioxane	69.2	MW-13	XX	UJ nondetects
09/11/18	CCV-Elaine	2,2-Dichloropropane	28	MW-14	XX	UJ nondetects
		n-Propylbenzene	20.2	MW-15	XX	UJ nondetects
		trans-1,4-Dichloro-2-butene	22.4	MW-17	XX	UJ nondetects
		n-Butylbenzene	23.5	MLW(15-20)	XX	UJ nondetects
		Naphthalene	20.3	MLW(35-40)	XX	UJ nondetects
		1,2,3-Trichlorobenzene	36.2	DUPE	XX	UJ nondetects
				FIELD BLANK TRIP 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 dichlorodifluoromethane, vinyl acetate, carbon tetrachloride, 1,4-dioxane, 2,2-dichloropropane, n-propylbenzene, trans-1,4-dichloro-2-butene, n-butylbenzene, naphthalene, and 1,2,3-trichlorobenzene 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 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
09/10/18	CCV-108	1,4-Dioxane	0.00176 (≥ 0.005)	MW-10 MW-11 MW-12 MW-13	+	UJ nondetects
09/11/18	CCV-Elaine	1,4-Dioxane	0.00172 (≥ 0.005)	MW-14 MW-15 MW-17 MLW(15-20) MLW(35-40) DUPE FIELD BLANK TRIP BLANK	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

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 detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
WG1155615-5Blank	Bromomethane	0.73 ug/L	RL	MW-14 MW-15 MW-17 MLW(15-20) MLW(35-40) DUPE FIELD BLANK TRIP BLANK

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
MW-14	Bromomethane	2.9 ug/L	10U ug/L
MW-15	Bromomethane	0.73 ug/L	2.5U ug/L
MW-17	Bromomethane	0.70 ug/L	2.5U ug/L
MLW(15-20)	Bromomethane	0.84 ug/L	2.5U ug/L
MLW(35-40)	Bromomethane	0.83 ug/L	2.5U ug/L
DUPE	Bromomethane	0.78 ug/L	2.5U ug/L
FIELD BLANK	Bromomethane	0.73 ug/L	2.5U ug/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Contamination was detected in the field blank sample FIELD BLANK for the VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FIELD BLANK	Bromomethane	0.73 ug/L	RL	MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-17 MLW(15-20) MLW(35-40) DUPE

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
MW-14	Bromomethane	2.9 ug/L	10U ug/L
MW-15	Bromomethane	0.73 ug/L	2.5U ug/L
MW-17	Bromomethane	0.70 ug/L	2.5U ug/L
MLW(15-20)	Bromomethane	0.84 ug/L	2.5U ug/L
MLW(35-40)	Bromomethane	0.83 ug/L	2.5U ug/L
DUPE	Bromomethane	0.78 ug/L	2.5U ug/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the trip blank sample TRIP 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
Tetrachloroethene	62 (70-130)	55 (70-130)	-	MW-14	J detects/UJ nondetects
Bromomethane	32 (39-139)	-	-		J detects/UJ nondetects
Vinyl chloride	-	50 (55-140)	-		J detects/UJ nondetects
sec-Butylbenzene	68 (70-130)	65 (70-130)	-		J detects/UJ nondetects
tert-Butylbenzene	68 (70-130)	65 (70-130)	-		J detects/UJ nondetects
Hexachlorobutadiene	62 (63-130)	62 (63-130)	-		J detects/UJ nondetects
Isopropylbenzene	-	68 (70-130)	-		J detects/UJ nondetects
p-Isopropyltoluene	68 (70-130)	62 (70-130)	-		J detects/UJ nondetects
n-Propylbenzene	-	68 (69-130)	-		J detects/UJ nondetects
1,2,3-Trichlorobenzene	55 (70-130)	60 (70-130)	-		J detects/UJ nondetects
1,4-Dioxane	42 (56-162)	-	-		J detects/UJ nondetects
p-Diethylbenzene	-	65 (70-130)	-		J detects/UJ nondetects
p-Ethyltoluene	-	68 (70-130)	-		J detects/UJ nondetects
Bromomethane	-	-	32 (≤ 20)	MW-14	J detects
Naphthalene	-	-	32 (≤ 20)	MW-14	None
1,4-Dioxane	-	-	67 (≤ 20)		

- Within limits

The tetrachloroethene, bromomethane, vinyl chloride, sec-butylbenzene, tert-butylbenzene, hexachlorobutadiene, isopropylbenzene, p-isopropyltoluene, n-propylbenzene, 1,2,3-trichlorobenzene, 1,4-dioxane, p-diethylbenzene, and p-ethyltoluene results may be biased low due to low MS/MSD percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

The bromomethane result was estimated due to MS/MSD relative percent difference. The bias cannot be determined. The results 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 naphthalene and 1,4-dioxane due to high MS/MSD relative percent differences 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)	Affected Sample	Validation Action
WG1155605-3/4	1,4-Dioxane	170 (56-162)	MW-10 MW-11 MW-12 MW-13	None

LCS ID	Compound	LCS %R (Limits)	Affected Sample	Validation Action
WG1155615-3/4	1,2,3-Trichlorobenzene	64 (70-130)	MW-14 MW-15 MW-17 MLW(15-20) MLW(35-40) DUPE FIELD BLANK TRIP BLANK	UJ nondetects

Validation action was not required for 1,4-dioxane due to high LCS percent recovery as positive results only are affected and this compound was not detected in the associated samples.

The 1,2,3-trichlorobenzene results may be biased low due to low LCS 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.

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	11	10	10
Benzene	0.48	0.65	30
Ethylbenzene	1.2	1.3	8
Vinyl chloride	2.4	2.8	15
Trichloroethene	3.3	3.7	11
cis-1,2-Dichloroethene	13	14	7
1,2-Dichloroethene, total	13	15	14
Acetone	3.2	5.0U	Not calculable
Isopropylbenzene	0.85	1.0	18
1,2,4,5-Tetramethylbenzene	1.1	2.3	71
Bromomethane	2.5U	0.78	Not calculable
trans-1,2-Dichloroethene	2.5U	0.75	Not calculable

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	4-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
Project Name : CIR1801
Lab ID : L1835036-01
Client ID : MW-10
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A20
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 13:50
Date Received : 09/05/18
Date Analyzed : 09/10/18 15:52
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	0.38	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.15	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

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-01
Client ID : MW-10
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A20
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 13:50
Date Received : 09/05/18
Date Analyzed : 09/10/18 15:52
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U J
67-64-1	Acetone	3.2	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
108-05-4	Vinyl acetate	ND	5.0	1.0	U J
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



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-01
Client ID : MW-10
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A20
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 13:50
Date Received : 09/05/18
Date Analyzed : 09/10/18 15:52
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 U
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	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

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-02
Client ID : MW-11
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A21
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:08
Date Received : 09/05/18
Date Analyzed : 09/10/18 16:14
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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

Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-02
Client ID : MW-11
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A21
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:08
Date Received : 09/05/18
Date Analyzed : 09/10/18 16:14
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	1.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-02
Client ID : MW-11
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A21
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:08
Date Received : 09/05/18
Date Analyzed : 09/10/18 16:14
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U J
104-51-8	n-Butylbenzene	ND	2.5	0.70	U J
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U JS
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	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 JS
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

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-03
Client ID : MW-12
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A22
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:00
Date Received : 09/05/18
Date Analyzed : 09/10/18 16:36
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	0.44	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
Project Name : CIR1801
Lab ID : L1835036-03
Client ID : MW-12
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A22
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:00
Date Received : 09/05/18
Date Analyzed : 09/10/18 16:36
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U ✓
79-01-6	Trichloroethene	0.82	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	1.4	2.5	0.70	J J
540-59-0	1,2-Dichloroethene, Total	1.4	2.5	0.70	J 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 JJ
67-64-1	Acetone	3.4	5.0	1.5	J J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U JJ
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

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-03
Client ID : MW-12
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A22
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:00
Date Received : 09/05/18
Date Analyzed : 09/10/18 16:36
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 U
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	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

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-04
Client ID : MW-13
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A24
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 10:05
Date Received : 09/05/18
Date Analyzed : 09/10/18 17:20
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	11	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	0.48	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	1.2	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	2.4	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

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-04
Client ID : MW-13
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A24
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 10:05
Date Received : 09/05/18
Date Analyzed : 09/10/18 17:20
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U ✓
79-01-6	Trichloroethene	3.3	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	13	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	13	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	3.2	5.0	1.5	J ✓
75-15-0	Carbon disulfide	ND	5.0	1.0	U ✓
78-93-3	2-Butanone	ND	5.0	1.9	U ↓
108-05-4	Vinyl acetate	ND	5.0	1.0	U ✓
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U ✓
591-78-6	2-Hexanone	ND	5.0	1.0	U ↓
74-97-5	Bromochloromethane	ND	2.5	0.70	U ↓
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U ↓
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U ↓
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U ↓
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U ↓



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-04
Client ID : MW-13
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : V08180910A24
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 10:05
Date Received : 09/05/18
Date Analyzed : 09/10/18 17:20
Dilution Factor : 1
Analyst : NLK
Instrument ID : VOA108
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 U
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	0.85	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 ↓
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	1.1	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

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-05D
Client ID : MW-14
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A11
Sample Amount : 2.5 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 10:30
Date Received : 09/05/18
Date Analyzed : 09/11/18 13:27
Dilution Factor : 4
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	ND	10	2.8	U
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	33	2.0	0.72	J
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
542-75-6	1,3-Dichloropropene, Total	ND	2.0	0.58	U
563-58-6	1,1-Dichloropropene	ND	10	2.8	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	ND	2.0	0.64	U
108-88-3	Toluene	ND	10	2.8	U
100-41-4	Ethylbenzene	ND	10	2.8	U
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	2.9	10	2.8	J
75-01-4	Vinyl chloride	140	4.0	0.28	J
75-00-3	Chloroethane	ND	10	2.8	U
75-35-4	1,1-Dichloroethene	1.1	2.0	0.68	J

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-05D
Client ID : MW-14
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A11
Sample Amount : 2.5 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 10:30
Date Received : 09/05/18
Date Analyzed : 09/11/18 13:27
Dilution Factor : 4
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U U
79-01-6	Trichloroethene	13	2.0	0.70	
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	2.8	U
179601-23-1	p/m-Xylene	ND	10	2.8	U
95-47-6	o-Xylene	ND	10	2.8	U
1330-20-7	Xylenes, Total	ND	10	2.8	U
156-59-2	cis-1,2-Dichloroethene	470	10	2.8	
540-59-0	1,2-Dichloroethene, Total	470	10	2.8	
74-95-3	Dibromomethane	ND	20	4.0	U U
96-18-4	1,2,3-Trichloropropane	ND	10	2.8	U
107-13-1	Acrylonitrile	ND	20	6.0	U
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U JS
67-64-1	Acetone	ND	20	5.8	U U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-05-4	Vinyl acetate	ND	20	4.0	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
74-97-5	Bromochloromethane	ND	10	2.8	U
594-20-7	2,2-Dichloropropane	ND	10	2.8	U JS
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U U
142-28-9	1,3-Dichloropropane	ND	10	2.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.8	U

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Initials: ER



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-05D
Client ID : MW-14
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A11
Sample Amount : 2.5 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 10:30
Date Received : 09/05/18
Date Analyzed : 09/11/18 13:27
Dilution Factor : 4
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	10	2.8	U ✓
104-51-8	n-Butylbenzene	ND	10	2.8	U ✓
135-98-8	sec-Butylbenzene	ND	10	2.8	U ✓
98-06-6	tert-Butylbenzene	ND	10	2.8	U ✓
95-49-8	o-Chlorotoluene	ND	10	2.8	U ✓
106-43-4	p-Chlorotoluene	ND	10	2.8	U ✓
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U ✓
87-68-3	Hexachlorobutadiene	ND	10	2.8	U ✓
98-82-8	Isopropylbenzene	ND	10	2.8	U ✓
99-87-6	p-Isopropyltoluene	ND	10	2.8	U ✓
91-20-3	Naphthalene	ND	10	2.8	U ✓
103-65-1	n-Propylbenzene	ND	10	2.8	U ✓
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.8	U ✓
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U ✓
108-67-8	1,3,5-Trimethylbenzene	ND	10	2.8	U ✓
95-63-6	1,2,4-Trimethylbenzene	ND	10	2.8	U ✓
123-91-1	1,4-Dioxane	ND	1000	240	U ✓
105-05-5	p-Diethylbenzene	ND	8.0	2.8	U ✓
622-96-8	p-Ethyltoluene	ND	8.0	2.8	U ✓
95-93-2	1,2,4,5-Tetramethylbenzene	ND	8.0	2.2	U ✓
60-29-7	Ethyl ether	ND	10	2.8	U ✓
110-57-6	trans-1,4-Dichloro-2-butene	ND	10	2.8	U ✓

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-06
Client ID : MW-15
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A06
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:50
Date Received : 09/05/18
Date Analyzed : 09/11/18 10:26
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.49	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 J
74-83-9	Bromomethane	0.73	2.5	0.70	J 2.5U
75-01-4	Vinyl chloride	2.7	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U U

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-06
Client ID : MW-15
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A06
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:50
Date Received : 09/05/18
Date Analyzed : 09/11/18 10:26
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	0.72	2.5	0.70	J J
79-01-6	Trichloroethene	3.9	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	10	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
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 J
67-64-1	Acetone	2.2	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
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 J
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U 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 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-06
Client ID : MW-15
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A06
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:50
Date Received : 09/05/18
Date Analyzed : 09/11/18 10:26
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U UJ
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U UJ
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 UJ

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-07
Client ID : MW-17
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 12:45
Date Received : 09/05/18
Date Analyzed : 09/11/18 11:02
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U J
75-34-3	1,1-Dichloroethane	0.72	2.5	0.70	J J
67-66-3	Chloroform	ND	2.5	0.70	U J
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	1.6	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	0.16	0.50	0.16	J 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	0.70	2.5	0.70	J 2.5U
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

OCT 02 2018



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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-07
Client ID : MW-17
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 12:45
Date Received : 09/05/18
Date Analyzed : 09/11/18 11:02
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U ✓
79-01-6	Trichloroethene	1.3	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 ✓



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-07
Client ID : MW-17
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A07
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 12:45
Date Received : 09/05/18
Date Analyzed : 09/11/18 11:02
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 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 U
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 U
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 U
105-05-5	p-Diethylbenzene	0.75	2.0	0.70	J U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U U
95-93-2	1,2,4,5-Tetramethylbenzene	3.9	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

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-08
Client ID : MLW(15-20)
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A08
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:25
Date Received : 09/05/18
Date Analyzed : 09/11/18 11:38
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	0.62	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	0.84	2.5	0.70	J 2.50
75-01-4	Vinyl chloride	50	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 ✓

OCT 02 2018



Initials: ER

Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-08
Client ID : MLW(15-20)
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A08
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:25
Date Received : 09/05/18
Date Analyzed : 09/11/18 11:38
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	2.1	2.5	0.70	J J
79-01-6	Trichloroethene	0.50	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	45	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	47	2.5	0.70	J J
74-95-3	Dibromomethane	ND	5.0	1.0	U U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U U
67-64-1	Acetone	1.5	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
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 U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U 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
Project Name : CIR1801
Lab ID : L1835036-08
Client ID : MLW(15-20)
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A08
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:25
Date Received : 09/05/18
Date Analyzed : 09/11/18 11:38
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U ✓
104-51-8	n-Butylbenzene	ND	2.5	0.70	U JS
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 JS
103-65-1	n-Propylbenzene	ND	2.5	0.70	U JS
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U JS
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 JS
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	4.3	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 JS

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-09
Client ID : MLW(35-40)
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A10
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:45
Date Received : 09/05/18
Date Analyzed : 09/11/18 12:50
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	0.77	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	0.83	2.5	0.70	J
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

OCT 02 2018



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-09
Client ID : MLW(35-40)
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A10
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:45
Date Received : 09/05/18
Date Analyzed : 09/11/18 12:50
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	2.1	2.5	0.70	J 5
540-59-0	1,2-Dichloroethene, Total	2.1	2.5	0.70	J 5
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 55
67-64-1	Acetone	ND	5.0	1.5	U 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 55
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U 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 02 2018

Initials: CR



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-09
Client ID : MLW(35-40)
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A10
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 11:45
Date Received : 09/05/18
Date Analyzed : 09/11/18 12:50
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U ✓
104-51-8	n-Butylbenzene	ND	2.5	0.70	U JS
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 JS
103-65-1	n-Propylbenzene	ND	2.5	0.70	U JS
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U JS
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 JS
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 JS

OCT 02 2018

Initials: CR



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-10
Client ID : DUPE
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A09
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 00:00
Date Received : 09/05/18
Date Analyzed : 09/11/18 12:14
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	10	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	0.65	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U U
100-41-4	Ethylbenzene	1.3	2.5	0.70	J J
74-87-3	Chloromethane	ND	2.5	0.70	U U
74-83-9	Bromomethane	0.78	2.5	0.70	J 2.50
75-01-4	Vinyl chloride	2.8	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U U

Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-10
Client ID : DUPE
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A09
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 00:00
Date Received : 09/05/18
Date Analyzed : 09/11/18 12:14
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	0.75	2.5	0.70	J 5
79-01-6	Trichloroethene	3.7	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U 5
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	2.5	0.70	J 5
74-95-3	Dibromomethane	ND	5.0	1.0	U 5
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 5
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 5
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



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-10
Client ID : DUPE
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A09
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 00:00
Date Received : 09/05/18
Date Analyzed : 09/11/18 12:14
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-86-1	Bromobenzene	ND	2.5	0.70	U U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U JS
135-98-8	sec-Butylbenzene	0.91	2.5	0.70	J JS
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	1.0	2.5	0.70	J JS
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U U
91-20-3	Naphthalene	ND	2.5	0.70	U JS
103-65-1	n-Propylbenzene	ND	2.5	0.70	U JS
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U JS
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 JS
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	2.3	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 JS

OCT 02 2018

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Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-11
Client ID : FIELD BLANK
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A12
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:14
Date Received : 09/05/18
Date Analyzed : 09/11/18 14:03
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 U5
74-83-9	Bromomethane	0.73	2.5	0.70	J 2.50
75-01-4	Vinyl chloride	ND	1.0	0.07	U Y
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

OCT 02 2018



Initials: CR

Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-11
Client ID : FIELD BLANK
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A12
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:14
Date Received : 09/05/18
Date Analyzed : 09/11/18 14:03
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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

Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-11
Client ID : FIELD BLANK
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A12
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:14
Date Received : 09/05/18
Date Analyzed : 09/11/18 14:03
Dilution Factor : 1
Analyst : NLK
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U U
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 U
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 U
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	ND	2.5	0.70	U 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	ND	2.0	0.54	U U
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

Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-12
Client ID : TRIP BLANK
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A13
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:14
Date Received : 09/05/18
Date Analyzed : 09/11/18 14:39
Dilution Factor : 1
Analyst : KJD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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

OCT 02 2018

Initials: CR



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-12
Client ID : TRIP BLANK
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A13
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:14
Date Received : 09/05/18
Date Analyzed : 09/11/18 14:39
Dilution Factor : 1
Analyst : KJD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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

OCT 02 2018

Initials: *CR*



Form 1 VOA

Client : P. W. Grosser
Project Name : CIR1801
Lab ID : L1835036-12
Client ID : TRIP BLANK
Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
Sample Matrix : WATER
Analytical Method : 1,8260C
Lab File ID : VE180911A13
Sample Amount : 10 ml
Level : LOW
Extract Volume (MeOH) : N/A

Lab Number : L1835036
Project Number : CIR1801
Date Collected : 09/05/18 14:14
Date Received : 09/05/18
Date Analyzed : 09/11/18 14:39
Dilution Factor : 1
Analyst : KJD
Instrument ID : ELAINE
GC Column : RTX-502.2
%Solids : N/A
Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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 ✓

OCT 02 2018



LDC #: 43157A1

VALIDATION COMPLETENESS WORKSHEET

SDG #: L1835036

Category B

Laboratory: Alpha Analytical, Inc.

Date: 9/18/18

Page: 1 of 2

Reviewer: [Signature]

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 / Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	SW, SW	% PSD = 20, r ² 1 CV ≤ 30
IV.	Continuing calibration	SW	CV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	FB = 11 TB = 12
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	100% ID
X.	Field duplicates	SW	D = 8, 10 & 4
XI.	Internal standards	Δ	
XII.	Compound quantitation RL/LOQ/LODs	Δ	
XIII.	Target compound identification	Δ	
XIV.	System performance	Δ	
XV.	Overall assessment of data	Δ	

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	L1835036-01	Water	09/05/18
2 ✓	MW-11	L1835036-02	Water	09/05/18
3 ✓	MW-12	L1835036-03	Water	09/05/18
4 ✓	MW-13	L1835036-04	Water	09/05/18
5 1	MW-14 4X	L1835036-05	Water	09/05/18
6 1	MW-15	L1835036-06	Water	09/05/18
7 1	MW-17	L1835036-07	Water	09/05/18
8 1	MLW(15-20)	L1835036-08	Water	09/05/18
9 1	MLW(35-40)	L1835036-09	Water	09/05/18
10 1	DUPE	L1835036-10	Water	09/05/18
11 1	FIELD BLANK	L1835036-11	Water	09/05/18
12 1	TRIP BLANK	L1835036-12	Water	09/05/18
13 1	MW-14MS	L1835036-05MS	Water	09/05/18

LDC #: 43157A1

VALIDATION COMPLETENESS WORKSHEET

SDG #: L1835036

Category B

Laboratory: Alpha Analytical, Inc.

Date: 9/28/18

Page: 2 of 2

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14	MW-14MSD	L1835036-05MSD	Water	09/05/18
15				
16				
17				

Notes:

1	WG1155615 - 5 Blank				
2	WG1155605 - 5 Blank				

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) $\leq 20\%$ 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) $\leq 20\%$ 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 #: 43157A ¹

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: ET
2nd Reviewer: [Signature]

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 chloride	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 #: 431

VALIDATION FINDINGS WORKSHEET

Initial Calibration

Page: 7 of 7

Reviewer: FT

2nd Reviewer: 

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y	N	N/A	Did the laboratory perform a 5 point calibration prior to sample analysis?

Y	N	N/A	Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Y/N/N/A	Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?

Y	N	N/A	Did the initial calibration meet the acceptance criteria?

Y/N/N/A	Were all %RSDs and RRFs within the validation criteria of ≤ 20 %RSD and ≥ 0.05 RRF ?

[illegible]

LDC #:

VALIDATION FINDINGS WORKSHEET

Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [Signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N N/A Was 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?

[illegible]

LDC #: 451

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1
 Reviewer: FT
 2nd Reviewer: [Signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

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 ?

[illegible]

LDC #: 43157A/**VALIDATION FINDINGS WORKSHEET**
BlanksPage: 1 of 1Reviewer: FT2nd Reviewer: Q**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.Blank analysis date: 9/11/19Conc. units: ug/lAssociated Samples: 5 - 12

Compound	Blank ID	Sample Identification							
	WG1155615-501mk	5	6	7	8	9	10	11	
B	0.73	2.9/104	0.73/2.54	0.70/2.54	0.84/2.54	0.83/2.54	0.78/2.54	0.73/2.54	

Blank analysis date: _____

Conc. units: _____

Associated Samples: _____

Compound	Blank ID	Sample Identification							

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 43157A /VALIDATION FINDINGS WORKSHEET
Field BlanksPage: 1 of 1Reviewer: FT2nd Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/LSampling date: 9/5/18Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: FB Associated Samples: 1-10

Compound	Blank ID	Sample Identification							
	<u>11</u>		<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	
<u>B</u>	<u>0.73</u>		<u>2.9/10u</u>	<u>0.73/2.5u</u>	<u>0.70/2.5u</u>	<u>0.84/2.5u</u>	<u>0.83/2.5u</u>	<u>0.78/2.5u</u>	

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 43/57A/

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates**

Page: 1 of 1Reviewer: FT2nd Reviewer: C

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
	13414	AA	62 (70-130)	55 (70-130)	()	5	J/W/A ND + Det
		B	32 (39-139)	()	()		
		B	()	()	32 (20)		J det / A Det
		C	()	50 (55-140)	()		J/W/A
		QQQ	0 (70-130)	0 (70-130)	()		no qual parent 74X
		EEE	68 (↓)	65 (↓)	()		J/W/A
		CCC	68 (↓)	65 (↓)	()		
		LLL	62 (63-130)	62 (63-130)	()		
		VV	()	68 (70-130)	()		
		GGG	68 (70-130)	62 (70-130)	()		
		YY	()	68 (69-130)	()		
		NNN	55 (70-130)	60 (70-130)	()		
		HHH H	42 (56-162)	()	()		
		p-Diethylbenzene	()	65 (70-130)	()		
		p-Ethyltoluene	()	68 (70-130)	()		
		M MM	()	()	32 (20)		J det / A NY
		HHH H	()	()	67 (20)		
			()	()	()		
			()	()	()		
			()	()	()		
			()	()	()		

LDC #: 43/57A /

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: of

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?

[illegible]

LDC#: 43157A1VALIDATION FINDINGS WORKSHEET
Field DuplicatesPage: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: GC MS VOA 8260C

Compound	Concentration (ug/L)		RPD
	4	10	
AA	11	10	10
V	0.48	0.65	30
EE	1.2	1.3	8
C	2.4	2.8	15
S	3.3	3.7	11
QQQ	13	14	7
J	13	15	14
F	3.2	5.0U	NC
VV	0.85	1.0	16
1,2,4,5-Tetramethylbenzene	1.1	2.3	71
B	2.5U	0.78	NC
PPP	2.5U	0.75	NC

LDC #: 43157A/

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: Q

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$\text{RRF} = (\text{Ax})(\text{Cis})/(\text{Ais})(\text{Cx})$$

$$\text{average RRF} = \text{sum of the RRFs/number of standards}$$

$$\% \text{RSD} = 100 * (\text{S}/\text{X})$$

Where:

Ax = Area of compound

Cx = Concentration of compound

S = Standard deviation of the RRFs

X = Mean of the RRFs

Ais = Area of associated internal standard

Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 30 std)	Recalculated (RRF 30 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/30/2018	C	0.196	0.196	0.185	0.185	9.69	9.69
	Elaine		CC	0.723	0.723	0.694	0.694	7.86	7.86
			BB	0.540	0.540	0.528	0.528	5.47	5.47

LDC #: 43157A /**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 1 of 1
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:

$$\text{RRF} = (\text{Ax})(\text{Cis})/(\text{Ais})(\text{Cx})$$

average RRF = sum of the RRFs/number of standards

$$\% \text{RSD} = 100 * (\text{S}/\text{X})$$

Where:

Ax = Area of compound

Cx = Concentration of compound

S = Standard deviation of the RRFs

X = Mean of the RRFs

Ais = Area of associated internal standard

Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 30 std)	Recalculated (RRF 30 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	8/23/2018	C	0.333	0.333	0.320	0.320	11.40	11.40
	Voa 108		CC	0.886	0.886	0.856	0.856	7.10	7.10
			BB	0.657	0.657	0.677	0.677	3.24	3.24

LDC #: 43157A/

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

Page: 1 of 1Reviewer: FT2nd 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 = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$ 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-A02 0919	9/10/18	c (1st internal standard)	0.320	0.323	0.323	0.9	0.9
			cc (2nd internal standard)	0.856	0.931	0.931	8.8	8.8
			BB (3rd internal standard)	0.677	0.689	0.689	1.8	1.8
			(4th internal standard)					
2	CCV-E/aine 0724	9/11/18	c (1st internal standard)	0.185	0.211	0.211	14.1	14.1
			cc (2nd internal standard)	0.694	0.793	0.793	14.3	14.3
			BB (3rd internal standard)	0.528	0.567	0.567	7.4	7.4
			(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 #: 43157A/**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1
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 SpikedSample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	8.892	89	89	0
1,2-Dichloroethane-d4	↓	10.009	100	100	↓
Toluene-d8	↓	10.605	106	106	↓
Bromofluorobenzene	↓	10.459	105	105	↓

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 #: 43157A1

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1Reviewer: FT2nd Reviewer: 9**METHOD:** GC/MS VOA (EPA SW 846 Method 8260B)

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:

$$\% \text{ Recovery} = 100 * (\text{SSC} - \text{SC}) / \text{SA}$$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Sample concentration

$$\text{RPD} = | \text{MSC} - \text{MSD} | * 2 / (\text{MSC} + \text{MSDC})$$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD sample: 13 + 14

Compound	Spike Added ($\mu\text{g/L}$)		Sample Concentration ($\mu\text{g/L}$)	Spiked Sample Concentration ($\mu\text{g/L}$)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
						Percent Recovery		Percent Recovery		RPD	
	MS	MSD		MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	40	40	1.128	36.904	35.252	92	89	88	85	6	5
Trichloroethene			13.132	47.068	46.956	85	85	85	85	0	0
Benzene			ND	38.012	39.08	95	95	98	98	3	3
Toluene				33.312	32.516	82	83	80	81	3	2
Chlorobenzene				32.908	32.512	82	80	80	81	3	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 #: 4357A /

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

Page: 1 of 1
 Reviewer: FT
 2nd Reviewer: [Signature]

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * SSC/SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG1155605-314

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	10.0	9.6	100	100	96	96	4	4
Trichloroethene			9.2	9.3	92	92	93	93	1	1
Benzene			9.9	9.4	99	99	94	94	5	5
Toluene			11	11	110	110	110	110	0	0
Chlorobenzene	↓	↓	10	9.8	100	100	98	98	2	2

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 #: 43157A

VALIDATION FINDINGS WORKSHEET

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?

$$\text{Concentration} = \frac{(A_s)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

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.

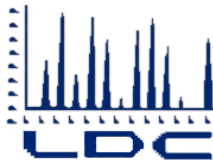
%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, C:

$$\text{Conc.} = \frac{933 \text{ (10)}}{192691 \left(\frac{0.185}{0.320} \right) \text{ ml}} = 0.1513 \text{ ug/L}$$

[illegible]



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
jenniferl@pwgrosser.com

April 2, 2019

SUBJECT: Coney Island, Former Brighton Cleaners, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed is the final validation report for the fraction listed below. This SDG was received on March 26, 2019. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #44618:

<u>SDG #</u>	<u>Fraction</u>
L1908838	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
crink@lab-data.com
Project Manager/Senior Chemist

Site: Former Brighton Cleaners
Laboratory: Alpha Analytical, Inc.
Report No.: L1908838
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for
P.W. Grosser Consulting
Date: April 2, 2019

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
FIELD BLANK	L1908838-01	VOC
TRIP BLANK	L1908838-02	VOC
DUPE	L1908838-03	VOC
MLW-15-20	L1908838-04	VOC
MLW-35-40	L1908838-05	VOC
MW-10	L1908838-06	VOC
MW-11	L1908838-07	VOC
MW-12	L1908838-08	VOC
MW-13	L1908838-09	VOC
MW-14	L1908838-10	VOC
MW-14MS	L1908838-10MS	VOC
MW-14MSD	L1908838-10MSD	VOC

Associated QC Samples(s):

Field/Trip Blanks: TRIP BLANK, FIELD BLANK

Field Duplicate pair: DUPE and MW-12

The above-listed water samples were collected on March 6, 2019 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
02/27/19	ICAL	1,4-Dioxane	0.0007 (≥ 0.005)	FIELD BLANK TRIP BLANK DUPE MLW-15-20 MLW-35-40 MW-10 MW-11 MW-12 MW-13 MW-14	+	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 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
02/28/19	ICV	Dichlorodifluoromethane	54.2	FIELD BLANK TRIP BLANK DUPE MLW-15-20 MLW-35-40 MW-10 MW-11 MW-12 MW-13 MW-14	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The dichlorodifluoromethane results were estimated due to second source verification 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
03/12/19	CCV	Bromomethane	51.7	FIELD BLANK	XX	J detects/UJ nondetects
		Acetone	30.8	TRIP BLANK	XX	J detects/UJ nondetects
		1,4-Dioxane	37.1	DUPE	XX	J detects/UJ nondetects
				MLW-15-20		
				MLW-35-40		
				MW-10		
				MW-11		
				MW-12		
				MW-13		
				MW-14		

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, and 1,4-dioxane results 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
03/12/19	CCV	1,4-Dioxane	0.00044 (≥ 0.005)	FIELD BLANK	+	UJ nondetects
				TRIP BLANK		
				DUPE		
				MLW-15-20		
				MLW-35-40		
				MW-10		
				MW-11		
				MW-12		
				MW-13		
				MW-14		

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 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.

Blanks

Contamination was not detected in the method blanks.

Contamination was detected in the trip blank sample TRIP BLANK and field blank sample FIELD BLANK for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
TRIP BLANK	Acetone	3.4 ug/L	2xRL	FIELD BLANK DUPE MLW-15-20 MLW-35-40 MW-10 MW-11 MW-12 MW-13 MW-14
FIELD BLANK	Acetone	2.9 ug/L	2xRL	DUPE MLW-15-20 MLW-35-40 MW-10 MW-11 MW-12 MW-13 MW-14

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and $\leq$ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and $\leq$ the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
FIELD BLANK	Acetone	2.9 ug/L	5.0U ug/L
DUPE	Acetone	2.2 ug/L	5.0U ug/L
MLW-15-20	Acetone	4.5 ug/L	5.0U ug/L
MLW-35-40	Acetone	2.0 ug/L	5.0U ug/L
MW-10	Acetone	2.8 ug/L	5.0U ug/L
MW-12	Acetone	3.9 ug/L	5.0U ug/L
MW-13	Acetone	2.8 ug/L	5.0U ug/L
MW-14	Acetone	7.5 ug/L	25U ug/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

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 MS/MSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
MW-14MS/MSD	o-Chlorotoluene	146 (70-130)	146 (70-130)	MW-14	None
MW-14MS/MSD	1,4-Dioxane	26 (56-162)	-	MW-14	UJ nondetects

- Within control limits

Validation action was not required for naphthalene and o-chlorotoluene due to high MS/MSD percent recovery as positive results only are affected and this compound was not detected in the associated sample.

The 1,4-dioxane result may be biased low due to low MS/MSD percent recovery. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

The following table lists the MS/MSD relative percent differences (RPD) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
MW-14MS/MSD	1,4-Dioxane	84 (≤ 20)	MW-14	None

Validation action was not required for 1,4-dioxane due to high MS/MSD relative percent difference as positive results only are affected and this compound was not detected in the associated sample.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples DUPE and MW-12 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD
	DUPE	MW-12	
Tetrachloroethene	1.0	1.8	57
Vinyl chloride	0.13	0.16	21
Trichloroethene	0.41	0.58	34
Acetone	2.2	3.9	56
cis-1,2-Dichloroethene	2.5U	0.78	Not comparable
1,2-Dichloroethene, total	2.5U	0.78	Not comparable

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
MW-14	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.

Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-01
 Client ID : FIELD BLANK
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 14:27
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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

APR 02 2019



Initials: ER

Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-01
 Client ID : FIELD BLANK
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 14:27
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
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	2.9	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

APR 02 2019



Initials: *CR*

Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-01
 Client ID : FIELD BLANK
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 14:27
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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

APR 02 2019



Initials: ER

Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-01	Date Collected	: 03/06/19 12:00
Client ID	: FIELD BLANK	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 14:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A16	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

APR 02 2019

Initials: CR



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-02
 Client ID : TRIP BLANK
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 00:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 14:53
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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

APR 02 2019



Initials: *PK*

Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-02
 Client ID : TRIP BLANK
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 00:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 14:53
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
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	3.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-02
 Client ID : TRIP BLANK
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 00:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 14:53
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U 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
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 U5
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

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-02	Date Collected	: 03/06/19 00:00
Client ID	: TRIP BLANK	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 14:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A17	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

APR 02 2019

Initials: CR



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-03
 Client ID : DUPE
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 00:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 15:18
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	1.0	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	0.13	1.0	0.07	J

APR 02 2019

Initials: *PK*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-03
 Client ID : DUPE
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 00:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 15:18
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.41	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.2	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-03
 Client ID : DUPE
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 00:00
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 15:18
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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

APR 02 2019



Initials: ER

Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-03	Date Collected	: 03/06/19 00:00
Client ID	: DUPE	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 15:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A18	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U <i>U</i>

APR 02 2019

Initials: *CR*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-04
 Client ID : MLW-15-20
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:26
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 15:43
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	3.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	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	39	1.0	0.07	

APR 02 2019

Initials: *CR*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-04
 Client ID : MLW-15-20
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:26
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 15:43
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U U
75-35-4	1,1-Dichloroethene	0.35	0.50	0.17	J J
156-60-5	trans-1,2-Dichloroethene	1.4	2.5	0.70	J J
79-01-6	Trichloroethene	2.9	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	130	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	130	2.5	0.70	J J
74-95-3	Dibromomethane	ND	5.0	1.0	U U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U UJ
67-64-1	Acetone	4.5	5.0	1.5	J 5.0UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U 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

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-04
 Client ID : MLW-15-20
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:26
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 15:43
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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	1.8	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-04	Date Collected	: 03/06/19 12:26
Client ID	: MLW-15-20	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 15:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A19	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U 

APR 02 2019

Initials: 



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-05
 Client ID : MLW-35-40
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:37
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 16:09
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	0.29	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.81	1.0	0.07	J

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Initials: ER



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-05
 Client ID : MLW-35-40
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:37
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 16:09
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
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	2.6	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	2.6	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	2.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Initials: ee



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-05
 Client ID : MLW-35-40
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:37
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 16:09
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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

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Initials: *CR*



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-05	Date Collected	: 03/06/19 12:37
Client ID	: MLW-35-40	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 16:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A20	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U <i>U</i>

APR 02 2019

Initials: *ee*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-06
 Client ID : MW-10
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 14:22
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 16:35
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	2.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	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

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-06
 Client ID : MW-10
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 14:22
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 16:35
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.64	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	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	2.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-06
 Client ID : MW-10
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 14:22
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 16:35
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-06	Date Collected	: 03/06/19 14:22
Client ID	: MW-10	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 16:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A21	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

APR 02 2019

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Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-07
 Client ID : MW-11
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 14:50
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:00
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	0.28	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

APR 02 2019



Initials: CR

Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-07
 Client ID : MW-11
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 14:50
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:00
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
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	18	5.0	1.5	
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

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-07
 Client ID : MW-11
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 14:50
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:00
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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

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Initials: *PK*

Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-07	Date Collected	: 03/06/19 14:50
Client ID	: MW-11	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 17:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A22	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

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Initials: *CE*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-08
 Client ID : MW-12
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 11:30
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:25
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	1.8	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	0.16	1.0	0.07	J

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-08
 Client ID : MW-12
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 11:30
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:25
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.58	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	0.78	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	0.78	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.9	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

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Initials: *pk*

Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-08
 Client ID : MW-12
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 11:30
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:25
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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

Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-08	Date Collected	: 03/06/19 11:30
Client ID	: MW-12	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 17:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A23	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

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Initials: *CR*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-09
 Client ID : MW-13
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 11:50
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:51
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	3.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.49	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	1.2	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	0.97	1.0	0.07	J

Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-09
 Client ID : MW-13
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 11:50
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:51
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.9	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	2.9	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	2.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

APR 02 2019

Initials: *CF*



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-09
 Client ID : MW-13
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 11:50
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 17:51
 Dilution Factor : 1
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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
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	0.74	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.83	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U

APR 02 2019

Initials: *CR*



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-09	Date Collected	: 03/06/19 11:50
Client ID	: MW-13	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 17:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A24	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U U

APR 02 2019

Initials: CR



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-10D
 Client ID : MW-14
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A25
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:12
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 18:16
 Dilution Factor : 5
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	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	31	2.5	0.90	
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	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	110	5.0	0.36	

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-10D
 Client ID : MW-14
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A25
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:12
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 18:16
 Dilution Factor : 5
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	12	3.5	U U
75-35-4	1,1-Dichloroethene	1.3	2.5	0.84	J J
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U U
79-01-6	Trichloroethene	11	2.5	0.88	
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U 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	540	12	3.5	
540-59-0	1,2-Dichloroethene, Total	540	12	3.5	
74-95-3	Dibromomethane	ND	25	5.0	U 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	25	5.0	U
67-64-1	Acetone	7.5	25	7.3	J 2.5UJ
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-05-4	Vinyl acetate	ND	25	5.0	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : FORMER BRIGHTON CLEANERS
 Lab ID : L1908838-10D
 Client ID : MW-14
 Sample Location : 3140 CONEY ISLAND AVE., BROOKLYN
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG190312A25
 Sample Amount : 2 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1908838
 Project Number : CIR1901
 Date Collected : 03/06/19 12:12
 Date Received : 03/07/19
 Date Analyzed : 03/12/19 18:16
 Dilution Factor : 5
 Analyst : PK
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	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
108-86-1	Bromobenzene	ND	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	1200	300	U
105-05-5	p-Diethylbenzene	ND	10	3.5	U
622-96-8	p-Ethyltoluene	ND	10	3.5	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	2.7	U
60-29-7	Ethyl ether	ND	12	3.5	U

APR 02 2019



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L1908838
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR1901
Lab ID	: L1908838-10D	Date Collected	: 03/06/19 12:12
Client ID	: MW-14	Date Received	: 03/07/19
Sample Location	: 3140 CONEY ISLAND AVE., BROOKLYN	Date Analyzed	: 03/12/19 18:16
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: PK
Lab File ID	: VG190312A25	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			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U 

APR 02 2019

Initials: CR



LDC #: 44618A1a
 SDG #: L9088388
 Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET Category B

Date: 4/2/19
 Page: 1 of 1
 Reviewer: F7
 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	% PSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	SW	CV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	SW	FB = 1 TB = 2
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	100% IP
X.	Field duplicates	SW	D = 3, 8
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	Results $< RL > MDL = \text{Jut}$
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	FIELD BLANK	L1908838-01	Water	03/06/19
2	TRIP BLANK	L1908838-02	Water	03/06/19
3	DUPE	L1908838-03	Water	03/06/19
4	MLW-15-20	L1908838-04	Water	03/06/19
5	MLW-35-40	L1908838-05	Water	03/06/19
6	MW-10	L1908838-06	Water	03/06/19
7	MW-11	L1908838-07	Water	03/06/19
8	MW-12	L1908838-08	Water	03/06/19
9	MW-13	L1908838-09	Water	03/06/19
10	MW-14	L1908838-10	Water	03/06/19
11	MW-14MS	L1908838-10MS	Water	03/06/19
12	MW-14MSD	L1908838-10MSD	Water	03/06/19
13	WG1214926-5			

LDC #: 44618A/a

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT
2nd Reviewer: [Signature]

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 12 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq$ 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) $\leq 20\%$ 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?	☐	☒	☐	
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 matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☒	☐	☐	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☒	☐	

LDC #: 44618A/a

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT
2nd Reviewer: [Signature]

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch in this SDG?	☒	☐	☐	
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				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
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 chloride	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 #: 44618A/a

VALIDATION FINDINGS WORKSHEET

Initial 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 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?

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 ?

[illegible]

LDC #: 44618A/a

VALIDATION FINDINGS WORKSHEET

Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [Signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was 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?

[illegible]

LDC #: 446/BA/a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: of

Reviewer: FT

2nd Reviewer: [Signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

YN 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 $\leq 20\%$ %D and ≥ 0.05 RRF ?

[illegible]

LDC #: 446/BA1aVALIDATION FINDINGS WORKSHEET
Field BlanksPage: 1 of 1Reviewer: FT2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/l Associated sample units: ug/lSampling date: 3/6/19Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: FB Associated Samples: 3 → 10

Compound	Blank ID	Sample Identification							
	1	3	4	5	6	8	9	10	
L F	2.9	2.2/5.0u	4.5/5.0u	2.0/5.0u	2.8/5.0u	3.9/5.0u	2.8/5.0u	7.5/25u	

Blank units: ug/l Associated sample units: ug/lSampling date: 3/6/19Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB Associated Samples: 1, 3 → 10

Compound	Blank ID	Sample Identification							
	2	1	3	4	5	6	8	9	10
L F	3.4	2.9/5.0u	2.2/5.0u	4.5/5.0u	2.0/5.0u	2.8/5.0u	3.9/5.0u	2.8/5.0u	7.5/25u

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #:

VALIDATION FINDINGS WORKSHEET

Page: 7 of 7

Reviewer: FT

2nd reviewer: _____

METHOD: GC/MS VOA (EPA Method 8260C)

Y N N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

[illegible][illegible]

LDC #: 44618A/a**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 1 of 1Reviewer: FT2nd Reviewer: [Signature]

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$\text{RRF} = (\text{Ax})(\text{Cis})/(\text{Ais})(\text{Cx})$$

average RRF = sum of the RRFs/number of standards

$$\% \text{RSD} = 100 * (\text{S}/\text{X})$$

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	2/27/2019	QQQ (IS 1)	0.219	0.219	0.222	0.222	7.13	7.13
	Gonzo		EE (IS 2)	1.421	1.421	1.454	1.454	8.38	8.38
			BB (IS 3)	0.429	0.429	0.441	0.441	3.18	3.18

LDC #: 44618A/a

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

Page: 1 of 1Reviewer: FT2nd 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:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

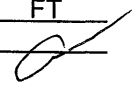
Where: ave. RRF = initial calibration average RRF

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	CW 0832	3/12/19	QQQ (1st internal standard)	0.222	0.214	0.214	3.6	3.6
			EE (2nd internal standard)	1.454	1.489	1.489	2.4	2.4
			BB (3rd internal standard)	0.441	0.524	0.524	18.8	18.8
			(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 #: 44618A/a**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: FT2nd 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:** 3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	9.099	91	91	0
1,2-Dichloroethane-d4	↓	10.956	110	110	↓
Toluene-d8	↓	10.919	109	109	↓
Bromofluorobenzene	↓	11.094	111	111	↓

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
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Dibromofluoromethane					
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Toluene-d8					
Bromofluorobenzene					

LDC #: 44618A/a

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1Reviewer: FT2nd 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 = $|MSC - MSC| * 2 / (MSC + MSDC)$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD sample: 11 - 12

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	50.0	50.0	1.3	55	56	110	110	112	112	2	2
Trichloroethene			11	64	64	106	106	106	106	0	0
Benzene			ND	57	58	114	114	116	116	2	2
Toluene			ND	58	58	116	116	116	116	0	0
Chlorobenzene			ND	56	55	112	112	110	110	2	2

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 #: 44618A/a

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

Page: 1 of 1
 Reviewer: FT
 2nd Reviewer: _____

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * SSC/SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: W61214926-3/4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	9.1	8.8	91	91	88	88	3	3
Trichloroethene			9.2	9.1	92	92	91	91	1	1
Benzene			10	9.9	100	100	99	99	1	1
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 #: 44618A1a

VALIDATION FINDINGS WORKSHEET

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?

$$\text{Concentration} = \frac{(A_s)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

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. H 4, Q Q Q:

$$\text{Conc.} = \frac{102.1910 \text{ (10)}}{35.1141 \text{ (0.222)}} = 131.09 \text{ ug/l}$$
[illegible]