

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

## PERIODIC REVIEW REPORT

March 19, 2019 through May 19, 2020



### SUBMITTED TO:



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

### PREPARED FOR:

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PWGC Project Number: CIR2001

June 2020



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## 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  
074604  
PE License Number  
Paul Boyce  
Signature  
06.25.2020  
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 19, 2019 to May 11, 2020.

### 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 fifteen 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 May 11, 2020 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 19, 2019 and May 11, 2020. Monitoring wells and manhole covers were inspected for integrity; during the May 11, 2020 sampling event, MW-11, was inaccessible due to vegetation that had grown through the well screen at approximately 5 feet below grade surface. Historic well sampling data for MW-11 has been near non-detect, because of this and the new access issues of the well, if groundwater sampling at the site is to continue in the future, MW-11 will be omitted from the sampling plan.

#### 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. In March 2019, groundwater elevation data indicated a skew in flow direction data, indicating that groundwater was flowing in the northerly direction; however, elevation data collected during this reporting period indicates a return to the nearly flat groundwater flow gradient across the Site.

##### 3.1.1 Groundwater Sampling

During the September 2019 sampling event, groundwater samples were collected from eight of the ten monitoring wells, including the two shallowest intervals of the multi-level monitoring well. A sample could not be collected from monitoring wells MW-15 and MW-16 due to the low water level in the wells, which have been reoccurring issues at the site. During the May 2020 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-11 due to the consistent limited amount of water in MW-15 and MW-16 and vegetation growth through the well screen in MW-11.

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 2019 sampling event was from MW-13 and the blind duplicate from the May 2020 sampling event was from MW-14.

### *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-17 and MLWell1 (35-40') during either sampling event in this reporting period. During the September 2019 sampling event, there were AWQS exceedances in MW-12, MW-13, MW-14, and MLWell1 (15-20'). During the May 2020 sampling event, there were exceedances in only MW-14 and MLWell1 (15-20'). 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 2019 and May 2020 were 829 µg/L and 370 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 134 µg/L in MLWell1 (15-20') in May 2020 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**. Historical 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 had previously shown a slight increase in CVOC concentrations (less than one order of magnitude); however, during this monitoring period, concentrations have returned to the historically low concentrations observed in 2017 and 2018. CVOC concentrations have decreased significantly since the removal of the source material and the chemical applicants and now overall show asymptotically low concentrations in each well.



#### 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 did not experience any unexpected shutdowns during this reported period and no 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 efforts were performed on June 23, 2019, August 1, 2019 and May 11, 2020.

##### 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



May 11, 2020, the SVE system has operated for a total of 38,430 hours (approximately 1,600 days of the total 1,642 days since system start-up).

Sampling of the SVE system was conducted on June 24, 2019, August 1, 2019 and May 11, 2020. Upon review of analytical data from the June 2019 sampling event, the chlorinated compounds were all non-detect, which was not consistent with other recent sampling events; therefore, the system was resampled on August 1, 2019. The lab report for June sample is included for reference; however, the data has not been included in **Chart 3** or **Table 5**. The 2020 sampling event took place slightly earlier than it would have typically been collected as to coincide with the groundwater sampling event. 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**, and excluding the inconsistent results from the June 2019 sampling, the effluent samples contained detectable concentrations of several compounds, most notably three of the chlorinated solvents of concern: PCE ( $827 \mu\text{g}/\text{m}^3$  in August 2019 and  $173 \mu\text{g}/\text{m}^3$  in May 2020), TCE ( $26 \mu\text{g}/\text{m}^3$  in August 2019 and  $7.74 \mu\text{g}/\text{m}^3$  in May 2020), and DCE ( $33.6 \mu\text{g}/\text{m}^3$  in August 2019 and  $12.9 \mu\text{g}/\text{m}^3$  in May 2020). VC was not detected in any of the sampling events. The most recent sampling event shows a considerable decrease in concentrations of each these three chlorinated solvents of concern. **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 May 2020 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 total CVOC (TCVOC) line was added to the chart. TVOC/TCVOC concentrations have decreased significantly since system start-up. A slight increase in TVOCs can be seen in the graph due to a



slight increase in non-chlorinated compounds from 2018 through 2019; however, the most recent sampling event shows a return to an overall downward trend for TVOCs. TCVOC concentrations appear to have reached an asymptotic low since 2017. Laboratory analytical reports for all sampling events during this PRR reporting period are included as **Appendix C**.

A total of 31.2614 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, albeit with a delay in reporting during this reporting period;
- 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 PROPOSAL TO MODIFY SITE MANAGEMENT PLAN

Based upon the remedial effort conducted at the site, PWGC recommends a modification of the site's management plan. The SMP, originally dated November 2015 and updated in July of 2018, provided the framework for a successful remediation at the site as determined by meeting the Remedial Action Objectives for soil, groundwater, and air.

Soils above the water table on the site were successfully remediated during the initial soil removal and chemical application at the site. Residual impact to the soil below the groundwater table was remediated through treatment of the groundwater. Access to the soil is restricted at the Site by the presence of the composite cover system.

CVOC concentrations in groundwater have greatly decreased since monitoring began at the site. **Chart 1** shows that concentrations in groundwater have achieved an asymptotic low. Concentrations in MLWell1 (15-20'), MLWell1 (35-40'), MW-15, MW-16, MW-17, MW-10, and MW-11 have also shown that CVOC migration has stabilized at the southern boundary of the site with concentrations that are typically less than AWQs. Use of groundwater beneath the Site is restricted and the composite cover across the Site restricts access to the groundwater.

The Site's SVE system has been an effective remedial action for reducing CVOC concentrations and has operated for a total of 1,642 days since the system's start up. Concentrations of CVOCs from the system's effluent port have decreased greatly since its start up and have met an asymptotic low that are no longer a threat to human and environmental health. In addition to the SVE system, a vapor barrier was installed to further reduce the potential for soil vapor intrusion into the building.

Based upon current and historical data and in accordance with PWGC's SMP Version 1.2, Section 2.2.2, PWGC recommends ceasing groundwater sampling at the site and that the site's SVE system be converted to a passive SSDS. Annual inspections will include conducting an inspection of the remaining engineering controls, such as the composite cover system and exposed piping for the SSDS.



## 8.0 CONCLUSIONS

This Periodic Review Report documents activities performed from March 18, 2019 through May 11, 2020 in accordance with the Site Management Plan and NYSDEC DER-10 Section 6.3.

No non-routine activities occurred during this reporting period.

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 moving on a strong downward trend in MW-14 and have illustrated an asymptotic trend in the other on- and off-site wells.

Sampling of the SVE system was conducted on August 1, 2019 and May 11, 2020. During this reporting period, PCE ( $827 \mu\text{g}/\text{m}^3$  in August 2019 and  $173 \mu\text{g}/\text{m}^3$  in May 2020), TCE ( $26 \mu\text{g}/\text{m}^3$  in August 2019 and  $7.74 \mu\text{g}/\text{m}^3$  in May 2020), and DCE ( $33.6 \mu\text{g}/\text{m}^3$  in August 2019 and  $12.9 \mu\text{g}/\text{m}^3$  in May 2020) were detected; VC was not detected in any of the sampling events. These concentrations are significantly lower than when the SVE system was started (PCE at  $5,530 \mu\text{g}/\text{m}^3$  in November 2015) and demonstrate that concentrations have reached an asymptotic low. As of May 11, 2020, the system has been operating for 38,430 hours. A total of 31.2614 pounds of TVOCs have been successfully removed from the subsurface.

The remedial actions and monitoring undertaken at this Site have satisfied the Remedial Action Objectives as set forth in the Decision Document.

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

- Modify the NYSDEC SMP.
  - Cease groundwater monitoring and sampling.
  - Convert the Site's SVE system to a passive SSDS.



- Continue conducting annual inspections of the remaining engineering controls.
- Reduce reporting from semi-annually to annually with the next report in April 2021.



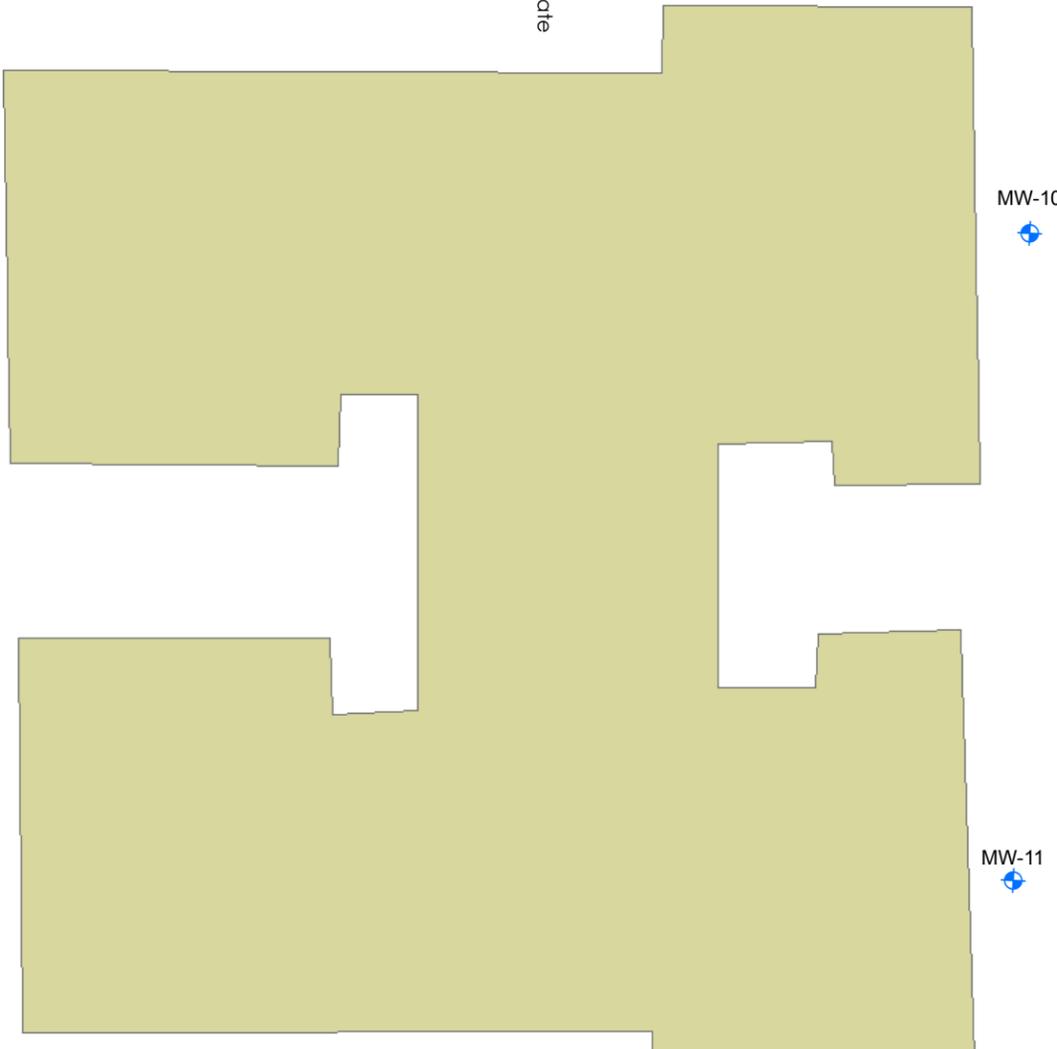
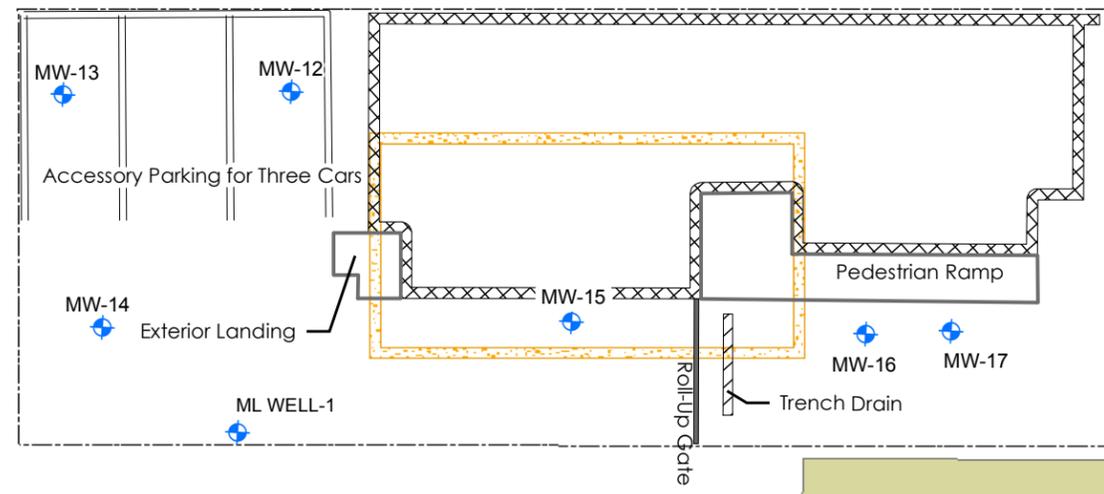
## 9.0 REFERENCES

- 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





CONEY ISLAND AVENUE

◆ Existing Monitoring Wells



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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:

## MONITORING WELL NETWORK TOTAL CHLORINATED SOLVENT CONCENTRATIONS (2016 -2017)

3140 CONEY ISLAND AVENUE  
BROOKLYN, NEW YORK



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

Document Path: W:\Projects\A-D\CIR\1901\FIG02\_MonitoringWells.mxd

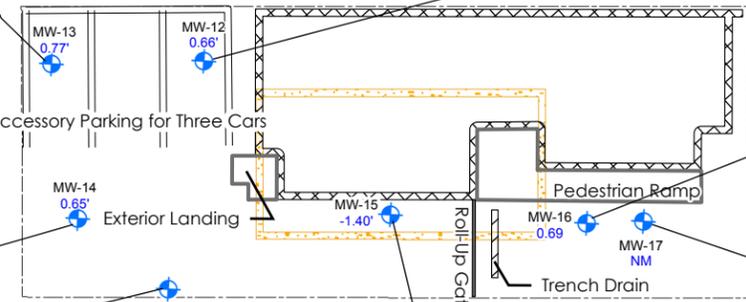


Location	MW-13						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020
DCE	2.7 J	8.2	9.1	13	2.9	6.6	3.1
PCE	1.4	0.87	17	11	3.5	6.8	3.4
TCE	ND	ND	ND	3.3	1.6	3.7	2.6
VC	0.64	2.2 J	25	2.4 J	0.97 J	0.91 J	0.87 J

Location	MW-14						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019	9/16/2019	5/11/2020
DCE	210	120	250	470	540	410	240
PCE	28	36	84	33 J	31	4.4	20
TCE	6	10	21	13	11	4.5	9.9
VC	200	67 J	99	140 J	110	410	100

Location	ML-Well1 (15-20')						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020
DCE	1.9 J	10	280	45	130	60	91
PCE	ND	ND	ND	0.62	3.5	0.76	0.48 J
TCE	ND	ND	ND	0.5	2.9	0.28	0.63
VC	7.9	30 J	100	50	39	31	42

Location	ML-Well1 (35-40')						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020
DCE	ND	ND	ND	2.1 J	2.6	ND	ND
PCE	ND	ND	ND	0.77	0.29 J	ND	ND
VC	ND	ND	ND	ND	0.81 J	ND	ND



Location	MW-15						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019	9/16/2019	5/11/2020
DCE	14	11	3.4	10	NC	NC	NC
PCE	ND	ND	ND	0.49 J	NC	NC	NC
TCE	ND	ND	ND	3.9	NC	NC	NC
VC	ND	2.7 J	1.1	2.7	NC	NC	NC

Location	MW-12						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020
DCE	1.7 J	1.6 J	7.3	1.4 J	0.78 J	3.5	0.85 J
PCE	3.6	2.2	19	4.9	1.8	10	2.2
TCE	ND	ND	ND	0.82	0.58	1.1	0.34 J
VC	ND	ND	ND	0.44 J	0.16 J	0.11 J	ND

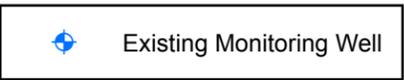
Location	MW-16				
Sampling Date	9/20/2017	3/14/2018	3/6/2019	9/16/2019	5/11/2020
VC	ND	0.82 J	NC	NC	NC

Location	MW-17						
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019	9/16/2019	5/11/2020
DCE	8	ND	1.1 J	1.1 J	NC	2.1 J	ND
PCE	12	11	1.3	1.6	NC	2.6	1.9
TCE	4	11	1.5	1.3	NC	1.8	0.72
VC	ND	ND	ND	ND	NC	ND	ND

Location	MW-10		
Sampling Date	3/6/2019	9/16/2019	5/11/2020
PCE	2.5	ND	2.7
TCE	0.64	ND	0.44 J

Location	MW-11		
Sampling Date	3/6/2019	9/16/2019	5/11/2020
TCE	0.28 J	ND	NC

**NOTES:**  
 0.77' 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



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

## MONITORING WELL NETWORK - May 11, 2020

3140 CONEY ISLAND AVENUE  
 BROOKLYN, NEW YORK



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DRAWING PREPARED FOR:

3140 CONEY ISLAND REALTY, LLC  
 3061 BRIGHTON 6TH STREET  
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 &  
 NEW YORK STATE  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
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 LONG ISLAND CITY, NEW YORK 11101-5407

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	CIR2001	Designed by:	JLL
Date:	6/23/2020	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

3





## TABLES

**Table 1**  
Monitoring Well Field Data  
3140 Coney Island Avenue, Brooklyn, New York

Well ID	Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Groundwater Elevation
<b>June 1, 2017</b>						
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
<b>September 20, 2017</b>						
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
<b>December 13, 2017</b>						
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
<b>March 14, 2018</b>						
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
<b>September 5, 2018</b>						
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
<b>March 6, 2019</b>						
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
<b>September 19, 2019</b>						
MW-10	9.60	13.29	NP	8.56	0.00	1.04
MW-11	9.73	14.73	NP	8.74	0.00	0.99
MW-12	9.65	12.50	NP	8.71	0.00	0.94
MW-13	9.89	13.23	NP	8.99	0.00	0.90
MW-14	9.85	12.60	NP	8.93	0.00	0.92
MW-15	2.49	4.60	NP	3.88	0.00	-1.39
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.53	NP	9.40	0.00	NM
ML WELL (15-20)	10.52	19.41	NP	8.95	0.00	1.57
ML WELL (35-40)	NM	NM	NM	NM	NM	NM
<b>May 11, 2020</b>						
MW-10	9.60	13.29	NP	8.58	0.00	1.02
MW-11	9.73	14.73	NP	NM	0.00	NM
MW-12	9.65	12.50	NP	8.99	0.00	0.66
MW-13	9.89	13.23	NP	9.12	0.00	0.77
MW-14	9.85	12.60	NP	9.20	0.00	0.65
MW-15	2.49	4.60	NP	3.89	0.00	-1.40
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.40	NP	9.75	0.00	NM
ML WELL (15-20)	10.52	19.41	NP	9.29	0.00	1.23
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  
 May 2020  
 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 5/11/2020 L2019409-01	MW-11 9/16/2019 L1942467-02	MW-12 5/11/2020 L2019409-02	MW-13 5/11/2020 L2019409-03	MW-14 5/11/2020 L2019409-04	MW-15 NA NA	MW-16 NA NA	MW-17 9/16/2019 L2019409-07	MLWell1 (15-20) 5/11/2020 L2019409-05	MLWell1 (35-40) 5/11/2020 L2019409-06	DUPE 5/11/2020 L2019409-10
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,1,1-Trichloroethane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	1	1.5 U	NC	1.5 U	1.5 U	3 U	NC	NC	1.5 U	1.5 U	1.5 U	3 U
1,1-Dichloroethane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,1-Dichloroethene	5	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.19 J	0.5 U	1 U
1,1-Dichloropropene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2,3-Trichlorobenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2,3-Trichloropropane	0.04	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2,4,5-Tetramethylbenzene	5	2 U	NC	2 U	0.9 J	4 U	NC	NC	1.8 J	1.8 J	2 U	4 U
1,2,4-Trichlorobenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2,4-Trimethylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2-Dibromoethane	0.0006	2 U	NC	2 U	2 U	4 U	NC	NC	2 U	2 U	2 U	4 U
1,2-Dichlorobenzene	3	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,2-Dichloroethane	0.6	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloropropane	1	1 U	NC	1 U	1 U	2 U	NC	NC	1 U	1 U	1 U	2 U
1,3,5-Trimethylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,3-Dichlorobenzene	3	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,3-Dichloropropane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,4-Dichlorobenzene	3	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,4-Dioxane	NS	250 UJ	NC	250 UJ	250 UJ	500 UJ	NC	NC	250 UJ	250 UJ	250 UJ	500 UJ
2,2-Dichloropropane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
2-Butanone	50	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
2-Hexanone	50	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
4-Methyl-2-pentanone	NS	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
Acetone	50	1.8 J	NC	5 U	5 U	10 U	NC	NC	5 U	1.6 J	5 U	10 U
Acrylonitrile	5	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
Benzene	1	0.5 U	NC	0.5 U	0.6	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
Bromobenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Bromochloromethane	5	2.5 UJ	NC	2.5 UJ	2.5 UJ	5 UJ	NC	NC	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ
Bromodichloromethane	50	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
Bromoform	50	2 U	NC	2 U	2 U	4 U	NC	NC	2 U	2 U	2 U	4 U
Bromomethane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Carbon disulfide	60	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
Carbon tetrachloride	5	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
Chlorobenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Chloroethane	5	2.5 U	NC	2.5 U	1.4 J	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Chloroform	7	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Chloromethane	NS	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
cis-1,2-Dichloroethene	5	2.5 U	NC	0.85 J	3.1	240	NC	NC	2.5 U	91	2.5 U	260
cis-1,3-Dichloropropene	0.4	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
Dibromochloromethane	50	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
Dibromomethane	5	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
Dichlorodifluoromethane	5	5 UJ	NC	5 UJ	5 UJ	10 UJ	NC	NC	5 UJ	5 UJ	5 UJ	10 UJ
Ethyl ether	NS	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Ethylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Hexachlorobutadiene	0.5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Isopropylbenzene	5	2.5 U	NC	2.5 U	0.9 J	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Methyl tert butyl ether	10	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Methylene chloride	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
n-Butylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
n-Propylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Naphthalene	10	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
o-Chlorotoluene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
o-Xylene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
p-Chlorotoluene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
1,4-Diethylbenzene	NS	2 U	NC	2 U	2 U	4 U	NC	NC	0.96 J	2 U	2 U	4 U
4-Ethyltoluene	NS	2 U	NC	2 U	2 U	4 U	NC	NC	2 U	2 U	2 U	4 U
p-Isopropyltoluene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
p/m-Xylene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
sec-Butylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Styrene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
tert-Butylbenzene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Tetrachloroethene	5	2.7	NC	2.2	3.4	20	NC	NC	1.9	0.48 J	0.5 U	18
Toluene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
trans-1,2-Dichloroethene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	1.6 J	2.5 U	5 U
trans-1,3-Dichloropropene	0.4	0.5 U	NC	0.5 U	0.5 U	1 U	NC	NC	0.5 U	0.5 U	0.5 U	1 U
trans-1,4-Dichloro-2-butene	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Trichloroethene	5	0.44 J	NC	0.34 J	2.6	9.9	NC	NC	0.72	0.63	0.5 U	11
Trichlorofluoromethane	5	2.5 U	NC	2.5 U	2.5 U	5 U	NC	NC	2.5 U	2.5 U	2.5 U	5 U
Vinyl acetate	NS	5 U	NC	5 U	5 U	10 U	NC	NC	5 U	5 U	5 U	10 U
Vinyl chloride	2	1 U	NC	1 U	0.87 J	100	NC	NC	1 U	42	1 U	100
Total VOCs:		4.94	NC	3.39	13.77	370	NC	NC	5.38	139.3	0	389
Total Chlorinated VOCs:		3.14	NC	3.39	9.97	370	NC	NC	2.62	134.11	0	389

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

Table 2B

September 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 9/16/2019 L1942467-01	MW-11 9/16/2019 L1942467-02	MW-12 9/16/2019 L1942467-03	MW-13 9/16/2019 L1942467-04	MW-14 9/16/2019 L1942467-05	MW-15 9/16/2019 L1835036-06	MW-16 9/16/2019 NC	MW-17 9/16/2019 L1942467-06	MLWell1 (15-20) 9/16/2019 L1942467-07	MLWell1 (35-40) 9/16/2019 L1942467-08	DUPE 9/16/2019 L1942467-09
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	NC	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	7.5 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	NC	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	12 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ	NC	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	0.66 J	10 U	NC	NC	3.8	2.5	2 U	0.7 J
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	NC	0.83 J	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	12 U	NC	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	10 U	NC	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	12 U	NC	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	2.5 U	NC	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	5 U	NC	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	12 U	NC	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	12 U	NC	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	12 U	NC	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	12 U	NC	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	1200 U	NC	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	12 UJ	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U	25 U	NC	NC	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	25 UJ	NC	NC	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	25 UJ	NC	NC	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	25 U	NC	NC	5 U	2.6 J	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	25 U	NC	NC	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.27 J	2.5 U	NC	NC	0.5 U	0.5 U	0.5 U	0.28 J
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	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	2.5 U	NC	NC	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50	2 U	2 U	2 U	2 U	10 U	NC	NC	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	5 U	5 U	5 U	5 U	25 U	NC	NC	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	NC	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	12 U	NC	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	12 UJ	NC	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	12 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	3.5	6.6	410	NC	NC	2.1 J	60	2.5 U	6.8
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	NC	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	2.5 U	NC	NC	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	25 U	NC	NC	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	25 UJ	NC	NC	5 U	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ	NC	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	12 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	1.3 J	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	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	10 U	NC	NC	1.2 J	0.89 J	2 U	2 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	10 U	NC	NC	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	10	6.8	4.4	NC	NC	2.6	0.76	0.5 U	5.7
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	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	12 U	NC	NC	2.5 U	1.3 J	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	NC	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	12 UJ	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	0.5 U	0.5 U	1.1	3.7	4.5	NC	NC	1.8	0.28 J	0.5 U	3.3
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NC	NC	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	25 U	NC	NC	5 U	5 U	5 U	5 U
Vinyl chloride	2	0.11 J	1 U	0.11 J	0.91 J	410	NC	NC	1 U	31	1 U	0.85 J
Total VOCs:		0.11	0	14.71	18.94	831	NC	NC	13.63	99.33	0	17.63
Total Chlorinated VOCs:		0.11	0	14.71	18.01	829	NC	NC	6.5	92.04	0	16.65

## Notes:

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

NS - No Standard

NA - Not Available

DUPE is a blind duplicate of sample MW-13

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

U - The analyte was analyzed for, but was not detected above the reported sample quantitation 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: Depth: Sampling Date: Laboratory ID:	NYSDEC Ambient Water Quality Standards	GW-7				GW-8				GW-9				GW-10				GW-11				OSB-1				OSB-2			
		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' 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				
Volatile Organic Compounds in µg/l																													
1,1,1,2-Tetrachloroethane	5	NC	NC	NC	NC	NC																							
1,1,1-Trichloroethane	5	NC	NC	NC	NC	NC																							
1,1,2,2-Tetrachloroethane	5	NC	NC	NC	NC	NC																							
1,1,2-Trichloroethane	1	NC	NC	NC	NC	NC																							
1,1-Dichloroethane	5	NC	NC	NC	NC	NC																							
1,1-Dichloroethene	5	ND	ND	ND	ND	ND																							
1,1-Dichloropropene	5	NC	NC	NC	NC	NC																							
1,2,3-Trichlorobenzene	5	NC	NC	NC	NC	NC																							
1,2,3-Trichloropropane	0.04	NC	NC	NC	NC	NC																							
1,2,4,5-Tetraethylbenzene	NS	ND	ND	ND	ND	29	1.1	ND	0.74 J	8.8	ND	ND	ND	3.4	ND	ND	ND	1.1	ND	ND	ND	4.6	0.25 J	0.4 J	1.1 J	ND	2.3 J	2.2 J	2.5
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND																							
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	42	ND	ND	ND	9.1	ND	0.6 J	ND	1.6	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																							
1,2-Dibromoethane	0.0006	NC	NC	NC	NC	NC																							
1,2-Dichlorobenzene	3	NC	NC	NC	NC	NC																							
1,2-Dichloroethane	0.6	NC	NC	NC	NC	NC																							
1,2-Dichloropropane	NS	NC	NC	NC	NC	NC																							
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND	17	ND	ND	ND	2	ND	0.92 J	ND	0.89 J	ND	2.8													
1,3-Dichlorobenzene	5	NC	NC	NC	NC	NC																							
1,3-Dichloropropane	3	NC	NC	NC	NC	NC																							
1,4-Dichlorobenzene	5	NC	NC	NC	NC	NC																							
1,4-Dioxane	3	NC	NC	NC	NC	NC																							
1,2-Dichloropropane	NS	NC	NC	NC	NC	NC																							
2-Butanone	5	NC	NC	NC	NC	NC																							
2-Hexanone	50	NC	NC	NC	NC	NC																							
4-Methyl-2-pentanone	NS	NC	NC	NC	NC	NC																							
Acetone	50	NC	NC	NC	NC	NC																							
Acrylonitrile	5	NC	NC	NC	NC	NC																							
Benzene	1	ND	0.61 J	ND	ND	ND	ND	ND																					
Bromobenzene	5	NC	NC	NC	NC	NC																							
Bromochloromethane	5	NC	NC	NC	NC	NC																							
Bromodichloromethane	50	NC	NC	NC	NC	NC																							
Bromoform	50	NC	NC	NC	NC	NC																							
Bromomethane	5	NC	NC	NC	NC	NC																							
Carbon disulfide	60	NC	NC	NC	NC	NC																							
Carbon tetrachloride	5	NC	NC	NC	NC	NC																							
Chlorobenzene	5	NC	NC	NC	NC	NC																							
Chloroethane	5	NC	NC	NC	NC	NC																							
Chloroform	7	NC	NC	NC	NC	NC																							
Chloromethane	NS	NC	NC	NC	NC	NC																							
cis-1,2-Dichloroethane	5	ND	ND	ND	ND	160	1.9	2	3.8	ND	0.68 J	ND	2	ND	2	ND	ND	ND	ND	ND	ND	3.2	5.2	1	0.99	21,000	72	300	45
cis-1,3-Dichloropropene	0.4	NC	NC	NC	NC	NC																							
Dibromochloromethane	50	NC	NC	NC	NC	NC																							
Dibromomethane	5	NC	NC	NC	NC	NC																							
Dichlorodifluoromethane	5	NC	NC	NC	NC	NC																							
Ethyl ether	NS	NC	NC	NC	NC	NC																							
Ethylbenzene	5	ND	ND	ND	ND	2.8	ND	ND	ND	ND	0.38 J																		
Hexachlorobutadiene	0.5	NC	NC	NC	NC	NC																							
Isopropylbenzene	5	ND	ND	ND	ND	1.8	ND	ND	0.53 J	ND	ND	ND	ND	ND															
Methyl tert butyl ether	10	ND	ND	ND	ND	2.6	ND	ND	0.61 J	ND	ND	ND	0.56 J	ND	0.62 J	1.1	ND	ND	ND	ND	ND	0.57 J							
Methylene chloride	5	NC	NC	NC	NC	NC																							
n-Butylbenzene	5	ND	ND	ND	ND	2.7	ND	ND	0.75 J	ND	ND	0.94 J	ND	1.7	ND	ND	ND	ND	ND	ND	0.58								
n-Propylbenzene	5	ND	ND	ND	ND	4.4	ND	ND	0.9 J	ND	2.9	ND	ND	ND	ND	ND	ND	0.61											
Naphthalene	10	ND	ND	ND	0.83 J	9.3	ND	ND	2.4	ND	ND	ND	0.8 J	ND	ND	ND	ND	0.8 J	ND	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	0.96 J
o-Chlorotoluene	5	NC	NC	NC	NC	NC																							
o-Xylene	5	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND																		
o-Chlorotoluene	5	NC																											









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

Client Sample ID: Depth: Sampling Date: Laboratory ID:	NYSDEC Ambient Water Quality Standards	MW-15														MW-16													
		10/2/2015 L1524907-06	3/29/2016 L1609110-06	6/22/2016 L1619370-06	9/16/2016 L1629516-06	12/6/2016 L1639729-08	3/1/2017 L1706520-08	6/1/2017 L1718024-01	9/20/2017 L1733661-06	12/13/2017 L1746240-06	3/14/2018 L1808694-06	9/5/2018 L1835036-06	3/6/2019 NC	9/16/2019 NC	5/11/2020 NC	10/2/2015 L1524907-07	3/29/2016 L1808694-07	6/22/2016 L1829516-12	9/16/2016 L1835036-12	12/6/2016	3/1/2017	6/1/2017 L1718024-07	9/20/2017 L1733661-07	12/13/2017	3/14/2018 L1808694-07	9/5/2018 NC	3/6/2019 NC	5/11/2020 NC	
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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	2.9 U	NC	NC	1.7 U	NC	NC	0.5 U	2.5 U	NC	0.17 U	NC	NC	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	NC	NC	10 U	NC	NC	5 U	NC	NC	1.5 U	7.5 U	NC	0.5 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	2.8 U	NC	NC	1.7 U	NC	NC	0.5 U	2.5 U	NC	0.17 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	17 J	NC	NC	13 J	NC	NC	11 J	10 U	NC	1.1 J	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC
1,2-Dibromoethane	0.0006	1.6 U	0.65 U	2 U	1.6 U	4 U	2 U	4 U	2 U	4 U	0.65 U	2 U	NC	NC	NC	13 U	NC	NC	6.5 U	NC	NC	2 U	10 U	NC	0.65 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	2.6 U	NC	NC	1.3 U	NC	NC	0.5 U	2.5 U	NC	0.5 U	NC	NC	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	NC	NC	2.7 U	NC	NC	1.4 U	NC	NC	1 U	5 U	NC	0.14 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	610 U	NC	NC	250 U	1,200 U	NC	61 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	39 U	NC	NC	19 U	NC	NC	15 U	25 U	NC	4.8 U	NC	NC	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	NC	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	3.5 U	NC	NC	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	NC	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	3.5 U	NC	NC	NC	NC
Acetone	50	13	1.5 U	5 U	5.8 U	4.8 U	3.3 J	10 U	2.9 U	10 U	1.5 U	2.2 J	NC	NC	NC	56 J	NC	NC	15 U	NC	NC	25 U	43 U	NC	8.4 U	NC	NC	NC	NC
Acrylonitrile	1	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	NC	NC	30 U	NC	NC	15 U	NC	NC	5 U	25 U	NC	1.5 U	NC	NC	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	NC	NC	3.2 U	NC	NC	1.6 U	NC	NC	0.5 U	2.5 U	NC	0.16 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	3.8 U	NC	NC	1.9 U	NC	NC	0.5 U	2.5 U	NC	0.19 U	NC	NC	NC	NC
Bromoflorm	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	NC	NC	13 U	NC	NC	6.5 U	NC	NC	2 U	10 U	NC	0.65 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC
Carbon disulfide	60	2.5 U	1 U	5 U	2.5 U	5.2 J	5 U	10 U	2.8 U	10 U	1 U	5 U	NC	NC	NC	20 U	NC	NC	10 U	NC	NC	5 U	4 J	NC	20 U	NC	NC	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	NC	NC	2.7 U	NC	NC	1.3 U	NC	NC	0.5 U	2.5 U	NC	0.13 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	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	NC	NC	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC
cis-1,2-Dichloroethene	5	5.6	6.6	6.1	7.4	12	18 J	6.1	14	11	3.4	10 U	NC	NC	NC	7.0	NC	NC	7 U	NC	NC	3 J	12 U	NC	1.5 J	NC	NC	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	NC	NC	2.9 U	NC	NC	1.4 U	NC	NC	0.5 U	2.5 U	NC	0.14 U	NC	NC	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	NC	NC	3 U	NC	NC	1.5 U	NC	NC	0.5 U	2.5 U	NC	0.15 U	NC	NC	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	NC	NC	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	1 U	NC	NC	NC	NC
Dichlorodifluorom																													

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

Client Sample ID: Depth: Sampling Date: Laboratory ID:	NYSDEC Ambient Water Quality Standards	MW-17										MW-11																																								
		9/20/2017 L1733661-10	12/13/2017 L1746240-07	3/14/2018 L1808694-08	9/5/2018 L1835036-07	3/6/2019 NC	9/16/2019 L1942467-06	5/11/2020 L2019409-07	10/17/2012 L1218814-01	1/30/2013 L1301890-01	9/30/2013 L1319520-06	10/7/2014 L1423615-01	5/11/2015 L1510117-03	10/2/2015 L1524907-09	3/29/2016 L1609110-07	6/22/2016 L1619370-07	9/16/2016 L1629516-07	12/6/2016 L1639729-06	3/1/2017 L1706520-06	6/1/2017 L1718024-05	9/20/2017 L1733661-04	12/13/2017 L1746240-08	3/14/2018 L1808694-09	9/5/2018 L1835036-08	3/6/2019 L1908838-04	9/16/2019 L1942467-07	5/11/2020 L2019409-05																									
Volatile Organic Compounds in µg/L																																																				
1,1,1,2-Tetrachloroethane	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U	2.5	U		
1,1,1-Trichloroethane	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U	2.5	U		
1,1,2,2-Tetrachloroethane	5	0.5	U	5	U	0.17	U	0.5	U	NC	0.5	U	0.5	U	0.5	U	2	U	1.2	U	0.14	U	0.14	U	0.14	U	0.14	U	0.5	U	0.17	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		
1,1,2-Trichloroethane	1	1.5	U	15	U	0.5	U	1.5	U	NC	1.5	U	1.5	U	1.5	U	6	U	3.8	U	0.5	U	0.5	U	0.5	U	0.5	U	1.5	U	0.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.2	U	1.5	U	1.5	U	1.5	U				
1,1-Dichloroethane	5	0.75	J	25	U	1.4	J	0.72	J	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,1-Dichloroethene	5	0.5	U	5	U	0.17	U	0.5	U	NC	0.5	U	0.5	U	0.5	U	2	U	1.2	U	0.34	J	0.22	J	0.14	U	0.14	U	0.5	U	0.17	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.56	J	0.5	U	0.35	J	0.5	U	0.19	J
1,1-Dichloropropene	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2,3-Trichlorobenzene	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2,3-Trichloropropane	0.04	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2,4,5-Tetramethylbenzene	NS	2.5	U	20	U	3.6	J	3.9	J	NC	3.8	J	1.8	J	20	J	9.5	J	6.2	J	3.8	J	3.1	J	1.6	J	3.1	J	1.6	J	5.8	J	4.4	J	2	J	2	J	4.4	J	2	J	3.8	J	2.2	J	4.3	J	1.8	J	2.5	J
1,2,4-Trichlorobenzene	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2,4-Trimethylbenzene	5	2.6	U	25	U	0.7	U	2.5	U	NC	0.83	J	2.5	U	0.9	J	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2-Dibromo-3-chloropropane	0.04	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2-Dibromoethane	0.0006	2	U	20	U	0.65	U	2	U	NC	2	U	2	U	2	U	8	U	5	U	0.65	U	0.65	U	0.65	U	0.65	U	2	U	0.65	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U				
1,2-Dichlorobenzene	3	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,2-Dichloroethane	0.6	0.5	U	5	U	0.13	U	0.5	U	NC	0.5	U	0.5	U	0.5	U	2	U	1.2	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	0.5	U												
1,2-Dichloropropane	NS	1	U	10	U	0.14	U	1	U	NC	1	U	1	U	1	U	4	U	2.5	U	0.13	U	0.13	U	0.13	U	0.13	U	1	U	0.13	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
1,3,5-Trimethylbenzene	1	0.75	J	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,3-Dichlorobenzene	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,3-Dichloropropane	3	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,4-Dichlorobenzene	5	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
1,4-Dioxane	3	250	UJ	2500	UJ	61	UJ	250	UJ	NC	250	UJ	250	UJ	250	UJ	250	UJ	6.2	UJ	0.7	UJ	0.7	UJ	0.7	UJ	0.7	UJ	2.5	UJ	0.7	UJ	250	UJ	41	UJ	250	UJ	250	UJ	250	UJ	250	UJ	150	UJ	250	UJ	250	UJ		
2,2-Dichloropropane	NS	2.5	U	25	U	0.7	U	2.5	U	NC	2.5	U	2.5	U	2.5	U	10	U	6.2	U	0.7	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	1.8	U	2.5	U	0.7	U	2.5	U				
2-Butanone	5	3	J	50	UJ	1.9	U	5	U	NC	5	U	5	U	5	U	500	UJ	12	UJ	1.9	UJ	1.9	UJ	1.9	UJ	1.9	UJ	5	UJ	1	UJ	5	UJ	5	UJ	5	UJ	5	UJ	4.8	UJ	5	UJ	1.9	UJ	5	UJ				
2-Hexanone	50	5	U	50	UJ	1	U	5	U	NC	5	U	5	U	5	U	500	UJ	12	UJ	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ	5	UJ	5	UJ	5	UJ	5	UJ	2.5	UJ	5	UJ	1	UJ	5	UJ				
4-Methyl-2-pentanone	NS	5	UJ	50	U	1	U	5	U	NC	5	U	5	U	5	U	500	UJ	12	UJ	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	2.5	UJ	5	UJ	1	UJ	5	UJ		
Acetone	50	20	UJ	50	UJ	1.5	U	5	U	NC	5	U	5	U	5	U	500	UJ	12	UJ	1.5	UJ	1.5	UJ	1.5	UJ	1.5	UJ	5	UJ	1	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	2.5	UJ	5	UJ	1	UJ	5	UJ		
Acrylonitrile	5	5	U	50	UJ	1.5	U	5	U	NC	5	U	5	U	5	U	500	UJ	12	UJ	1.5	UJ	1.5	UJ	1.5	UJ	1.5	UJ	5	UJ	1	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	3.8	UJ	5	UJ	1.5	UJ	5	UJ		
Benzene	1	0.34	J	5	U	0.23	J	0.16	J	NC	0.5	U	0.5																																							



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
<b>VOCs by TO-15 in µg/m<sup>3</sup></b>								
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:	12/17/2015		3/29/2016		6/22/2016		9/16/2016	
Sample Type:	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Laboratory ID	L1533640-01	L1533640-02	L1609182-01	L1609182-02	L1619419-01	L1619419-02	L1629526-01	L1629526-02
<b>VOCs by TO-15 in µg/m<sup>3</sup></b>								
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	6/24/2019	8/1/2019	5/11/2020
	Influent L1639639-01	Effluent L1639639-02	Influent L1706431-01	Effluent L1706431-02	Influent L1718104-01	Effluent L1718104-02	Effluent L1827750-01	Effluent L1927713-01	Effluent L1934426-01	Effluent L1934426-01
VOCs by TO-15 in µg/m <sup>3</sup>										
1,1,1-Trichloroethane	<2.18	<1.09	<1.09	<1.09	<2.18	<1.09	<1.36	<2.23	<2.52	<1.09
1,1,2,2-Tetrachloroethane	<2.75	<1.37	<1.37	<1.37	<2.75	<1.37	<1.72	<2.6	<3.17	<1.37
1,1,2-Trichloroethane	<2.18	<1.09	<1.09	<1.09	<2.18	<1.09	<1.36	<2.23	<2.52	<1.09
1,1 Dichloroethane	<1.62	<0.809	<0.809	<0.809	4.61	<0.809	<1.01	<1.06	<1.87	<0.809
1,1 Dichloroethene	<1.59	<0.793	<0.793	<0.793	<1.59	<0.793	<0.991	<1.62	<1.83	<0.793
1,2,4-Trichlorobenzene	<2.97	<1.48	<1.48	<1.48	<2.97	<1.48	<1.86	<3.03	<3.42	<1.48
1,2,4-Trimethylbenzene	<1.97	<0.983	<0.983	<0.983	<1.97	<0.983	2.61	<2.01	<2.27	<0.983
1,2 Dibromoethane	<3.07	<1.54	<1.54	<1.54	<3.07	<1.54	<1.92	<3.14	<3.54	<1.54
1,2 Dichlorobenzene	<2.4	<1.2	<1.2	<1.2	<2.4	<1.2	<1.50	<2.45	<2.77	<1.2
1,2 Dichloroethane	<1.62	<0.809	<0.809	<0.809	<1.62	<0.809	<1.01	<1.65	<1.87	<0.809
1,2 Dichloropropane	<1.85	<0.924	<0.924	<0.924	<1.85	<0.924	<1.16	<1.89	<2.13	<0.924
1,3,5-Trimethylbenzene	<1.97	<0.983	<0.983	<0.983	<1.97	<0.983	1.45	<2.01	<2.27	<0.983
1,3 Butadiene	<0.885	<0.442	<0.442	<0.442	0.969	<0.442	1.02	<.903	1.54	<0.442
1,3 Dichlorobenzene	<2.4	<1.2	<1.2	<1.2	<2.4	<1.2	<1.50	<2.45	<2.77	<1.2
1,4 Dichlorobenzene	<2.4	<1.2	<1.2	<1.2	<2.4	<1.2	<1.50	<2.45	<2.77	<1.2
1,4-Dioxane	<1.44	<0.721	<0.721	<0.721	<1.44	<0.721	<0.901	<1.47	<1.66	<0.721
2,2,4-Trimethylpentane	<1.87	<0.934	<0.934	<0.934	<1.87	<0.934	<1.17	<1.91	<2.15	<0.934
2-Butanone	<2.95	8.73	<1.47	<1.47	206	122	14.6	<3.01	53.1	<1.47
2-Hexanone	<1.64	<0.82	<0.82	<0.82	24.5	43.4	8.24	<1.67	10.6	<.82
3-Chloropropene	<1.25	<0.626	<0.626	<0.626	<1.25	<0.626	<0.783	<1.28	<1.44	<0.626
p-Ethyltoluene	<1.97	<0.983	<0.983	<0.983	<1.97	<0.983	<1.23	<2.01	<2.77	<0.983
4-Methyl-2-pentanone	<4.1	<2.05	<2.05	<2.05	<4.1	<2.05	<2.56	<4.18	<4.71	<2.05
Acetone	<4.75	11	<2.38	8.69	1,290	568	36.6	16.8	159	<2.38
Benzene	<1.28	<0.639	<0.639	<0.639	<1.28	2.09	<0.799	<1.3	<1.47	<.639
Benzyl Chloride	<2.07	<1.04	<1.04	<1.04	<2.07	<1.04	<1.29	<2.11	<2.39	<1.04
Bromodichloromethane	<2.68	<1.34	<1.34	<1.34	<2.68	<1.34	<1.67	<2.73	<3.09	<1.34
Bromoform	<4.14	<2.07	<2.07	<2.07	<4.14	<2.07	<2.58	<4.22	<4.77	<2.07
Bromomethane	<1.55	<0.777	<0.777	<0.777	<1.55	<0.777	<0.971	<1.58	<1.79	<0.777
Carbon disulfide	<1.25	<0.623	<0.623	<0.623	<1.25	<0.623	<0.779	<1.27	4.83	<0.623
Carbon Tetrachloride	<2.52	<1.26	<1.26	<1.26	<2.52	<1.26	<1.57	<2.57	<2.9	<1.26
Chlorobenzene	<1.84	<0.921	<0.921	<0.921	<1.84	<0.921	<1.15	<1.88	<2.12	<0.921
Chloroethane	<1.06	<0.528	<0.528	<0.528	40.4	<5.28	1.05	<1.08	8.79	<5.28
Chloroform	2.6	<0.977	1.32	2.57	5.23	4.1	5.91	<1.99	6.98	1.25
Chloromethane	<0.826	<0.413	<0.413	<0.413	5.37	0.541	<0.516	1.04	1.35	<.413
c-1,2-Dichloroethene	53.5	41.2	39.5	66.2	31.6	88.8	26.1	<1.62	33.6	12.9
c-1,3Dichloropropene	<1.82	<0.908	<0.908	<0.908	<1.82	<.908	<1.13	<1.85	<2.09	<.908
Cyclohexane	<1.38	<0.688	<0.688	<0.688	<1.38	3.05	<0.861	<1.4	<1.59	<.688
Dibromochloromethane	<3.41	<1.7	<1.7	<1.7	<3.41	<1.7	<2.13	<3.48	<3.93	<1.7
Dichlorodifluoromethane (Freon 12)	2.62	2.27	1.82	1.82	<1.98	2.35	1.88	2.04	2.54	2.03
Ethanol	<18.8	<9.42	<9.42	<9.42	164	43.3	<2.25	<19.2	<4.14	19
Ethyl Acetate	<3.6	<1.8	<1.8	<1.8	<3.6	<1.8	<11.8	<3.68	<2.17	<1.8
Ethyl Benzene	<1.74	<0.869	<0.869	<0.869	<1.74	<0.869	3.28	<1.77	<2.0	<0.869
Freon 113	<3.07	<1.53	<1.53	<1.53	<3.07	<1.53	<1.92	<3.53	<3.52	<1.53
Freon 114	<2.8	<1.4	<1.4	<1.4	<2.8	<1.4	<1.75	<3.22	<3.22	<1.4
Heptane	1.64	<0.82	<0.82	<0.82	17.1	<0.82	1.06	<1.67	4.22	<0.82
Hexachlorobutadiene	<4.27	<2.13	<2.13	<2.13	<4.27	<2.13	<2.67	<4.35	<4.92	<2.13
Isopropanol	<2.46	<1.23	<1.23	<1.23	81.9	56.8	9.93	8.6	13	1.72
ter-ButylMethylEther	<1.44	<0.721	<0.721	<0.721	<1.44	<0.721	<0.901	<1.47	<1.66	<0.721
Methylene Chloride	<3.47	<1.74	10.2	<1.74	<3.47	<1.74	<2.17	4.17	<4.00	<1.74
n-Hexane	<1.41	<0.705	<0.705	<0.705	2.9	<0.705	<0.881	<1.44	<1.62	0.708
o Xylene	<1.74	<0.869	<0.869	<0.869	<1.74	<0.869	2.65	<1.77	<2.00	0.995
m + p Xylene	<3.47	<1.74	<1.74	<1.74	<3.47	<1.74	8.99	<3.55	<4.00	2.58
Styrene	<1.7	<0.852	<0.852	<0.852	<1.7	<0.852	<1.06	<1.74	<1.96	<.852
Tertiary butyl Alcohol	<3.03	4.4	<1.52	<1.52	105	114	1.96	<3.09	3.52	<1.52
Tetrachloroethene	685	<1.36	394	<1.36	624	<1.36	746	<3.0	827	173
Tetrahydrofuran	<2.95	<1.47	<1.47	<1.47	<2.95	<1.46	<1.84	<3.01	<3.39	<1.47
Toluene	<1.51	<0.754	<0.754	<0.754	<1.51	5.95	<0.942	<1.54	<1.74	2.62
t-1,2-Dichloroethene	<1.59	<0.793	<0.793	1.09	<1.59	1.31	<0.991	<1.62	<1.83	<.793
t-1,3Dichloropropene	<1.82	<0.908	<0.908	<0.908	<1.82	<.908	<1.13	<1.85	<2.09	<.908
Trichloroethene	25.8	<1.07	17.6	<1.07	25.4	<1.07	26.1	<2.19	26	7.74
Trichlorofluoromethane (Freon 11)	<2.25	1.76	1.4	2.28	<2.25	2.25	1.55	<2.29	<2.59	1.16
Vinyl Bromide	<1.75	<0.874	<0.874	<0.874	<1.75	<0.874	<1.09	<1.78	<2.02	<0.874
Vinyl Chloride	<1.02	<0.511	<0.511	<0.511	2.01	<0.511	<0.639	<1.04	<1.18	<0.511
Total VOCs	771.16	69.36	465.84	82.65	2,631	1,057.94	900.98	32.65	1,156.07	225.70
Total CVOCs	764.30	41.20	451.10	66.20	683	88.80	798.20	0.00	886.60	193.64

## Notes:

As of July 2017, the carbon drum has been discont

< - Concentration is less than the reporting limit

Highlighted values indicate detectable concentra

**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
08/01/19	1,156	210	0.0008	7.3239
05/11/20	226	210	0.0005	3.6962
<b>Total TVOCs Removed since November 10, 2015 (lbs):</b>				<b>31.2614</b>

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.

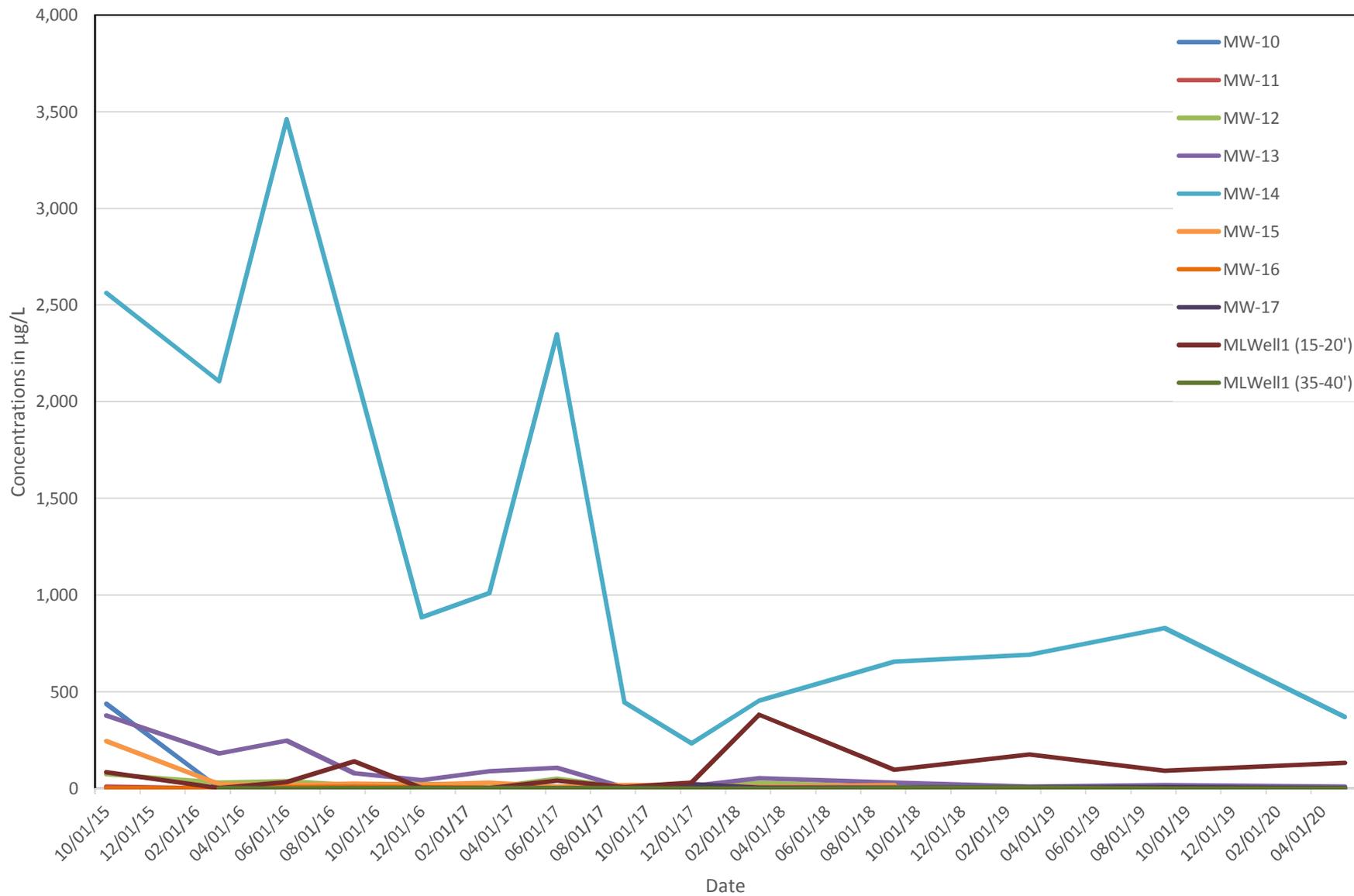
The SVE influent concentration on 6/1/17 was edited to remove acetone and 2-butanone, typical laboratory contaminants, that constituted approximately half of the TVOC measurement.

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



## CHARTS

Chart 1  
Groundwater CVOCs Per Well



**Chart 2**  
Groundwater CVOCs Across All Wells

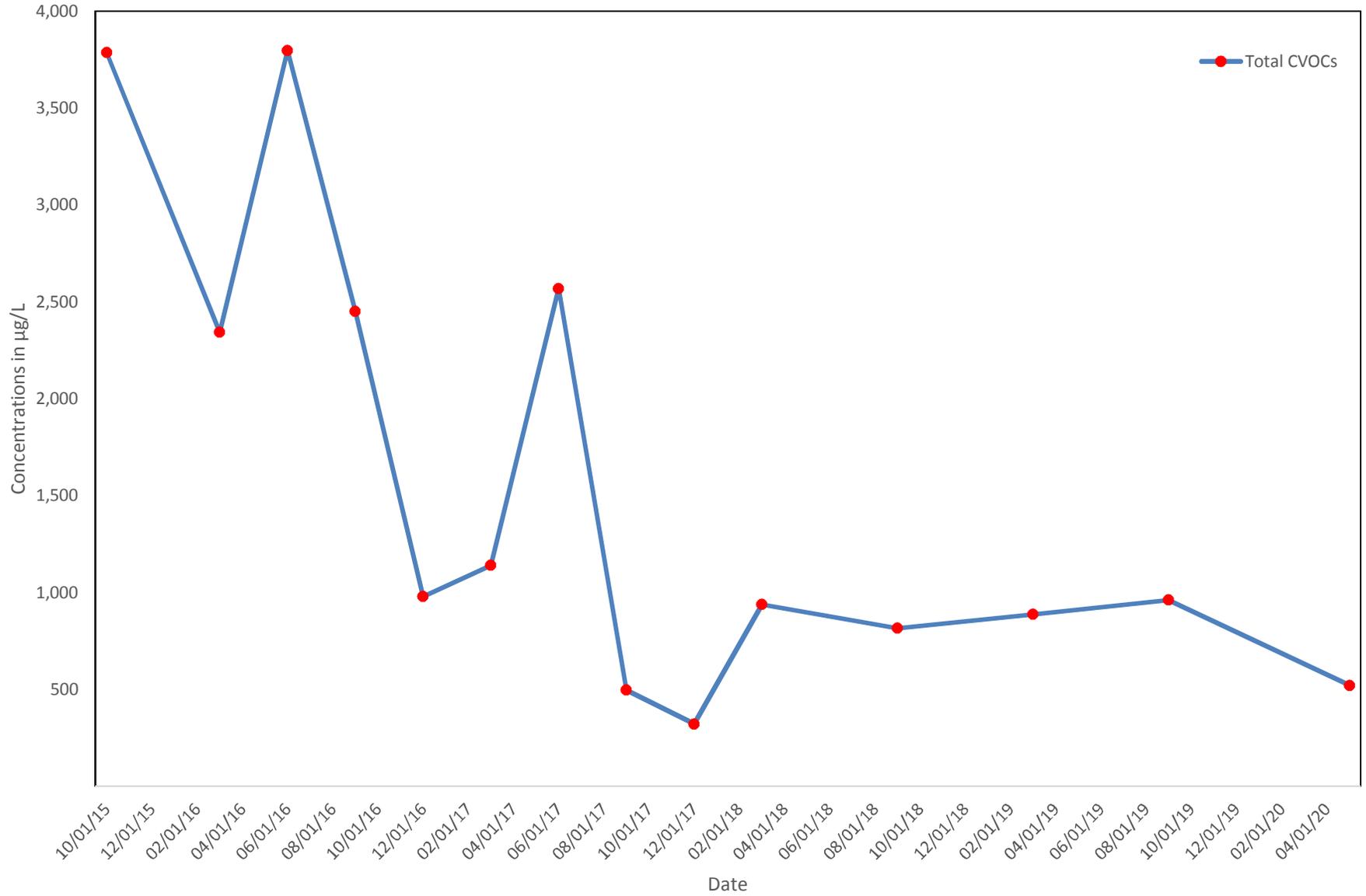
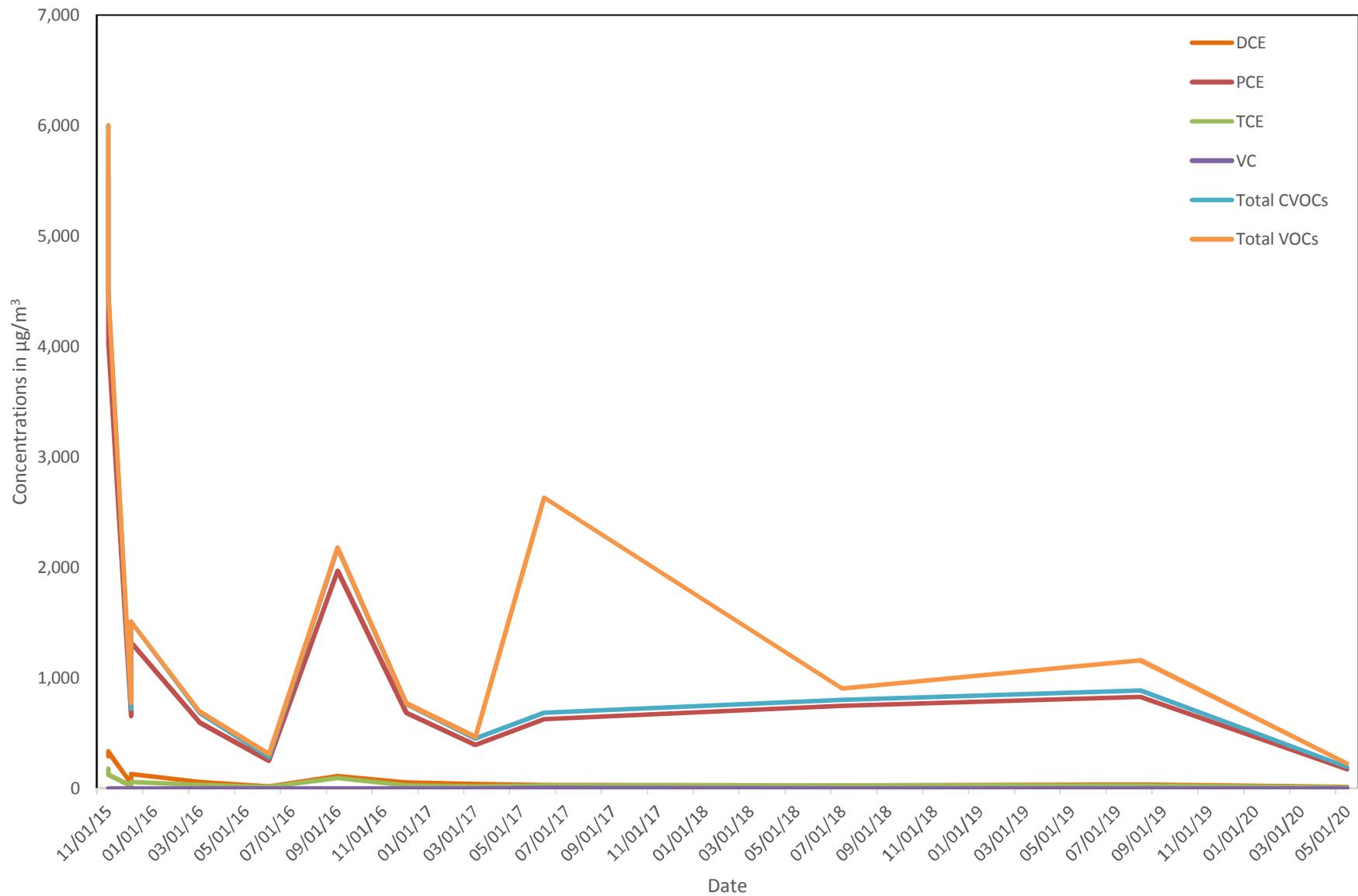


Chart 3  
SVE - INFLUENT VOCs





## APPENDIX A

# Annual / Severe Weather Inspection Form

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157

Inspector's Name: Nick Russell

Inspection Time: 10:00

Inspection Date: 5/11/2020

Weather Conditions: Partly Cloudy, 60°F

General Site Conditions: Site appears to be well kept.

## 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?
- Any other visible openings (unintended) in the ground floors?

## Cover System - Exterior

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

## Monitoring Wells

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

Comments: System and wells are in good condition.

Site is kept clean with garage door closed to the public. Concrete slab is in good condition.

Inspector's Signature: Nick Russell



## APPENDIX B























## APPENDIX C



## ANALYTICAL REPORT

Lab Number:	L2019409
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Nicholas Russell
Phone:	(212) 786-7424
Project Name:	FORMER BRIGHTON CLEANERS
Project Number:	CIR2001
Report Date:	05/15/20

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).

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



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2019409-01	MW-10	WATER	3140 CONEY ISLAND AVE.	05/11/20 13:45	05/11/20
L2019409-02	MW-12	WATER	3140 CONEY ISLAND AVE	05/11/20 11:00	05/11/20
L2019409-03	MW-13	WATER	3140 CONEY ISLAND AVE	05/11/20 11:25	05/11/20
L2019409-04	MW-14	WATER	3140 CONEY ISLAND AVE	05/11/20 11:45	05/11/20
L2019409-05	MLW (15-20)	WATER	3140 CONEY ISLAND AVE	05/11/20 12:00	05/11/20
L2019409-06	MLW (35-40)	WATER	3140 CONEY ISLAND AVE	05/11/20 12:15	05/11/20
L2019409-07	MW-17	WATER	3140 CONEY ISLAND AVE	05/11/20 12:57	05/11/20
L2019409-08	FIELD BLANK	FIELD BLANK	3140 CONEY ISLAND AVE	05/11/20 12:05	05/11/20
L2019409-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	3140 CONEY ISLAND AVE	05/11/20 00:00	05/11/20
L2019409-10	DUPE	WATER	3140 CONEY ISLAND AVE	05/11/20 00:00	05/11/20

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

### 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.

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**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**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:  Tiffani Morrissey

Title: Technical Director/Representative

Date: 05/15/20

# ORGANICS

# VOLATILES

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-01  
 Client ID: MW-10  
 Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 05/11/20 13:45  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 21:15  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	2.7		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-01  
 Client ID: MW-10  
 Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 05/11/20 13:45  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.44	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	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:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-01  
 Client ID: MW-10  
 Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 05/11/20 13:45  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-02  
 Client ID: MW-12  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 21:36  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-02  
 Client ID: MW-12  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.34	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	0.85	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.85	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:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-02  
 Client ID: MW-12  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-03  
 Client ID: MW-13  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:25  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 21:58  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.60		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	0.87	J	ug/l	1.0	0.07	1
Chloroethane	1.4	J	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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

**Lab ID:** L2019409-03  
**Client ID:** MW-13  
**Sample Location:** 3140 CONEY ISLAND AVE

**Date Collected:** 05/11/20 11:25  
**Date Received:** 05/11/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	2.6		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	3.1		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	3.1		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	0.90	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:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-03  
 Client ID: MW-13  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:25  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	0.90	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-04 D  
 Client ID: MW-14  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:45  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 22:19  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	20		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	100		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L2019409**Project Number:** CIR2001**Report Date:** 05/15/20**SAMPLE RESULTS**

Lab ID: L2019409-04 D  
 Client ID: MW-14  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:45  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	9.9		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	240		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	240		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-04 D  
 Client ID: MW-14  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 11:45  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-05  
 Client ID: MLW (15-20)  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 22:41  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	0.48	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
1,1,1,2,2-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	42		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

**Lab ID:** L2019409-05  
**Client ID:** MLW (15-20)  
**Sample Location:** 3140 CONEY ISLAND AVE

**Date Collected:** 05/11/20 12:00  
**Date Received:** 05/11/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.63		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	91		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	93	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	1.6	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:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-05  
 Client ID: MLW (15-20)  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-06  
 Client ID: MLW (35-40)  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:15  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 23:02  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-06  
 Client ID: MLW (35-40)  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:15  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-06  
 Client ID: MLW (35-40)  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:15  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-07  
 Client ID: MW-17  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:57  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 23:23  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	1.9		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
1,1,1,2,2-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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

**Lab ID:** L2019409-07  
**Client ID:** MW-17  
**Sample Location:** 3140 CONEY ISLAND AVE

**Date Collected:** 05/11/20 12:57  
**Date Received:** 05/11/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	0.72		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-07  
 Client ID: MW-17  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:57  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	0.96	J	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	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-08  
 Client ID: FIELD BLANK  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:05  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 19:48  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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:** L2019409**Project Number:** CIR2001**Report Date:** 05/15/20**SAMPLE RESULTS**

Lab ID: L2019409-08  
 Client ID: FIELD BLANK  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:05  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-08  
 Client ID: FIELD BLANK  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 12:05  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-09  
 Client ID: TRIP BLANK  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 00:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 21:09  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-09  
 Client ID: TRIP BLANK  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 00:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-09  
 Client ID: TRIP BLANK  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 00:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-10 D  
 Client ID: DUPE  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 00:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 21:55  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	18		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	100		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L2019409**Project Number:** CIR2001**Report Date:** 05/15/20**SAMPLE RESULTS**

Lab ID: L2019409-10 D  
 Client ID: DUPE  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 00:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	11		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	260		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	260		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**SAMPLE RESULTS**

Lab ID: L2019409-10 D  
 Client ID: DUPE  
 Sample Location: 3140 CONEY ISLAND AVE

Date Collected: 05/11/20 00:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/14/20 20:00  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1371093-5					
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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/14/20 20:00  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1371093-5					
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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/14/20 20:00  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1371093-5					
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	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/14/20 17:58  
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1371118-5					
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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/14/20 17:58  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1371118-5					
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  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/14/20 17:58  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1371118-5					
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	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	93		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2019409

Project Number: CIR2001

Report Date: 05/15/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1371093-3 WG1371093-4								
Methylene chloride	97		99		70-130	2		20
1,1-Dichloroethane	98		99		70-130	1		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	93		98		63-130	5		20
1,1,2-Trichloroethane	91		97		70-130	6		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	90		94		70-130	4		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	95		100		54-136	5		20
1,1,1,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	95		98		70-130	3		20
Ethylbenzene	94		95		70-130	1		20
Chloromethane	69		73		64-130	6		20
Bromomethane	19	Q	27	Q	39-139	35	Q	20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1371093-3 WG1371093-4								
Vinyl chloride	93		94		55-140	1		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	96		96		70-130	0		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	90		95		63-130	5		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	86		90		64-130	5		20
Acrylonitrile	81		88		70-130	8		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	74		80		58-148	8		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	79		82		63-138	4		20
Vinyl acetate	77		81		70-130	5		20
4-Methyl-2-pentanone	81		88		59-130	8		20
2-Hexanone	69		76		57-130	10		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1371093-3 WG1371093-4									
Bromochloromethane	120		120		70-130		0		20
2,2-Dichloropropane	110		100		63-133		10		20
1,2-Dibromoethane	96		99		70-130		3		20
1,3-Dichloropropane	90		92		70-130		2		20
1,1,1,2-Tetrachloroethane	97		100		64-130		3		20
Bromobenzene	100		100		70-130		0		20
n-Butylbenzene	86		88		53-136		2		20
sec-Butylbenzene	89		90		70-130		1		20
tert-Butylbenzene	92		93		70-130		1		20
o-Chlorotoluene	92		91		70-130		1		20
p-Chlorotoluene	92		92		70-130		0		20
1,2-Dibromo-3-chloropropane	84		96		41-144		13		20
Hexachlorobutadiene	94		100		63-130		6		20
Isopropylbenzene	92		94		70-130		2		20
p-Isopropyltoluene	89		91		70-130		2		20
Naphthalene	86		86		70-130		0		20
n-Propylbenzene	92		93		69-130		1		20
1,2,3-Trichlorobenzene	74		85		70-130		14		20
1,2,4-Trichlorobenzene	86		93		70-130		8		20
1,3,5-Trimethylbenzene	90		90		64-130		0		20
1,2,4-Trimethylbenzene	91		91		70-130		0		20
1,4-Dioxane	134		136		56-162		1		20
p-Diethylbenzene	89		90		70-130		1		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1371093-3 WG1371093-4								
p-Ethyltoluene	92		90		70-130	2		20
1,2,4,5-Tetramethylbenzene	89		90		70-130	1		20
Ethyl ether	91		94		59-134	3		20
trans-1,4-Dichloro-2-butene	74		77		70-130	4		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	103		102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2019409

Project Number: CIR2001

Report Date: 05/15/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1371118-3 WG1371118-4								
Methylene chloride	98		96		70-130	2		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	90		89		70-130	1		20
Carbon tetrachloride	90		90		63-132	0		20
1,2-Dichloropropane	94		96		70-130	2		20
Dibromochloromethane	96		87		63-130	10		20
1,1,2-Trichloroethane	100		93		70-130	7		20
Tetrachloroethene	100		97		70-130	3		20
Chlorobenzene	99		97		75-130	2		20
Trichlorofluoromethane	95		95		62-150	0		20
1,2-Dichloroethane	92		86		70-130	7		20
1,1,1-Trichloroethane	90		90		67-130	0		20
Bromodichloromethane	88		89		67-130	1		20
trans-1,3-Dichloropropene	92		82		70-130	11		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
1,1-Dichloropropene	95		96		70-130	1		20
Bromoform	84		86		54-136	2		20
1,1,2,2-Tetrachloroethane	97		92		67-130	5		20
Benzene	96		95		70-130	1		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	83		82		64-130	1		20
Bromomethane	67		67		39-139	0		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1371118-3 WG1371118-4								
Vinyl chloride	91		88		55-140	3		20
Chloroethane	100		98		55-138	2		20
1,1-Dichloroethene	100		97		61-145	3		20
trans-1,2-Dichloroethene	96		100		70-130	4		20
Trichloroethene	92		92		70-130	0		20
1,2-Dichlorobenzene	97		94		70-130	3		20
1,3-Dichlorobenzene	97		94		70-130	3		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	88		84		63-130	5		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	97		97		70-130	0		20
Dibromomethane	95		91		70-130	4		20
1,2,3-Trichloropropane	97		92		64-130	5		20
Acrylonitrile	90		91		70-130	1		20
Styrene	105		95		70-130	10		20
Dichlorodifluoromethane	78		82		36-147	5		20
Acetone	93		89		58-148	4		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	89		91		63-138	2		20
Vinyl acetate	83		80		70-130	4		20
4-Methyl-2-pentanone	100		94		59-130	6		20
2-Hexanone	92		88		57-130	4		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1371118-3 WG1371118-4								
Bromochloromethane	98		98		70-130	0		20
2,2-Dichloropropane	90		88		63-133	2		20
1,2-Dibromoethane	100		89		70-130	12		20
1,3-Dichloropropane	110		96		70-130	14		20
1,1,1,2-Tetrachloroethane	94		91		64-130	3		20
Bromobenzene	99		96		70-130	3		20
n-Butylbenzene	99		94		53-136	5		20
sec-Butylbenzene	100		98		70-130	2		20
tert-Butylbenzene	87		83		70-130	5		20
o-Chlorotoluene	97		92		70-130	5		20
p-Chlorotoluene	96		92		70-130	4		20
1,2-Dibromo-3-chloropropane	86		82		41-144	5		20
Hexachlorobutadiene	88		77		63-130	13		20
Isopropylbenzene	99		97		70-130	2		20
p-Isopropyltoluene	100		94		70-130	6		20
Naphthalene	81		89		70-130	9		20
n-Propylbenzene	100		97		69-130	3		20
1,2,3-Trichlorobenzene	83		89		70-130	7		20
1,2,4-Trichlorobenzene	92		88		70-130	4		20
1,3,5-Trimethylbenzene	98		92		64-130	6		20
1,2,4-Trimethylbenzene	99		94		70-130	5		20
1,4-Dioxane	94		98		56-162	4		20
p-Diethylbenzene	93		88		70-130	6		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR2001

**Lab Number:** L2019409

**Report Date:** 05/15/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1371118-3 WG1371118-4								
p-Ethyltoluene	96		91		70-130	5		20
1,2,4,5-Tetramethylbenzene	90		87		70-130	3		20
Ethyl ether	88		92		59-134	4		20
trans-1,4-Dichloro-2-butene	87		78		70-130	11		20

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	104		97		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	96		98		70-130

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1371118-6 WG1371118-7 QC Sample: L2019409-02 Client ID: MW-12												
Methylene chloride	ND	10	11	110		10	100		70-130	10		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	10	100		9.6	96		70-130	4		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	9.9	99		11	110		70-130	11		20
Dibromochloromethane	ND	10	9.0	90		9.2	92		63-130	2		20
1,1,2-Trichloroethane	ND	10	9.2	92		9.2	92		70-130	0		20
Tetrachloroethene	2.2	10	12	98		12	98		70-130	0		20
Chlorobenzene	ND	10	9.9	99		11	110		75-130	11		20
Trichlorofluoromethane	ND	10	12	120		11	110		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		9.3	93		70-130	7		20
1,1,1-Trichloroethane	ND	10	11	110		10	100		67-130	10		20
Bromodichloromethane	ND	10	9.6	96		9.5	95		67-130	1		20
trans-1,3-Dichloropropene	ND	10	8.4	84		8.6	86		70-130	2		20
cis-1,3-Dichloropropene	ND	10	9.2	92		8.6	86		70-130	7		20
1,1-Dichloropropene	ND	10	10	100		11	110		70-130	10		20
Bromoform	ND	10	8.5	85		9.1	91		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	9.3	93		9.4	94		67-130	1		20
Benzene	ND	10	9.5	95		10	100		70-130	5		20
Toluene	ND	10	9.1	91		9.7	97		70-130	6		20
Ethylbenzene	ND	10	9.8	98		10	100		70-130	2		20
Chloromethane	ND	10	9.7	97		9.7	97		64-130	0		20
Bromomethane	ND	10	5.0	50		5.7	57		39-139	13		20

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1371118-6 WG1371118-7 QC Sample: L2019409-02 Client ID: MW-12												
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20
Chloroethane	ND	10	12	120		11	110		55-138	9		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	0.34J	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.6	96		10	100		70-130	4		20
1,3-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
Methyl tert butyl ether	ND	10	9.3	93		8.7	87		63-130	7		20
p/m-Xylene	ND	20	20	100		21	105		70-130	5		20
o-Xylene	ND	20	20	100		22	110		70-130	10		20
cis-1,2-Dichloroethene	0.85J	10	12	120		12	120		70-130	0		20
Dibromomethane	ND	10	9.8	98		9.7	97		70-130	1		20
1,2,3-Trichloropropane	ND	10	9.6	96		9.4	94		64-130	2		20
Acrylonitrile	ND	10	9.9	99		8.8	88		70-130	12		20
Styrene	ND	20	19	95		21	105		70-130	10		20
Dichlorodifluoromethane	ND	10	9.7	97		9.8	98		36-147	1		20
Acetone	ND	10	12	120		9.0	90		58-148	29	Q	20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	9.2	92		9.2	92		63-138	0		20
Vinyl acetate	ND	10	8.5	85		8.0	80		70-130	6		20
4-Methyl-2-pentanone	ND	10	8.8	88		8.3	83		59-130	6		20
2-Hexanone	ND	10	8.4	84		8.5	85		57-130	1		20

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1371118-6 WG1371118-7 QC Sample: L2019409-02 Client ID: MW-12												
Bromochloromethane	ND	10	11	110		9.6	96		70-130	14		20
2,2-Dichloropropane	ND	10	8.6	86		8.2	82		63-133	5		20
1,2-Dibromoethane	ND	10	9.0	90		9.4	94		70-130	4		20
1,3-Dichloropropane	ND	10	9.7	97		10	100		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.0	90		9.9	99		64-130	10		20
Bromobenzene	ND	10	10	100		10	100		70-130	0		20
n-Butylbenzene	ND	10	9.7	97		10	100		53-136	3		20
sec-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
tert-Butylbenzene	ND	10	8.6	86		9.1	91		70-130	6		20
o-Chlorotoluene	ND	10	9.6	96		10	100		70-130	4		20
p-Chlorotoluene	ND	10	9.8	98		10	100		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	8.5	85		9.0	90		41-144	6		20
Hexachlorobutadiene	ND	10	8.3	83		8.8	88		63-130	6		20
Isopropylbenzene	ND	10	9.9	99		11	110		70-130	11		20
p-Isopropyltoluene	ND	10	9.7	97		10	100		70-130	3		20
Naphthalene	ND	10	9.1	91		9.3	93		70-130	2		20
n-Propylbenzene	ND	10	10	100		10	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.3	93		9.7	97		70-130	4		20
1,2,4-Trichlorobenzene	ND	10	9.4	94		9.6	96		70-130	2		20
1,3,5-Trimethylbenzene	ND	10	9.5	95		10	100		64-130	5		20
1,2,4-Trimethylbenzene	ND	10	9.6	96		10	100		70-130	4		20
1,4-Dioxane	ND	500	440	88		460	92		56-162	4		20
p-Diethylbenzene	ND	10	9.6	96		10	100		70-130	4		20

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019409

**Project Number:** CIR2001

**Report Date:** 05/15/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1371118-6 WG1371118-7 QC Sample: L2019409-02 Client ID: MW-12												
p-Ethyltoluene	ND	10	9.8	98		10	100		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	10	9.3	93		9.7	97		70-130	4		20
Ethyl ether	ND	10	9.1	91		9.7	97		59-134	6		20
trans-1,4-Dichloro-2-butene	ND	10	7.2	72		7.0	70		70-130	3		20

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	105		87		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	113		100		70-130
Toluene-d8	91		92		70-130

**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L2019409**Project Number:** CIR2001**Report Date:** 05/15/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2019409-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02A1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02A2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02B1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02B2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02C1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-02C2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-04A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-04B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-04C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-06A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-06B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L2019409**Project Number:** CIR2001**Report Date:** 05/15/20**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2019409-06C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-07A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-07B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-07C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-08A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-08B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-08C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-09A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-09B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-10A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-10B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2019409-10C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

## 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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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

Report Format: DU Report with 'J' Qualifiers



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

- 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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**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.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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

Report Format: DU Report with 'J' Qualifiers



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

**Data Qualifiers**

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:** CIR2001

**Lab Number:** L2019409  
**Report Date:** 05/15/20

## 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

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### 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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

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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, SM4500NO2-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**

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

 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page of	Date Rec'd in Lab <b>5/11/20</b>	ALPHA Job # <b>L2019409</b>													
	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	<b>Project Information</b> Project Name: <b>Former Brighton Cleaners</b> Project Location: <b>3170 Coney Ishe Ave.</b> Project # <b>CDR 2001</b> (Use Project name as Project #) <input checked="" type="checkbox"/>		<b>Deliverables:</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other												
<b>Client Information</b> Client: <b>P.W. GROSSER CONSULTING</b> Address: <b>630 Johnson Ave. Ste 7 Bohemia NY 11716</b> Phone: <b>631-589-6353</b> Fax: Email: <b>NRussell@pwgrosser.com</b>		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #													
<b>Turn-Around Time</b> Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)													
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>ANALYSIS</b>		<b>Sample Specific Comments</b>													
Other project specific requirements/comments:		VOCs (8260)		Total Bottles													
Please specify Metals or TAL.																	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials													
19409-01	MW-10	5.11.2020	1345	GW	NR	X											
02	MW-12/MS/MSD		11:00			X											
03	MW-13		11:25			X											
04	MW-14		11:45			X											
05	MLW(15-20)		12:00			X											
06	MLW(35-40)		12:15			X											
07	MW-17		12:57			X											
08	Field Blank		12:05			X											
09	Trip Blank		-			X											
10	DUPE		XX			X											
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 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 <input checked="" type="checkbox"/>	Preservative <b>B</b>	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.)												
Relinquished By:		Date/Time		Received By:		Date/Time											
Non Raw		5.11.20 1530		MGBAR		5.11.20 1530											
MGBAR		5.11.20 1730		Paul M...		5/11/20 1750											
Paul M...		5/11/20 2000		5/11/20 2200		5/11/20 2200											



## ANALYTICAL REPORT

Lab Number:	L1927713
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:	07/02/19

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).

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



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1927713  
**Report Date:** 07/02/19

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1927713-01	EFF	SOIL_VAPOR	3140 CONEY ISLAND AVE., BROOKLYN	06/24/19 13:00	06/25/19

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1927713  
**Report Date:** 07/02/19

### 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.

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**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1927713  
**Report Date:** 07/02/19

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on June 24, 2019. The canister certification results are provided as an addendum.

L1927713-01: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The WG1255372-3 LCS recovery for 2-hexanone (132%), dibromochloromethane (138%), bromoform (150%), benzyl chloride (151%), 1,2,4-trichlorobenzene (136%) and hexachlorobutadiene (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: 07/02/19

**AIR**

**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L1927713**Project Number:** CIR1901**Report Date:** 07/02/19**SAMPLE RESULTS**

Lab ID: L1927713-01 D  
 Client ID: EFF  
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 06/24/19 13:00  
 Date Received: 06/25/19  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/01/19 22:50  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.412	0.408	--	2.04	2.02	--		2.041
Chloromethane	0.502	0.408	--	1.04	0.843	--		2.041
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.408	--	ND	2.85	--		2.041
Vinyl chloride	ND	0.408	--	ND	1.04	--		2.041
1,3-Butadiene	ND	0.408	--	ND	0.903	--		2.041
Bromomethane	ND	0.408	--	ND	1.58	--		2.041
Chloroethane	ND	0.408	--	ND	1.08	--		2.041
Ethyl Alcohol	ND	10.2	--	ND	19.2	--		2.041
Vinyl bromide	ND	0.408	--	ND	1.78	--		2.041
Acetone	7.08	2.04	--	16.8	4.85	--		2.041
Trichlorofluoromethane	ND	0.408	--	ND	2.29	--		2.041
iso-Propyl Alcohol	3.50	1.02	--	8.60	2.51	--		2.041
1,1-Dichloroethene	ND	0.408	--	ND	1.62	--		2.041
tert-Butyl Alcohol	ND	1.02	--	ND	3.09	--		2.041
Methylene chloride	1.20	1.02	--	4.17	3.54	--		2.041
3-Chloropropene	ND	0.408	--	ND	1.28	--		2.041
Carbon disulfide	ND	0.408	--	ND	1.27	--		2.041
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.408	--	ND	3.13	--		2.041
trans-1,2-Dichloroethene	ND	0.408	--	ND	1.62	--		2.041
1,1-Dichloroethane	ND	0.408	--	ND	1.65	--		2.041
Methyl tert butyl ether	ND	0.408	--	ND	1.47	--		2.041
2-Butanone	ND	1.02	--	ND	3.01	--		2.041
cis-1,2-Dichloroethene	ND	0.408	--	ND	1.62	--		2.041



**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L1927713**Project Number:** CIR1901**Report Date:** 07/02/19**SAMPLE RESULTS**

Lab ID: L1927713-01 D  
 Client ID: EFF  
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 06/24/19 13:00  
 Date Received: 06/25/19  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	1.02	--	ND	3.68	--		2.041
Chloroform	ND	0.408	--	ND	1.99	--		2.041
Tetrahydrofuran	ND	1.02	--	ND	3.01	--		2.041
1,2-Dichloroethane	ND	0.408	--	ND	1.65	--		2.041
n-Hexane	ND	0.408	--	ND	1.44	--		2.041
1,1,1-Trichloroethane	ND	0.408	--	ND	2.23	--		2.041
Benzene	ND	0.408	--	ND	1.30	--		2.041
Carbon tetrachloride	ND	0.408	--	ND	2.57	--		2.041
Cyclohexane	ND	0.408	--	ND	1.40	--		2.041
1,2-Dichloropropane	ND	0.408	--	ND	1.89	--		2.041
Xylene (Total)	ND	0.408	--	ND	1.77	--		2.041
Bromodichloromethane	ND	0.408	--	ND	2.73	--		2.041
1,4-Dioxane	ND	0.408	--	ND	1.47	--		2.041
Trichloroethene	ND	0.408	--	ND	2.19	--		2.041
2,2,4-Trimethylpentane	ND	0.408	--	ND	1.91	--		2.041
Heptane	ND	0.408	--	ND	1.67	--		2.041
cis-1,3-Dichloropropene	ND	0.408	--	ND	1.85	--		2.041
4-Methyl-2-pentanone	ND	1.02	--	ND	4.18	--		2.041
trans-1,3-Dichloropropene	ND	0.408	--	ND	1.85	--		2.041
1,1,2-Trichloroethane	ND	0.408	--	ND	2.23	--		2.041
Toluene	ND	0.408	--	ND	1.54	--		2.041
1,2-Dichloroethene (total)	ND	0.408	--	ND	1.62	--		2.041
2-Hexanone	ND	0.408	--	ND	1.67	--		2.041
1,3-Dichloropropene, Total	ND	0.408	--	ND	1.85	--		2.041
Dibromochloromethane	ND	0.408	--	ND	3.48	--		2.041
1,2-Dibromoethane	ND	0.408	--	ND	3.14	--		2.041



**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L1927713**Project Number:** CIR1901**Report Date:** 07/02/19**SAMPLE RESULTS**

Lab ID: L1927713-01 D  
 Client ID: EFF  
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 06/24/19 13:00  
 Date Received: 06/25/19  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Tetrachloroethene	ND	0.408	--	ND	2.77	--		2.041
Chlorobenzene	ND	0.408	--	ND	1.88	--		2.041
Ethylbenzene	ND	0.408	--	ND	1.77	--		2.041
p/m-Xylene	ND	0.816	--	ND	3.54	--		2.041
Bromoform	ND	0.408	--	ND	4.22	--		2.041
Styrene	ND	0.408	--	ND	1.74	--		2.041
1,1,2,2-Tetrachloroethane	ND	0.408	--	ND	2.80	--		2.041
o-Xylene	ND	0.408	--	ND	1.77	--		2.041
4-Ethyltoluene	ND	0.408	--	ND	2.01	--		2.041
1,3,5-Trimethylbenzene	ND	0.408	--	ND	2.01	--		2.041
1,2,4-Trimethylbenzene	ND	0.408	--	ND	2.01	--		2.041
Benzyl chloride	ND	0.408	--	ND	2.11	--		2.041
1,3-Dichlorobenzene	ND	0.408	--	ND	2.45	--		2.041
1,4-Dichlorobenzene	ND	0.408	--	ND	2.45	--		2.041
1,2-Dichlorobenzene	ND	0.408	--	ND	2.45	--		2.041
1,2,4-Trichlorobenzene	ND	0.408	--	ND	3.03	--		2.041
Hexachlorobutadiene	ND	0.408	--	ND	4.35	--		2.041

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	113		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	114		60-140



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1927713

Project Number: CIR1901

Report Date: 07/02/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/01/19 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1255372-4								
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
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

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1927713

Project Number: CIR1901

Report Date: 07/02/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/01/19 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1255372-4								
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
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
Xylene (Total)	ND	0.200	--	ND	0.869	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1927713

Project Number: CIR1901

Report Date: 07/02/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/01/19 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1255372-4								
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
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
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



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1927713

Project Number: CIR1901

Report Date: 07/02/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/01/19 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1255372-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
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

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1927713

Project Number: CIR1901

Report Date: 07/02/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/01/19 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1255372-4								
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
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 CLEANERS

**Lab Number:** L1927713

**Project Number:** CIR1901

**Report Date:** 07/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1255372-3								
Chlorodifluoromethane	85		-		70-130	-		
Propylene	114		-		70-130	-		
Propane	86		-		70-130	-		
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	107		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	92		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Butane	105		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	90		-		70-130	-		
Ethyl Alcohol	79		-		40-160	-		
Dichlorofluoromethane	96		-		70-130	-		
Vinyl bromide	104		-		70-130	-		
Acrolein	78		-		70-130	-		
Acetone	85		-		40-160	-		
Acetonitrile	99		-		70-130	-		
Trichlorofluoromethane	95		-		70-130	-		
iso-Propyl Alcohol	97		-		40-160	-		
Acrylonitrile	87		-		70-130	-		
Pentane	102		-		70-130	-		
Ethyl ether	81		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L1927713

**Project Number:** CIR1901

**Report Date:** 07/02/19

Parameter	LCS	Qual	LCSD	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1255372-3								
1,1-Dichloroethene	93		-		70-130	-		
tert-Butyl Alcohol	84		-		70-130	-		
Methylene chloride	104		-		70-130	-		
3-Chloropropene	116		-		70-130	-		
Carbon disulfide	105		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	108		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	103		-		70-130	-		
Vinyl acetate	113		-		70-130	-		
2-Butanone	114		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Ethyl Acetate	104		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	116		-		70-130	-		
2,2-Dichloropropane	91		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	91		-		70-130	-		
Isopropyl Ether	85		-		70-130	-		
Ethyl-Tert-Butyl-Ether	84		-		70-130	-		
1,2-Dichloroethene (total)	94		-			-		
1,2-Dichloroethene (total)	94		-			-		
1,1,1-Trichloroethane	106		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L1927713

**Project Number:** CIR1901

**Report Date:** 07/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1255372-3								
1,1-Dichloropropene	102		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	115		-		70-130	-		
Cyclohexane	91		-		70-130	-		
Tertiary-Amyl Methyl Ether	97		-		70-130	-		
Dibromomethane	96		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	92		-		70-130	-		
Methyl Methacrylate	81		-		40-160	-		
Heptane	116		-		70-130	-		
cis-1,3-Dichloropropene	119		-		70-130	-		
4-Methyl-2-pentanone	119		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	113		-		70-130	-		
Toluene	111		-		70-130	-		
1,3-Dichloropropane	110		-		70-130	-		
2-Hexanone	<b>132</b>	Q	-		70-130	-		
Dibromochloromethane	<b>138</b>	Q	-		70-130	-		
1,2-Dibromoethane	128		-		70-130	-		
Butyl Acetate	119		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L1927713

**Project Number:** CIR1901

**Report Date:** 07/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1255372-3								
Octane	96		-		70-130	-		
Tetrachloroethene	116		-		70-130	-		
1,1,1,2-Tetrachloroethane	122		-		70-130	-		
Chlorobenzene	117		-		70-130	-		
Ethylbenzene	116		-		70-130	-		
p/m-Xylene	114		-		70-130	-		
Bromoform	<b>150</b>	Q	-		70-130	-		
Styrene	123		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	115		-		70-130	-		
1,2,3-Trichloropropane	112		-		70-130	-		
Nonane (C9)	121		-		70-130	-		
Isopropylbenzene	118		-		70-130	-		
Bromobenzene	106		-		70-130	-		
o-Chlorotoluene	108		-		70-130	-		
n-Propylbenzene	105		-		70-130	-		
p-Chlorotoluene	108		-		70-130	-		
4-Ethyltoluene	123		-		70-130	-		
1,3,5-Trimethylbenzene	120		-		70-130	-		
tert-Butylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	126		-		70-130	-		
Decane (C10)	106		-		70-130	-		
Benzyl chloride	<b>151</b>	Q	-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR1901

**Lab Number:** L1927713

**Report Date:** 07/02/19

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1255372-3								
1,3-Dichlorobenzene	129		-		70-130	-		
1,4-Dichlorobenzene	129		-		70-130	-		
sec-Butylbenzene	117		-		70-130	-		
p-Isopropyltoluene	98		-		70-130	-		
1,2-Dichlorobenzene	128		-		70-130	-		
n-Butylbenzene	119		-		70-130	-		
1,2-Dibromo-3-chloropropane	121		-		70-130	-		
Undecane	113		-		70-130	-		
Dodecane (C12)	123		-		70-130	-		
1,2,4-Trichlorobenzene	<b>136</b>	Q	-		70-130	-		
Naphthalene	110		-		70-130	-		
1,2,3-Trichlorobenzene	128		-		70-130	-		
Hexachlorobutadiene	<b>136</b>	Q	-		70-130	-		

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR1901

Serial\_No:07021914:26  
**Lab Number:** L1927713

**Report Date:** 07/02/19

**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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1927713-01	EFF	2497	1.0L Can	06/24/19	295193	L1925687-04	Pass	-29.1	-1.7	-	-	-	-

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

**Lab Number:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

**Lab ID:** L1925687-04  
**Client ID:** CAN 877 SHELF 13  
**Sample Location:**

**Date Collected:** 06/14/19 09:00  
**Date Received:** 06/14/19  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 06/14/19 22:59  
**Analyst:** TS

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
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



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

**Lab Number:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 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								
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
Xylenes, total	ND	0.600	--	ND	0.869	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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

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

**Lab Number:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 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								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1



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

**Lab Number:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 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								
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
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  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 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								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	81		60-140



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

**Lab Number:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 06/14/19 22:59  
 Analyst: TS

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:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 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-Trimethylbenzene	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:** L1925687  
**Report Date:** 07/02/19

### Air Canister Certification Results

Lab ID: L1925687-04  
 Client ID: CAN 877 SHELF 13  
 Sample Location:

Date Collected: 06/14/19 09:00  
 Date Received: 06/14/19  
 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	89		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	79		60-140

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

Serial\_No:07021914:26  
**Lab Number:** L1927713  
**Report Date:** 07/02/19

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
NA	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1927713-01A	Canister - 1 Liter	NA	NA			Y	Absent		TO15-LL(30)

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1927713  
**Report Date:** 07/02/19

## 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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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

Report Format: Data Usability Report



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1927713  
**Report Date:** 07/02/19

- 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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**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. 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 reporting limit (RL) for the sample.
- 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: Data Usability Report



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1927713  
**Report Date:** 07/02/19

## REFERENCES

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

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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

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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, **LCHAT 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**

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



# AIR ANALYSIS

PAGE 1 OF 1

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

Date Rec'd in Lab: 6/29/19

ALPHA Job #: L1927713

### Client Information

Client: P.W. GROSSER CONSULTING  
 Address: 630 Johnson Ave. St. 7  
Bohemia NY 11716  
 Phone: 631-589-6353  
 Fax:  
 Email: JenniferL@pwj.com

### Project Information

Project Name: Former Brighton Cleaners  
 Project Location: 3140 Cony Island Ave.  
 Project #: CIR1901  
 Project Manager: Jennifer Lewis  
 ALPHA Quote #:

### Turn-Around Time

Standard  RUSH (only confirmed if pre-approved!)

Date Due: Time:

### Report Information - Data Deliverables

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

### Billing Information

Same as Client info PO #:

### Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

### All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Substrate Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<u>92773.01</u>	<u>EFF</u>	<u>6-24-19</u>	<u>1300</u>	<u>1300</u>	<u>-29.1</u>	<u>-4.0</u>	<u>SV</u>	<u>NR</u>	<u>1L</u>	<u>2497</u>	<u>-</u>	<u>X</u>					

### \*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:

Date/Time

Received By:

Date/Time:

NA [Signature]

6-24-19 1300  
6/25/19 1435

[Signature] AKL 6/24/19 1516  
[Signature] 6/26/19 0300



## ANALYTICAL REPORT

Lab Number:	L1934426
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:	08/08/19

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).

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



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1934426  
**Report Date:** 08/08/19

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1934426-01	INF	SOIL_VAPOR	3140 CONEY ISLAND AVE., BROOKLYN	08/01/19 12:00	08/01/19

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1934426  
**Report Date:** 08/08/19

### 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:** L1934426  
**Report Date:** 08/08/19

**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on July 31, 2019. The canister certification results are provided as an addendum.

L1934426-01: Prior to sample analysis, the canister was pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

WG1269688-5: Prior to sample analysis, the canister was pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

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

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 08/08/19

**AIR**

**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L1934426**Project Number:** CIR1901**Report Date:** 08/08/19**SAMPLE RESULTS**

Lab ID: L1934426-01 D  
 Client ID: INF  
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 08/01/19 12:00  
 Date Received: 08/01/19  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 08/07/19 20:06  
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.514	0.461	--	2.54	2.28	--		2.305
Chloromethane	0.652	0.461	--	1.35	0.952	--		2.305
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.461	--	ND	3.22	--		2.305
Vinyl chloride	ND	0.461	--	ND	1.18	--		2.305
1,3-Butadiene	0.694	0.461	--	1.54	1.02	--		2.305
Bromomethane	ND	0.461	--	ND	1.79	--		2.305
Chloroethane	3.33	0.461	--	8.79	1.22	--		2.305
Ethyl Alcohol	ND	11.5	--	ND	21.7	--		2.305
Vinyl bromide	ND	0.461	--	ND	2.02	--		2.305
Acetone	66.8	2.30	--	159	5.46	--		2.305
Trichlorofluoromethane	ND	0.461	--	ND	2.59	--		2.305
iso-Propyl Alcohol	5.30	1.15	--	13.0	2.83	--		2.305
1,1-Dichloroethene	ND	0.461	--	ND	1.83	--		2.305
tert-Butyl Alcohol	1.16	1.15	--	3.52	3.49	--		2.305
Methylene chloride	ND	1.15	--	ND	4.00	--		2.305
3-Chloropropene	ND	0.461	--	ND	1.44	--		2.305
Carbon disulfide	1.55	0.461	--	4.83	1.44	--		2.305
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.461	--	ND	3.53	--		2.305
trans-1,2-Dichloroethene	ND	0.461	--	ND	1.83	--		2.305
1,1-Dichloroethane	ND	0.461	--	ND	1.87	--		2.305
Methyl tert butyl ether	ND	0.461	--	ND	1.66	--		2.305
2-Butanone	18.0	1.15	--	53.1	3.39	--		2.305
cis-1,2-Dichloroethene	8.48	0.461	--	33.6	1.83	--		2.305



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1934426  
**Report Date:** 08/08/19

### SAMPLE RESULTS

Lab ID: L1934426-01 D  
 Client ID: INF  
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 08/01/19 12:00  
 Date Received: 08/01/19  
 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	1.15	--	ND	4.14	--		2.305
Chloroform	1.43	0.461	--	6.98	2.25	--		2.305
Tetrahydrofuran	ND	1.15	--	ND	3.39	--		2.305
1,2-Dichloroethane	ND	0.461	--	ND	1.87	--		2.305
n-Hexane	ND	0.461	--	ND	1.62	--		2.305
1,1,1-Trichloroethane	ND	0.461	--	ND	2.52	--		2.305
Benzene	ND	0.461	--	ND	1.47	--		2.305
Carbon tetrachloride	ND	0.461	--	ND	2.90	--		2.305
Cyclohexane	ND	0.461	--	ND	1.59	--		2.305
1,2-Dichloropropane	ND	0.461	--	ND	2.13	--		2.305
Bromodichloromethane	ND	0.461	--	ND	3.09	--		2.305
Xylene (Total)	ND	0.461	--	ND	2.00	--		2.305
1,4-Dioxane	ND	0.461	--	ND	1.66	--		2.305
Trichloroethene	4.83	0.461	--	26.0	2.48	--		2.305
2,2,4-Trimethylpentane	ND	0.461	--	ND	2.15	--		2.305
Heptane	1.03	0.461	--	4.22	1.89	--		2.305
cis-1,3-Dichloropropene	ND	0.461	--	ND	2.09	--		2.305
4-Methyl-2-pentanone	ND	1.15	--	ND	4.71	--		2.305
trans-1,3-Dichloropropene	ND	0.461	--	ND	2.09	--		2.305
1,1,2-Trichloroethane	ND	0.461	--	ND	2.52	--		2.305
Toluene	ND	0.461	--	ND	1.74	--		2.305
1,2-Dichloroethene (total)	8.48	0.461	--	33.6	1.83	--		2.305
2-Hexanone	2.58	0.461	--	10.6	1.89	--		2.305
Dibromochloromethane	ND	0.461	--	ND	3.93	--		2.305
1,3-Dichloropropene, Total	ND	0.461	--	ND	2.09	--		2.305
1,2-Dibromoethane	ND	0.461	--	ND	3.54	--		2.305



**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L1934426**Project Number:** CIR1901**Report Date:** 08/08/19**SAMPLE RESULTS**

Lab ID: L1934426-01 D  
 Client ID: INF  
 Sample Location: 3140 CONEY ISLAND AVE., BROOKLYN

Date Collected: 08/01/19 12:00  
 Date Received: 08/01/19  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Tetrachloroethene	122	0.461	--	827	3.13	--		2.305
Chlorobenzene	ND	0.461	--	ND	2.12	--		2.305
Ethylbenzene	ND	0.461	--	ND	2.00	--		2.305
p/m-Xylene	ND	0.922	--	ND	4.00	--		2.305
Bromoform	ND	0.461	--	ND	4.77	--		2.305
Styrene	ND	0.461	--	ND	1.96	--		2.305
1,1,2,2-Tetrachloroethane	ND	0.461	--	ND	3.17	--		2.305
o-Xylene	ND	0.461	--	ND	2.00	--		2.305
4-Ethyltoluene	ND	0.461	--	ND	2.27	--		2.305
1,3,5-Trimethylbenzene	ND	0.461	--	ND	2.27	--		2.305
1,2,4-Trimethylbenzene	ND	0.461	--	ND	2.27	--		2.305
Benzyl chloride	ND	0.461	--	ND	2.39	--		2.305
1,3-Dichlorobenzene	ND	0.461	--	ND	2.77	--		2.305
1,4-Dichlorobenzene	ND	0.461	--	ND	2.77	--		2.305
1,2-Dichlorobenzene	ND	0.461	--	ND	2.77	--		2.305
1,2,4-Trichlorobenzene	ND	0.461	--	ND	3.42	--		2.305
Hexachlorobutadiene	ND	0.461	--	ND	4.92	--		2.305

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	100		60-140



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1934426

Project Number: CIR1901

Report Date: 08/08/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/07/19 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1269688-4								
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
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

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1934426

Project Number: CIR1901

Report Date: 08/08/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/07/19 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1269688-4								
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
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
Xylene (Total)	ND	0.200	--	ND	0.869	--		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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1934426

Project Number: CIR1901

Report Date: 08/08/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/07/19 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1269688-4								
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
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
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



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1934426

Project Number: CIR1901

Report Date: 08/08/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/07/19 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1269688-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
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

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L1934426

Project Number: CIR1901

Report Date: 08/08/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/07/19 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1269688-4								
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
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 CLEANERS

**Lab Number:** L1934426

**Project Number:** CIR1901

**Report Date:** 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1269688-3								
Chlorodifluoromethane	85		-		70-130	-		
Propylene	126		-		70-130	-		
Propane	94		-		70-130	-		
Dichlorodifluoromethane	104		-		70-130	-		
Chloromethane	104		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	121		-		70-130	-		
Methanol	94		-		70-130	-		
Vinyl chloride	126		-		70-130	-		
1,3-Butadiene	114		-		70-130	-		
Butane	114		-		70-130	-		
Bromomethane	117		-		70-130	-		
Chloroethane	123		-		70-130	-		
Ethyl Alcohol	102		-		40-160	-		
Dichlorofluoromethane	109		-		70-130	-		
Vinyl bromide	102		-		70-130	-		
Acrolein	100		-		70-130	-		
Acetone	92		-		40-160	-		
Acetonitrile	116		-		70-130	-		
Trichlorofluoromethane	97		-		70-130	-		
iso-Propyl Alcohol	96		-		40-160	-		
Acrylonitrile	100		-		70-130	-		
Pentane	108		-		70-130	-		
Ethyl ether	89		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L1934426

**Project Number:** CIR1901

**Report Date:** 08/08/19

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1269688-3								
1,1-Dichloroethene	119		-		70-130	-		
tert-Butyl Alcohol	113		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	127		-		70-130	-		
Carbon disulfide	112		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		-		70-130	-		
trans-1,2-Dichloroethene	115		-		70-130	-		
1,1-Dichloroethane	120		-		70-130	-		
Methyl tert butyl ether	108		-		70-130	-		
Vinyl acetate	117		-		70-130	-		
2-Butanone	111		-		70-130	-		
cis-1,2-Dichloroethene	120		-		70-130	-		
Ethyl Acetate	130		-		70-130	-		
Chloroform	117		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
2,2-Dichloropropane	92		-		70-130	-		
1,2-Dichloroethane	111		-		70-130	-		
n-Hexane	121		-		70-130	-		
Isopropyl Ether	126		-		70-130	-		
Ethyl-Tert-Butyl-Ether	109		-		70-130	-		
1,2-Dichloroethene (total)	118		-			-		
1,2-Dichloroethene (total)	118		-			-		
1,1,1-Trichloroethane	102		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L1934426

**Project Number:** CIR1901

**Report Date:** 08/08/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1269688-3								
1,1-Dichloropropene	107		-		70-130	-		
Benzene	111		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	114		-		70-130	-		
Tertiary-Amyl Methyl Ether	103		-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dichloropropane	114		-		70-130	-		
Bromodichloromethane	114		-		70-130	-		
1,4-Dioxane	113		-		70-130	-		
Trichloroethene	107		-		70-130	-		
2,2,4-Trimethylpentane	128		-		70-130	-		
Methyl Methacrylate	79		-		40-160	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	119		-		70-130	-		
4-Methyl-2-pentanone	109		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	87		-		70-130	-		
1,3-Dichloropropane	89		-		70-130	-		
2-Hexanone	94		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	85		-		70-130	-		
Butyl Acetate	89		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L1934426

**Project Number:** CIR1901

**Report Date:** 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1269688-3								
Octane	86		-		70-130	-		
Tetrachloroethene	88		-		70-130	-		
1,1,1,2-Tetrachloroethane	90		-		70-130	-		
Chlorobenzene	93		-		70-130	-		
Ethylbenzene	91		-		70-130	-		
p/m-Xylene	95		-		70-130	-		
Bromoform	102		-		70-130	-		
Styrene	93		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	100		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	91		-		70-130	-		
Bromobenzene	97		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	89		-		70-130	-		
p-Chlorotoluene	88		-		70-130	-		
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
tert-Butylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	108		-		70-130	-		
Benzyl chloride	104		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR1901

**Lab Number:** L1934426

**Report Date:** 08/08/19

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1269688-3								
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
sec-Butylbenzene	95		-		70-130	-		
p-Isopropyltoluene	85		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	99		-		70-130	-		
1,2-Dibromo-3-chloropropane	101		-		70-130	-		
Undecane	114		-		70-130	-		
Dodecane (C12)	118		-		70-130	-		
1,2,4-Trichlorobenzene	109		-		70-130	-		
Naphthalene	91		-		70-130	-		
1,2,3-Trichlorobenzene	100		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1934426

Report Date: 08/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1269688-5 QC Sample: L1934426-01 Client ID: INF						
Dichlorodifluoromethane	0.514	0.523	ppbV	2		25
Chloromethane	0.652	0.648	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.694	0.698	ppbV	1		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	3.33	3.34	ppbV	0		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	66.8	67.1	ppbV	0		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	5.30	5.37	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	1.16	1.16	ppbV	0		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.55	1.56	ppbV	1		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 CLEANERS

Project Number: CIR1901

Lab Number: L1934426

Report Date: 08/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1269688-5 QC Sample: L1934426-01 Client ID: INF						
2-Butanone	18.0	17.8	ppbV	1		25
cis-1,2-Dichloroethene	8.48	8.50	ppbV	0		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	1.43	1.47	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
Xylene (Total)	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	4.83	4.71	ppbV	3		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	1.03	0.947	ppbV	8		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

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR1901

Lab Number: L1934426

Report Date: 08/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1269688-5 QC Sample: L1934426-01 Client ID: INF						
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	ND	ND	ppbV	NC		25
1,2-Dichloroethene (total)	8.48	8.50	ppbV	0		25
2-Hexanone	2.58	2.54	ppbV	2		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	122	124	ppbV	2		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR1901

**Lab Number:** L1934426

**Report Date:** 08/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1269688-5 QC Sample: L1934426-01 Client ID: INF						
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 CLEANERS

**Project Number:** CIR1901

Serial\_No:08081915:42  
**Lab Number:** L1934426

**Report Date:** 08/08/19

**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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1934426-01	INF	2395	1.0L Can	07/31/19	298425	L1914876-02	Pass	-29.6	-2.8	-	-	-	-

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

**Lab Number:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/12/19 04:49  
 Analyst: TS

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:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 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
Xylenes, total	ND	0.600	--	ND	0.869	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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



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

**Lab Number:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
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:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
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  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 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								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140



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

**Lab Number:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 04/12/19 04:49  
 Analyst: TS

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:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 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-Trimethylbenzene	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:** L1914876  
**Report Date:** 08/08/19

### Air Canister Certification Results

Lab ID: L1914876-02  
 Client ID: CAN 2455 SHELF 10  
 Sample Location:

Date Collected: 04/11/19 09:00  
 Date Received: 04/11/19  
 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	95		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

Serial\_No:08081915:42  
**Lab Number:** L1934426  
**Report Date:** 08/08/19

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
NA	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1934426-01A	Canister - 1 Liter	NA	NA			Y	Absent		TO15-LL(30)

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1934426  
**Report Date:** 08/08/19

## 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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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

Report Format: Data Usability Report



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1934426  
**Report Date:** 08/08/19

- 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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**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. 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 reporting limit (RL) for the sample.
- 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: Data Usability Report



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR1901

**Lab Number:** L1934426  
**Report Date:** 08/08/19

## REFERENCES

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

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### 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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-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.



**CHAIN OF CUSTODY**

**AIR ANALYSIS**

PAGE 1 OF 1

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**Client Information**

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 Fax:  
 Email: JenniferL@pwgrover.com

**Project Information**

Project Name: Former Ogilva Clean  
 Project Location: 310 Connetquot Ave.  
 Project #: CIR1901  
 Project Manager: Jennifer Lewis  
 ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab: 8/21/19

**Report Information - Data Deliverables**

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

ALPHA Job #: L1934426

**Billing Information**

Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed Program Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH <small>Subtract Non-pesticide POC</small>	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
34426.01	Inf	8-1-19	1200	1200	-29.6	-2.0	Inf	NR	1L	2375	-	X					

**\*SAMPLE MATRIX CODES**

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

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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



## ANALYTICAL REPORT

Lab Number:	L2019393
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Nicholas Russell
Phone:	(212) 786-7424
Project Name:	FORMER BRIGHTON CLEANERS
Project Number:	CIR2001
Report Date:	05/18/20

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-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2019393-01	EFFLUENT	SOIL_VAPOR	3140 CONEY ISLAND AVE.	05/11/20 14:00	05/11/20

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

### 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.

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**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

### Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 8, 2020. The canister certification results are provided as an addendum.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/18/20

**AIR**

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

### SAMPLE RESULTS

Lab ID: L2019393-01  
 Client ID: EFFLUENT  
 Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 05/11/20 14:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/14/20 01:02  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.411	0.200	--	2.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.1	5.00	--	19.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--		1
Isopropanol	0.698	0.500	--	1.72	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	3.26	0.200	--	12.9	0.793	--		1



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

### SAMPLE RESULTS

Lab ID: L2019393-01  
 Client ID: EFFLUENT  
 Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 05/11/20 14:00  
 Date Received: 05/11/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.255	0.200	--	1.25	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.201	0.200	--	0.708	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.44	0.200	--	7.74	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	0.695	0.200	--	2.62	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	25.5	0.200	--	173	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



**Project Name:** FORMER BRIGHTON CLEANERS**Lab Number:** L2019393**Project Number:** CIR2001**Report Date:** 05/18/20**SAMPLE RESULTS**

Lab ID: L2019393-01

Date Collected: 05/11/20 14:00

Client ID: EFFLUENT

Date Received: 05/11/20

Sample Location: 3140 CONEY ISLAND AVE.

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	0.594	0.400	--	2.58	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.229	0.200	--	0.995	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	95		60-140



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2019393

Project Number: CIR2001

Report Date: 05/18/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/13/20 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1370344-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2019393

Project Number: CIR2001

Report Date: 05/18/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/13/20 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1370344-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2019393

Project Number: CIR2001

Report Date: 05/18/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/13/20 14:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1370344-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019393

**Project Number:** CIR2001

**Report Date:** 05/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1370344-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	75		-		70-130	-		
Freon-114	89		-		70-130	-		
Vinyl chloride	83		-		70-130	-		
1,3-Butadiene	84		-		70-130	-		
Bromomethane	84		-		70-130	-		
Chloroethane	76		-		70-130	-		
Ethanol	84		-		40-160	-		
Vinyl bromide	78		-		70-130	-		
Acetone	62		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	59		-		40-160	-		
1,1-Dichloroethene	94		-		70-130	-		
Tertiary butyl Alcohol	93		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	84		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
Freon-113	98		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	83		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Lab Number:** L2019393

**Project Number:** CIR2001

**Report Date:** 05/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1370344-3								
Ethyl Acetate	97		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	81		-		70-130	-		
1,2-Dichloroethane	97		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	111		-		70-130	-		
Cyclohexane	99		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	86		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR2001

**Lab Number:** L2019393

**Report Date:** 05/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1370344-3								
Tetrachloroethene	96		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	103		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	107		-		70-130	-		
1,3-Dichlorobenzene	112		-		70-130	-		
1,4-Dichlorobenzene	113		-		70-130	-		
1,2-Dichlorobenzene	115		-		70-130	-		
1,2,4-Trichlorobenzene	118		-		70-130	-		
Hexachlorobutadiene	117		-		70-130	-		

**Project Name:** FORMER BRIGHTON CLEANERS

**Project Number:** CIR2001

Serial\_No:05182012:50  
**Lab Number:** L2019393

**Report Date:** 05/18/20

**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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2019393-01	EFFLUENT	526	2.7L Can	05/08/20	320857	L2018374-06	Pass	-29.0	-1.4	-	-	-	-

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

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 05/06/20 00:37  
 Analyst: EW

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:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 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
Xylenes, total	ND	0.600	--	ND	0.869	--		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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		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



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

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 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								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
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:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
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  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 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								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140



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

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 05/06/20 00:37  
 Analyst: EW

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
Acrolein	ND	0.050	--	ND	0.115	--		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



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

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 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								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
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-Trimethylbenzene	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



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

**Lab Number:** L2018374  
**Report Date:** 05/18/20

### Air Canister Certification Results

Lab ID: L2018374-06  
 Client ID: CAN 2040 SHELF 20  
 Sample Location:

Date Collected: 05/05/20 07:00  
 Date Received: 05/05/20  
 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								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
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	92		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR2001

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

NA                                      Absent

**Container Information****Container ID**    **Container Type**

L2019393-01A    Canister - 2.7 Liter

<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
NA	NA			Y	Absent		TO15-LL(30)

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

## 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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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

Report Format: Data Usability Report



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

- 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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**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.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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. 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 reporting limit (RL) for the sample.
- 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

Report Format: Data Usability Report



**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

**Data Qualifiers**

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.

**Project Name:** FORMER BRIGHTON CLEANERS  
**Project Number:** CIR2001

**Lab Number:** L2019393  
**Report Date:** 05/18/20

## REFERENCES

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

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### 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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

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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, SM4500NO2-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**

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



# AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

**Client Information**

Client: P.W. Grosser Consulting  
 Address: 630 Johnson Ave. #7  
 Bohemia NY 11716  
 Phone: 631-589-6353  
 Fax:

Email: NRussell@pwwgrosser.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

**Project Information**

Project Name: Former Brighton Cleaners  
 Project Location: 3140 Carol Island Rd  
 Project #: CIR2001  
 Project Manager: Nick Russell  
 ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab: 5/12/20

**Report Information - Data Deliverables**

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

ALPHA Job #: L2019393

**Billing Information**

Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm

**ANALYSIS**

TO-15  
 TO-15 SIM  
 APH Substrate Non-petroleum HCs  
 Fixed Gases  
 Sulfides & Mercaptans by TO-15

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Substrate Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
19393-01	Effluent	5-11-20	1400	1400	-29.0	-0.01	SV	NR	7.7L	526	-	X					

**\*SAMPLE MATRIX CODES**

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

Container Type

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

Relinquished By:

Date/Time

Received By:

Date/Time:

Relinquished By: Nick Russell  
 Date/Time: 5-11-20 0530  
 Received By: MGAR  
 Date/Time: 5-11-20 1515  
 Relinquished By: MGAR  
 Date/Time: 5-11-20 1800  
 Received By: [Signature]  
 Date/Time: 5/11/20 2130  
 Relinquished By: [Signature]  
 Date/Time: 5/12/20 0300  
 Received By: [Signature]  
 Date/Time: 5/12/20 0300



## APPENDIX D

# Monthly System Performance Log

## Former Brighton Cleaners

### 3140 Coney Island Ave, Brooklyn, NY

### NYSDEC BCP #C224157

Inspector's Name: \_\_\_\_\_

Inspection Time: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

YES    NO

Were any system alarms on upon arrival?

Was the system operating upon arrival?

Was the SVE Blower Intake Filter clear upon arrival?

Was the SVE Blower Intake Filter replaced during this visit?

Was the SVE Blower Dilution Filter clear upon arrival?

Was the SVE Blower Dilution Filter replaced during this visit?

Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator.

Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.

Are the groundwater and vacuum monitoring wells and ISCO wells (if applicable) properly secured?

#### System Parameters

Gauge	Reading	Units
VI-701		" W.C.
FI-701		CFM
VI-MS		" W.C.
VI-703		" W.C.
TI-701		°F
PI-701		" W.C.
PI-702		" W.C.
Hours		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)												

## 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: \_\_\_\_\_

---

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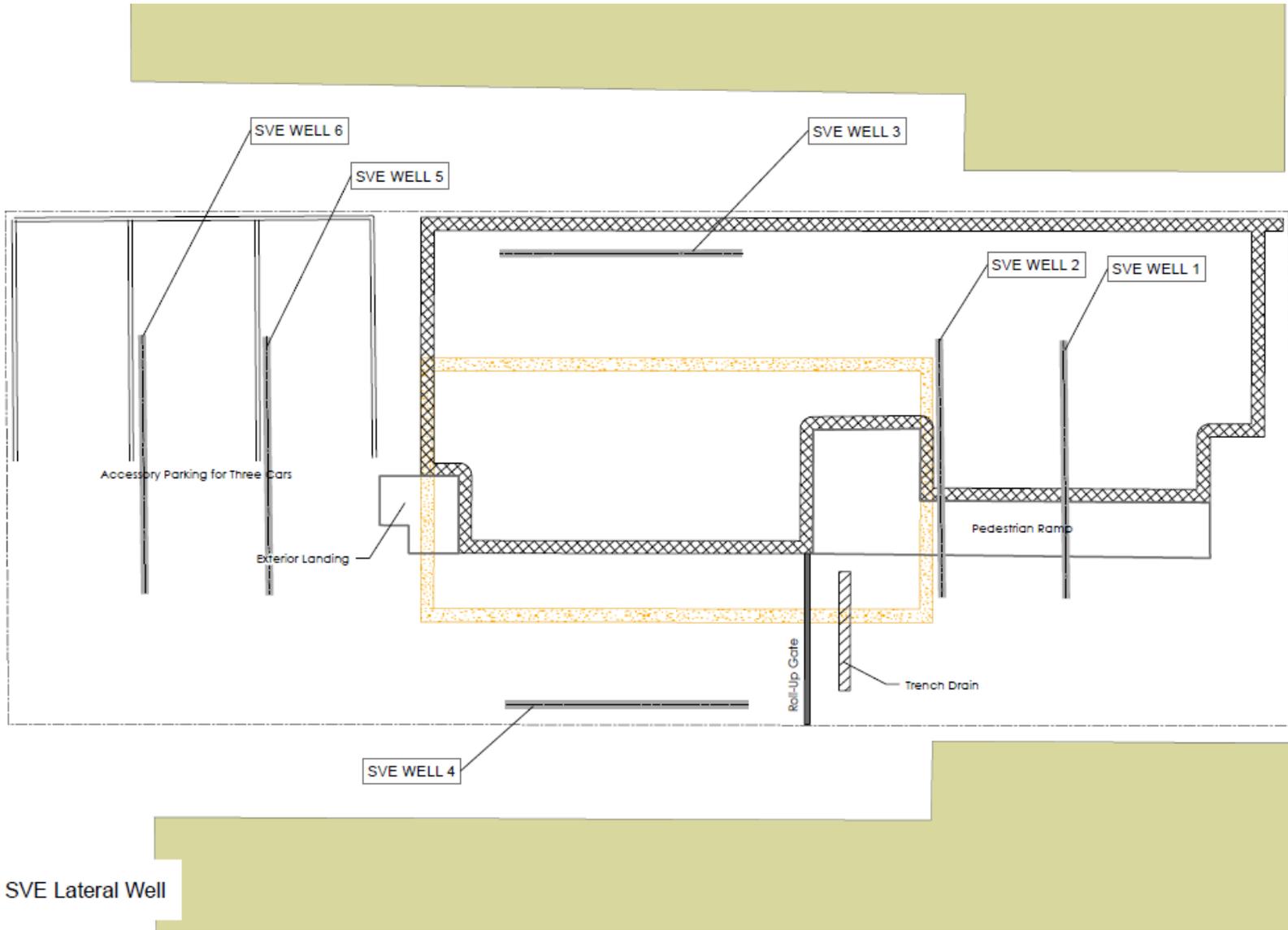
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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

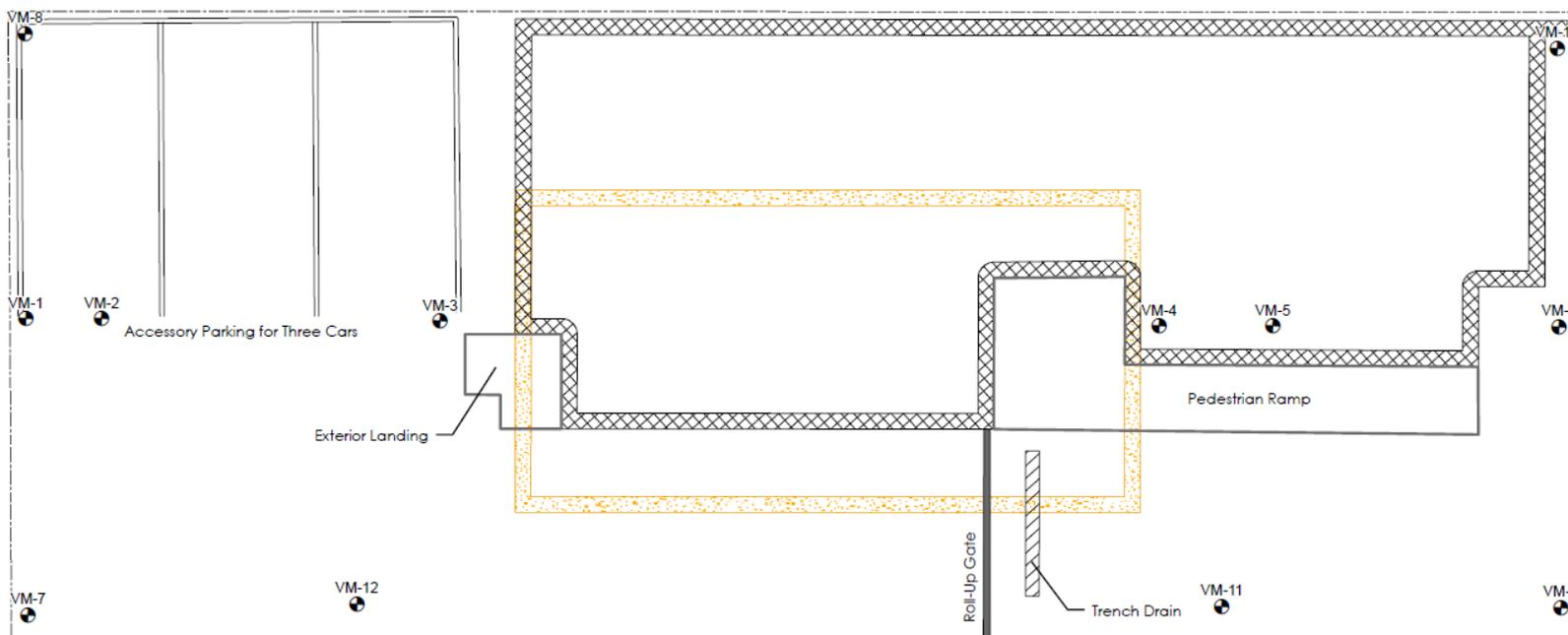


# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



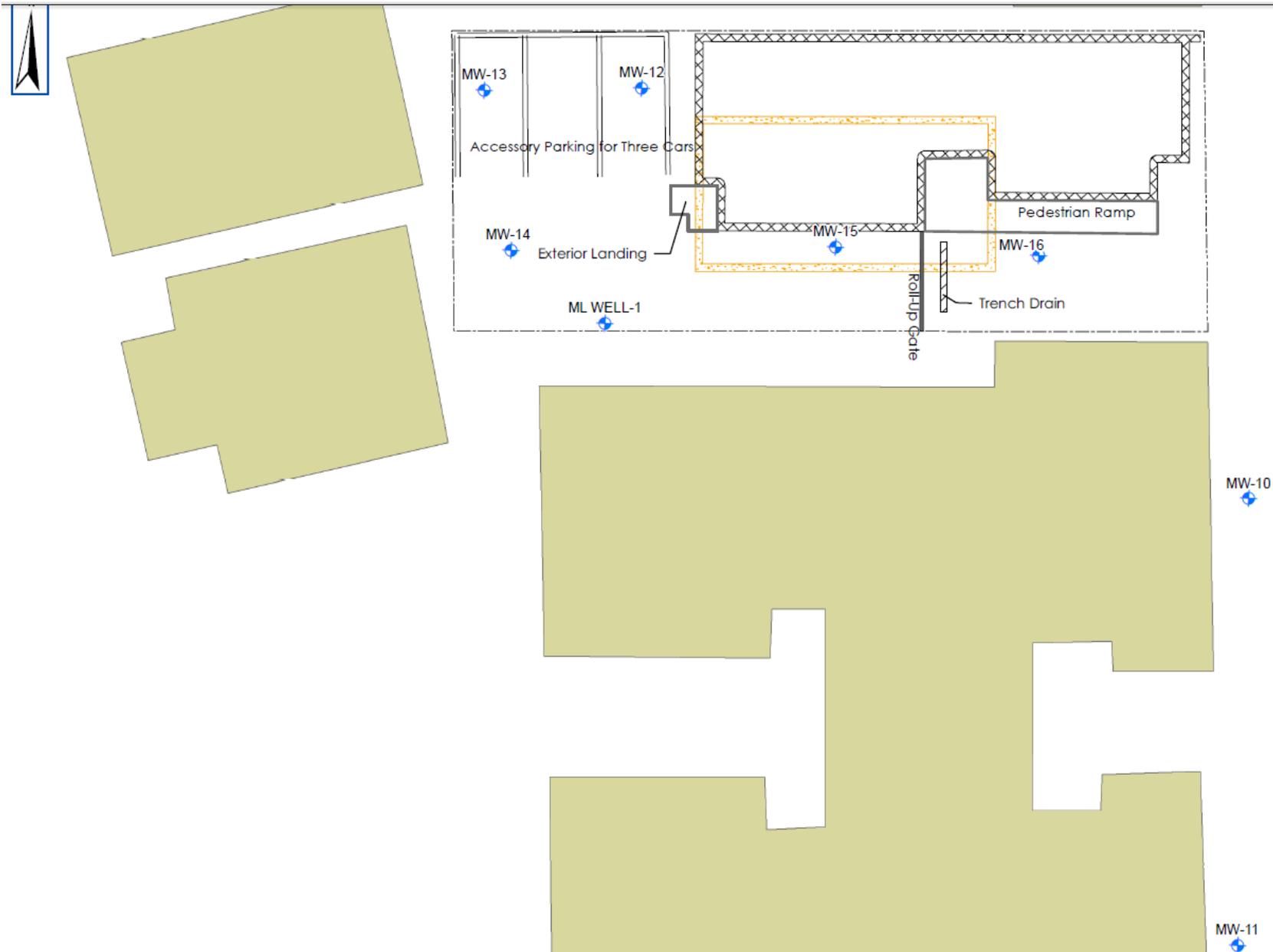
● Vacuum Monitoring Point

# 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: 12:00

Inspection Date: 05/02/2019

Weather Conditions: Sunny, 70 F

YES      NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	82	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	29440.8	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)	-.045	-.043	-.036	-.047	-.065	-.148	-.033	-.044	-.095	-.086	-.022	-.023

## 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: \_\_\_\_\_

---

---

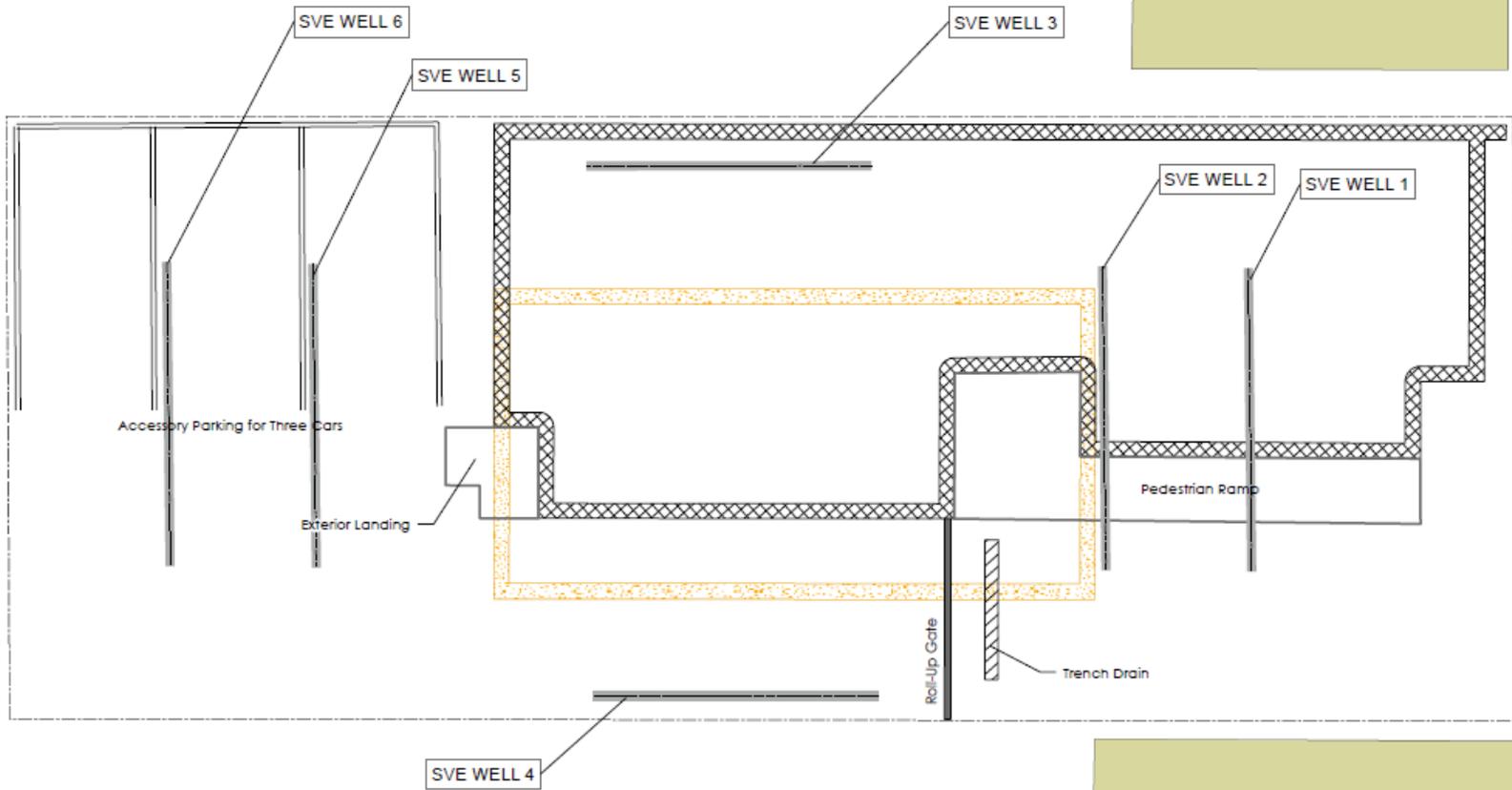
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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



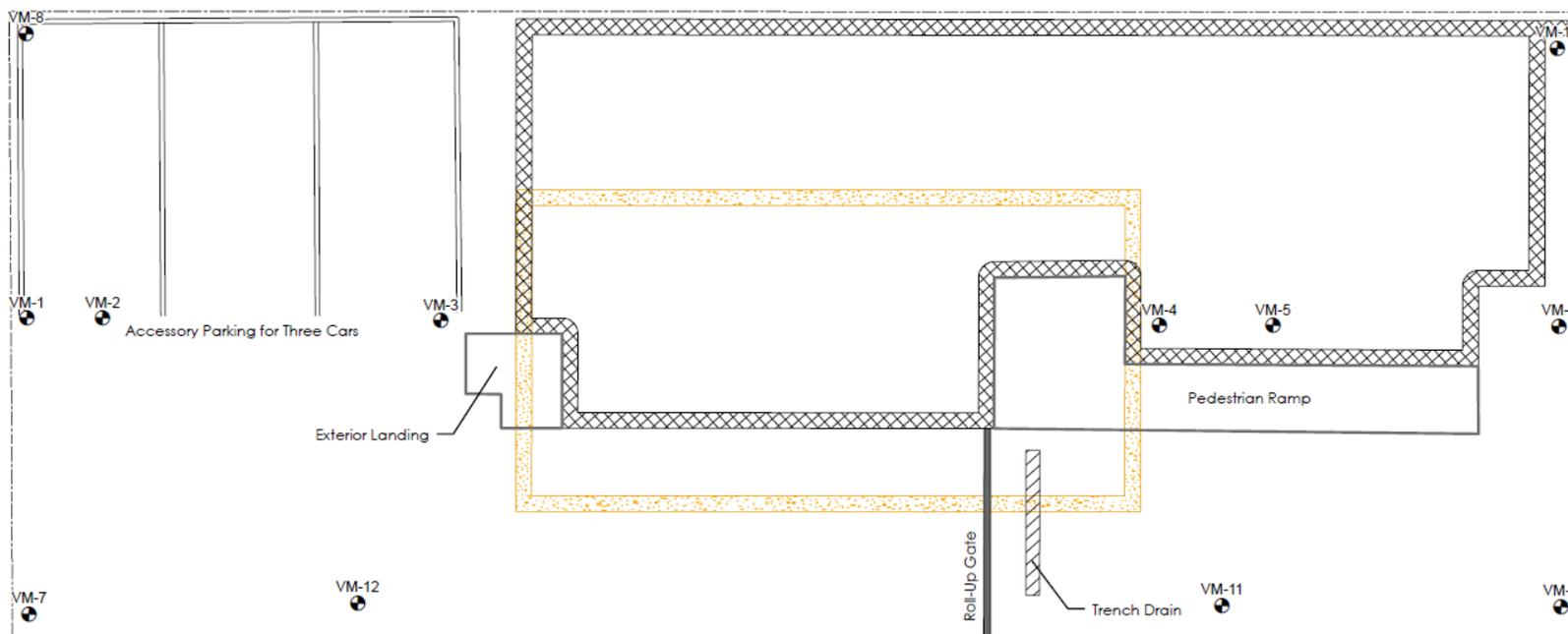
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



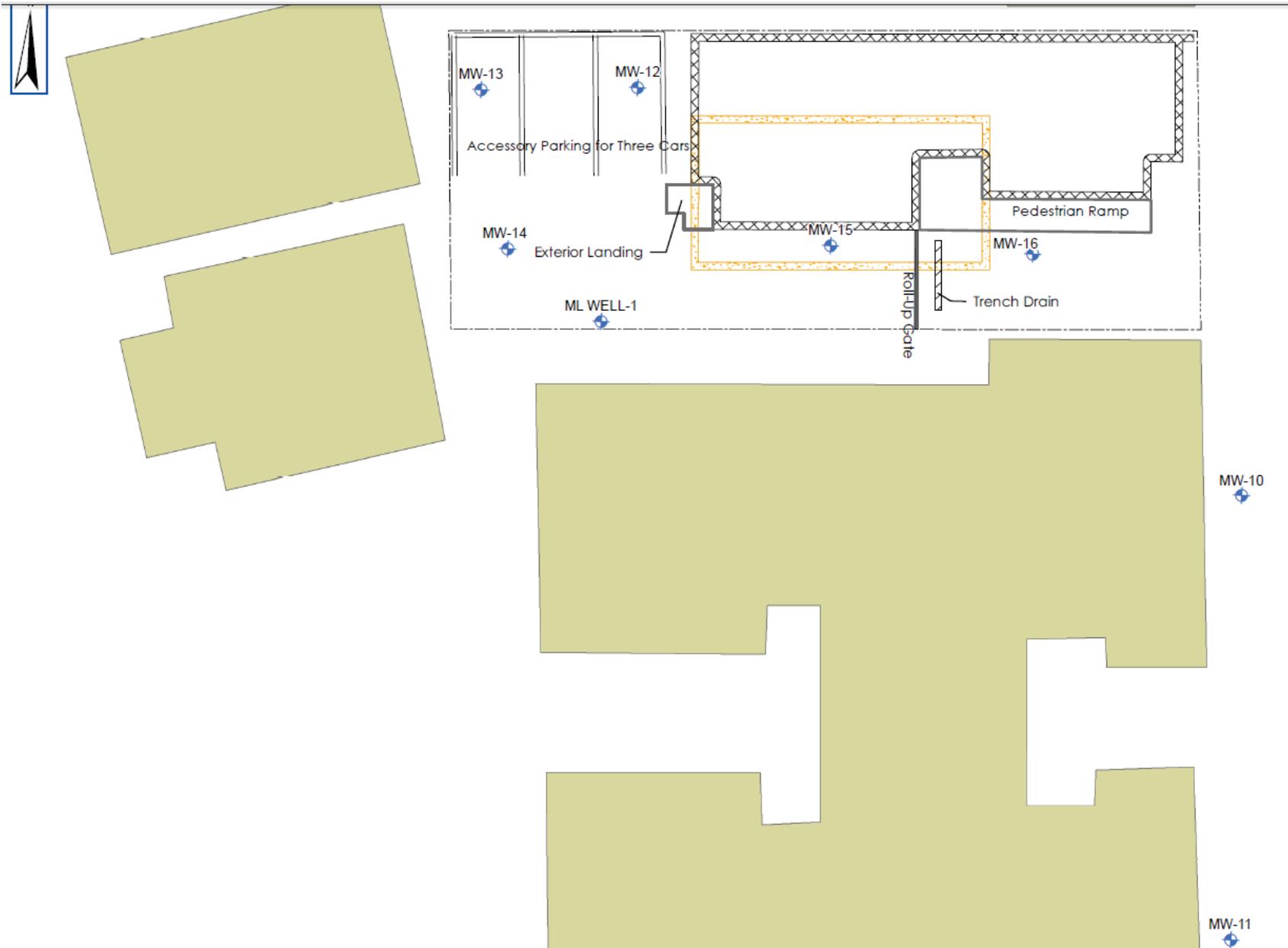
☉ Vacuum Monitoring Point

# 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: 14:30

Inspection Date: 06/04/2019

Weather Conditions: Sunny, 75 F

YES NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	92	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	30234.3	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)	-0.033	-0.037	-0.047	-0.051	-0.054	-0.113	-0.036	-0.034	-0.076	-0.072	-0.021	-0.024

## 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: \_\_\_\_\_

---

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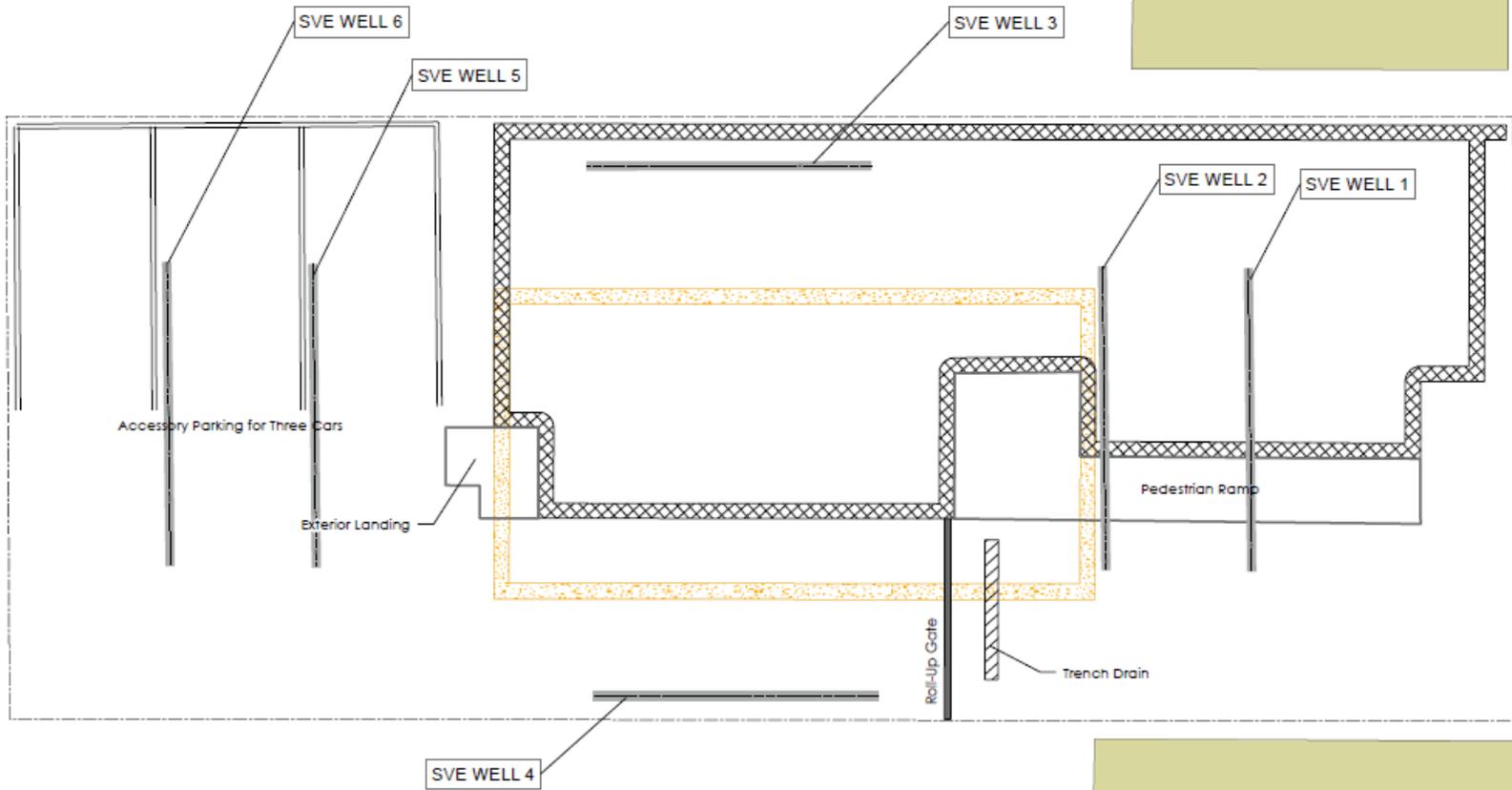
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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



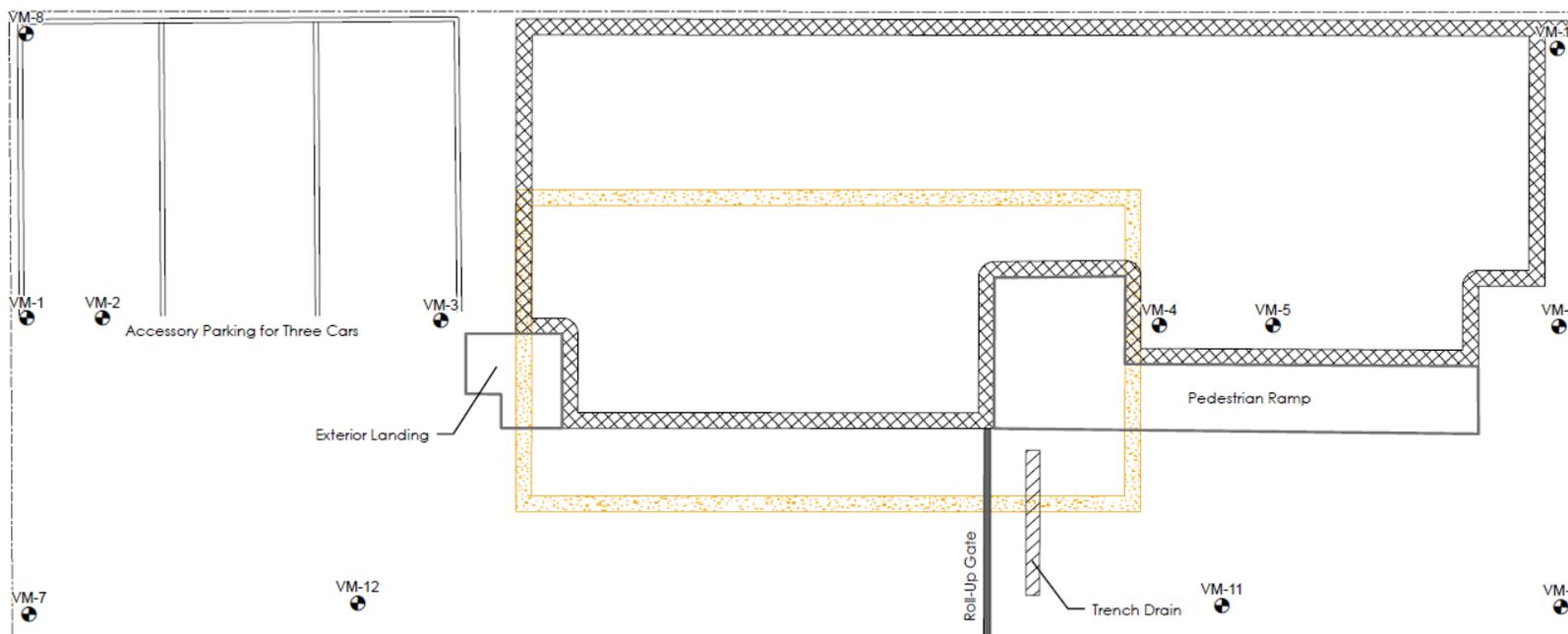
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



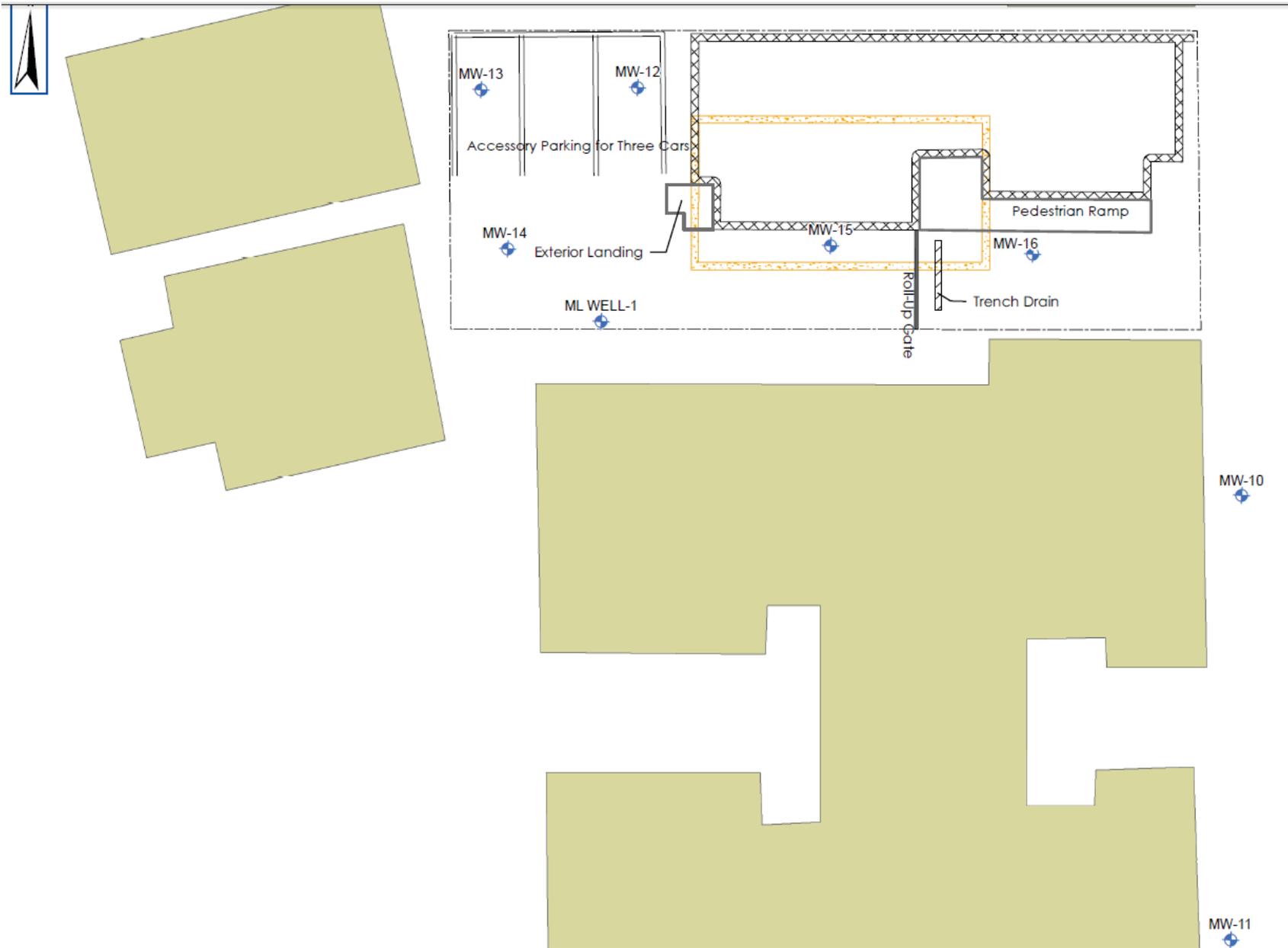
☒ Vacuum Monitoring Point

# 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: 12:30

Inspection Date: 07/01/2019

Weather Conditions: Sunny, 85 F

YES      NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	39	" W.C.
TI-701	98	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	30881.3	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)	-0.047	-0.051	-0.030	-0.093	-0.077	-0.095	-0.036	-0.029	-0.056	-0.038	-0.020	-0.021

## 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.

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Comments: \_\_\_\_\_

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Items to be Addressed / Fixed: \_\_\_\_\_

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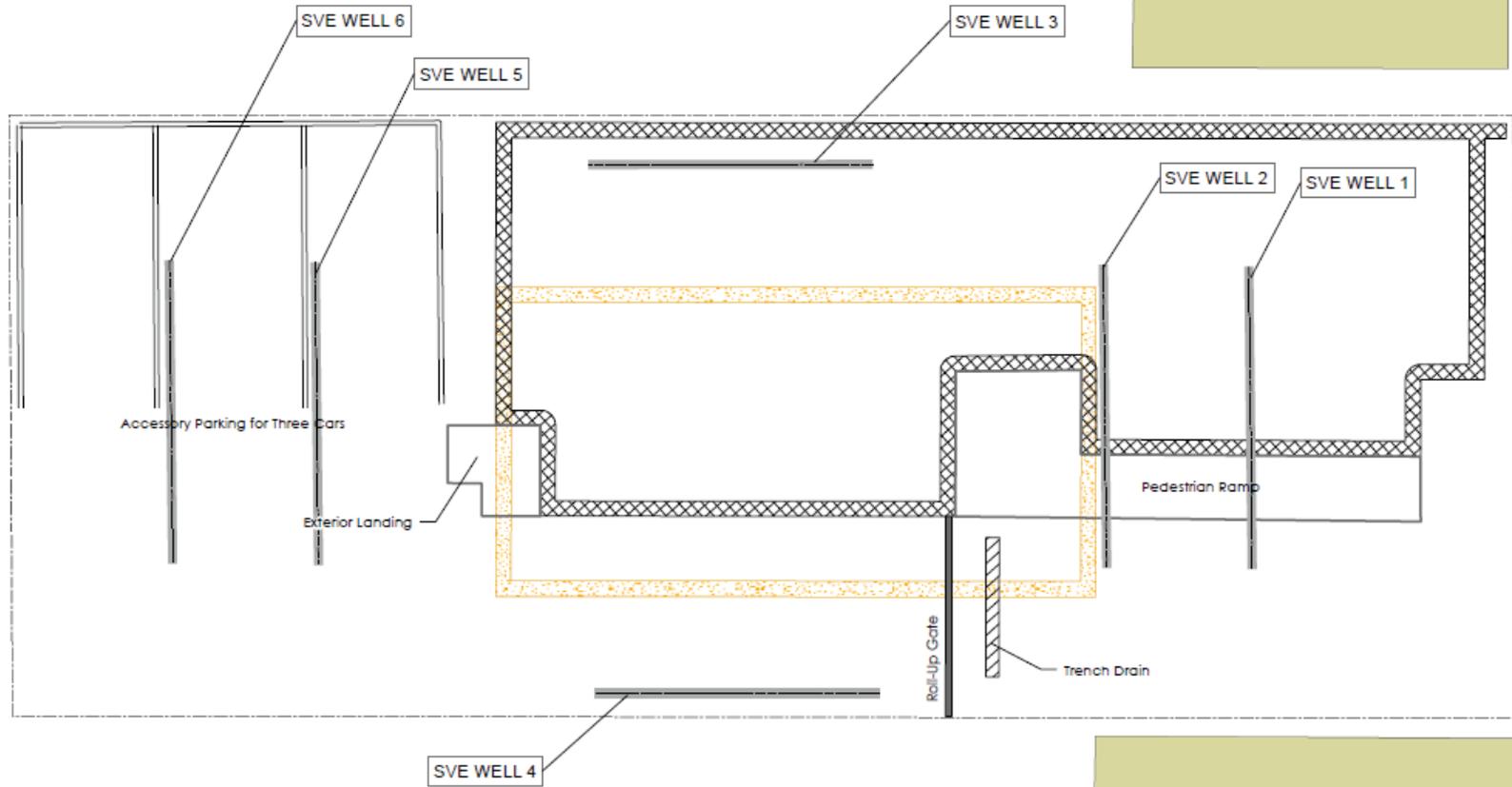
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# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



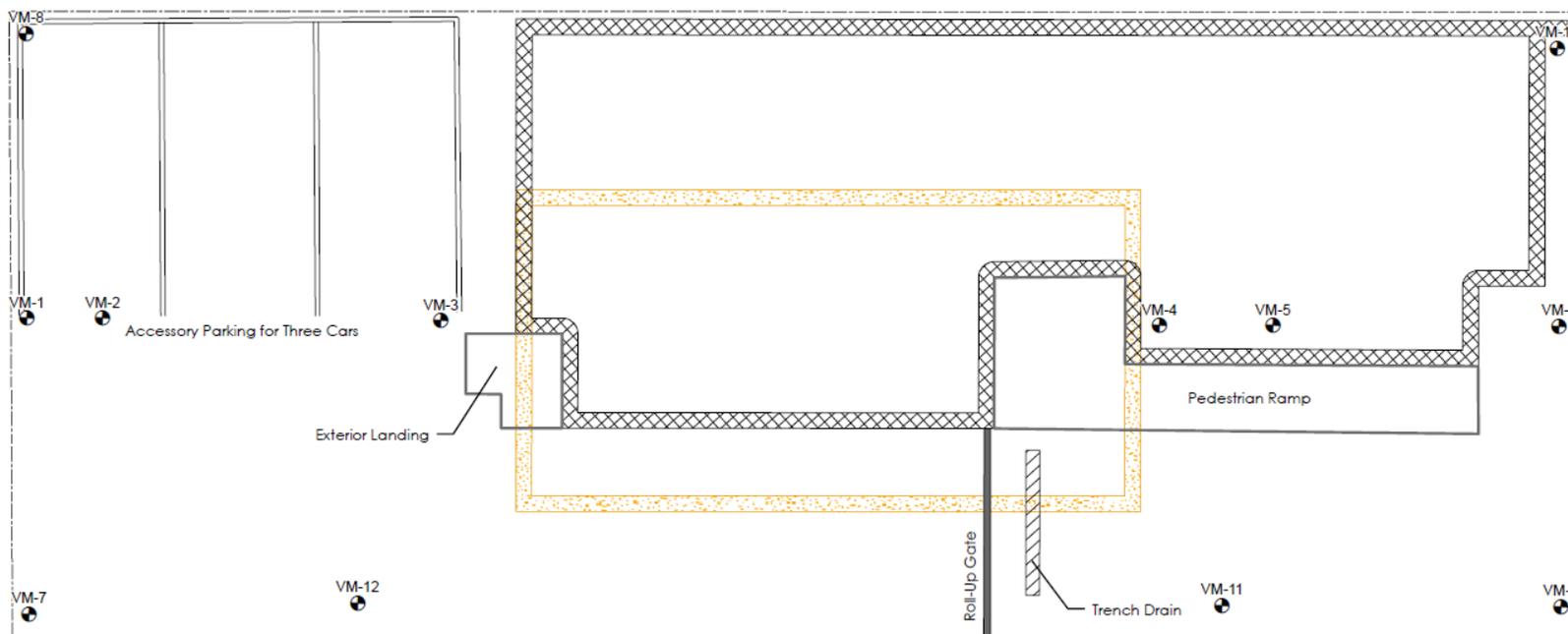
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



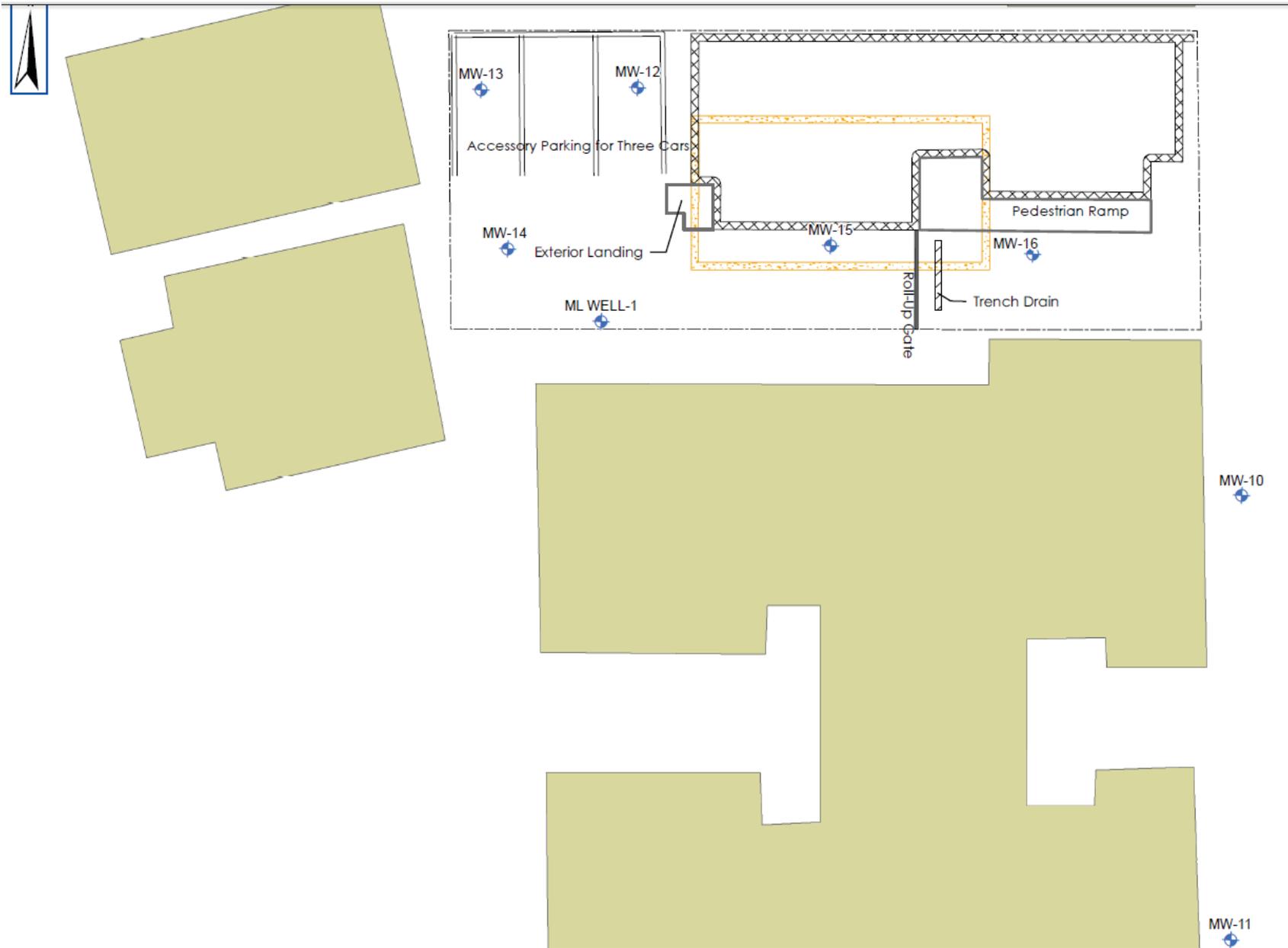
● Vacuum Monitoring Point

# 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: 12:00

Inspection Date: 08/01/2019

Weather Conditions: Sunny, 80 F

YES      NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	39	" W.C.
TI-701	104	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	31615.7	Hours

#### Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
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)	-0.036	-0.032	-0.052	-0.054	-0.045	-0.092	-0.041	-0.036	-0.068	-0.070	-0.020	-0.021

## 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.

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Comments: \_\_\_\_\_

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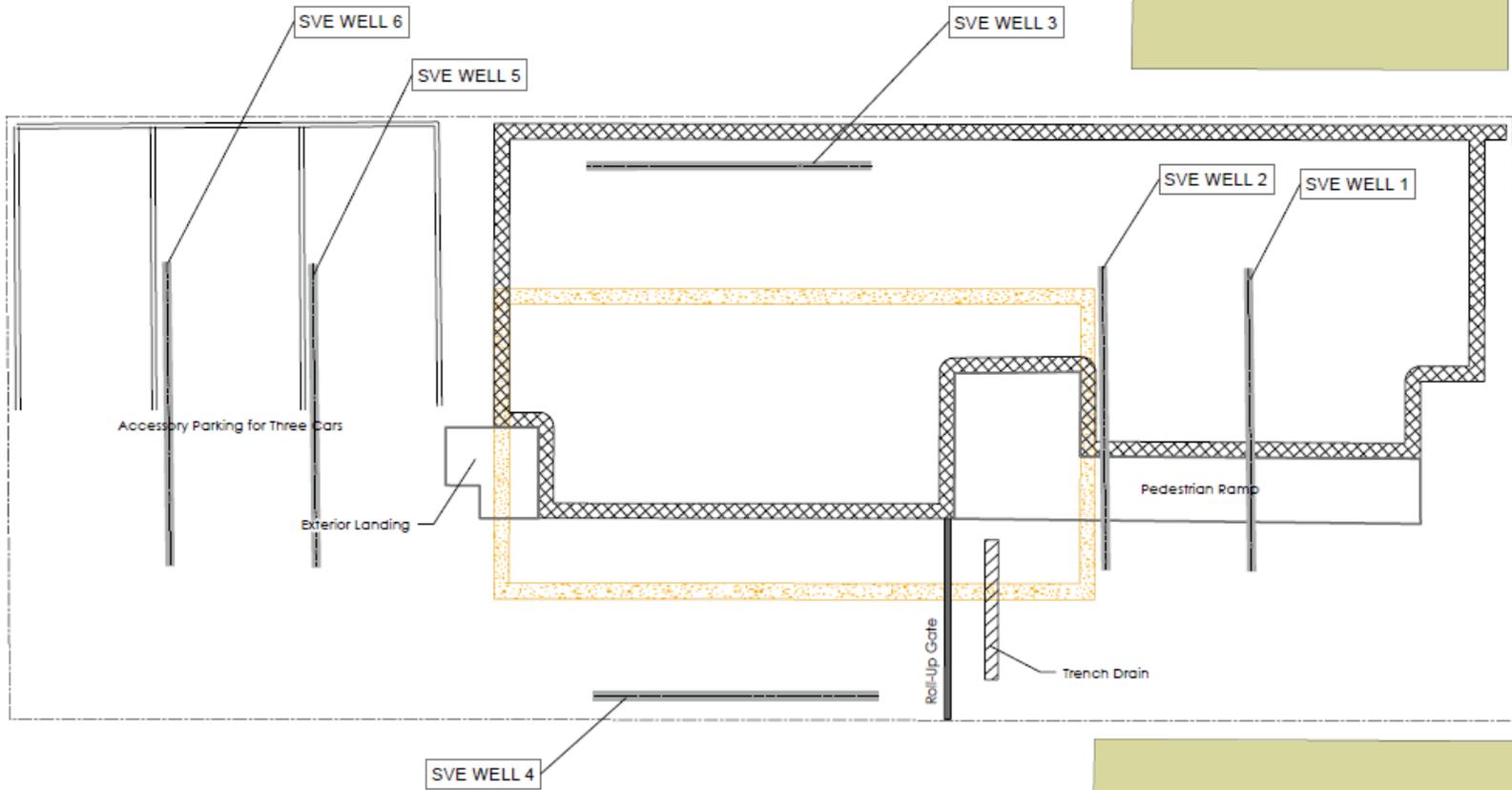
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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



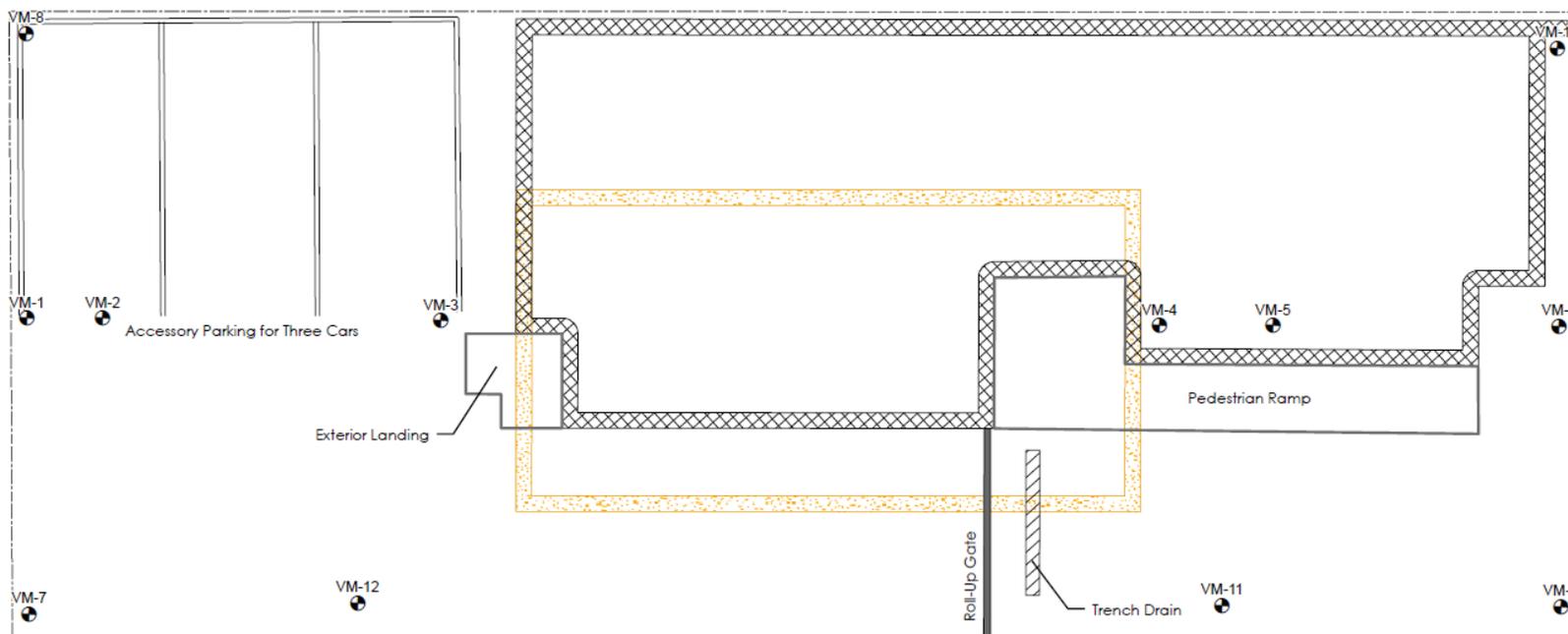
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



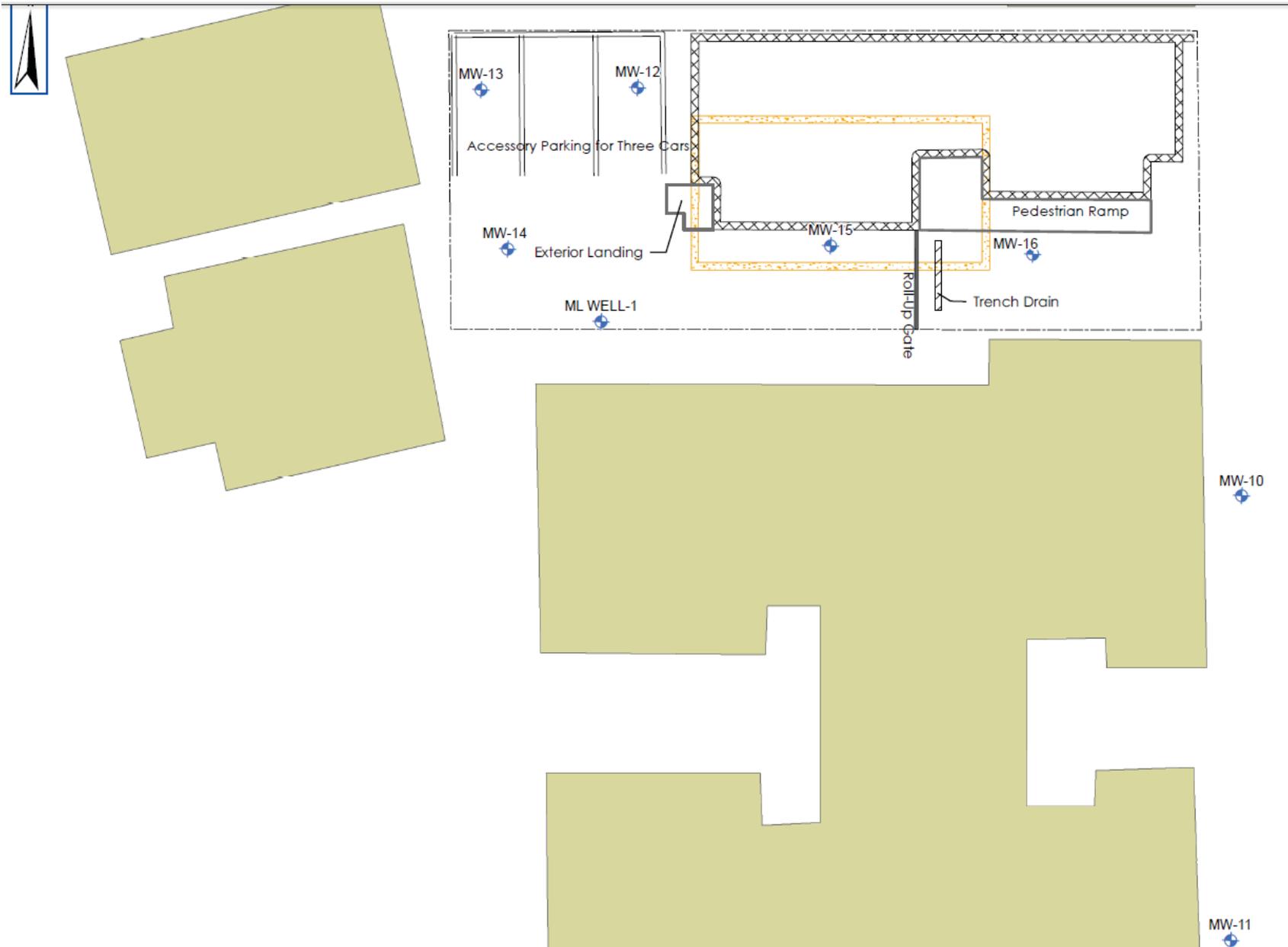
⊕ Vacuum Monitoring Point

# 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: 13:30

Inspection Date: 09/16/2019

Weather Conditions: Sunny, 70 F

YES      NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	40	" W.C.
TI-701	94	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	32721.2	Hours

#### Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
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)	-0.037	-0.042	-0.050	-0.058	-0.047	-0.052	-0.038	-0.032	-0.072	-0.048	-0.009	-0.012

## Vapor Sample Information

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

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

\_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

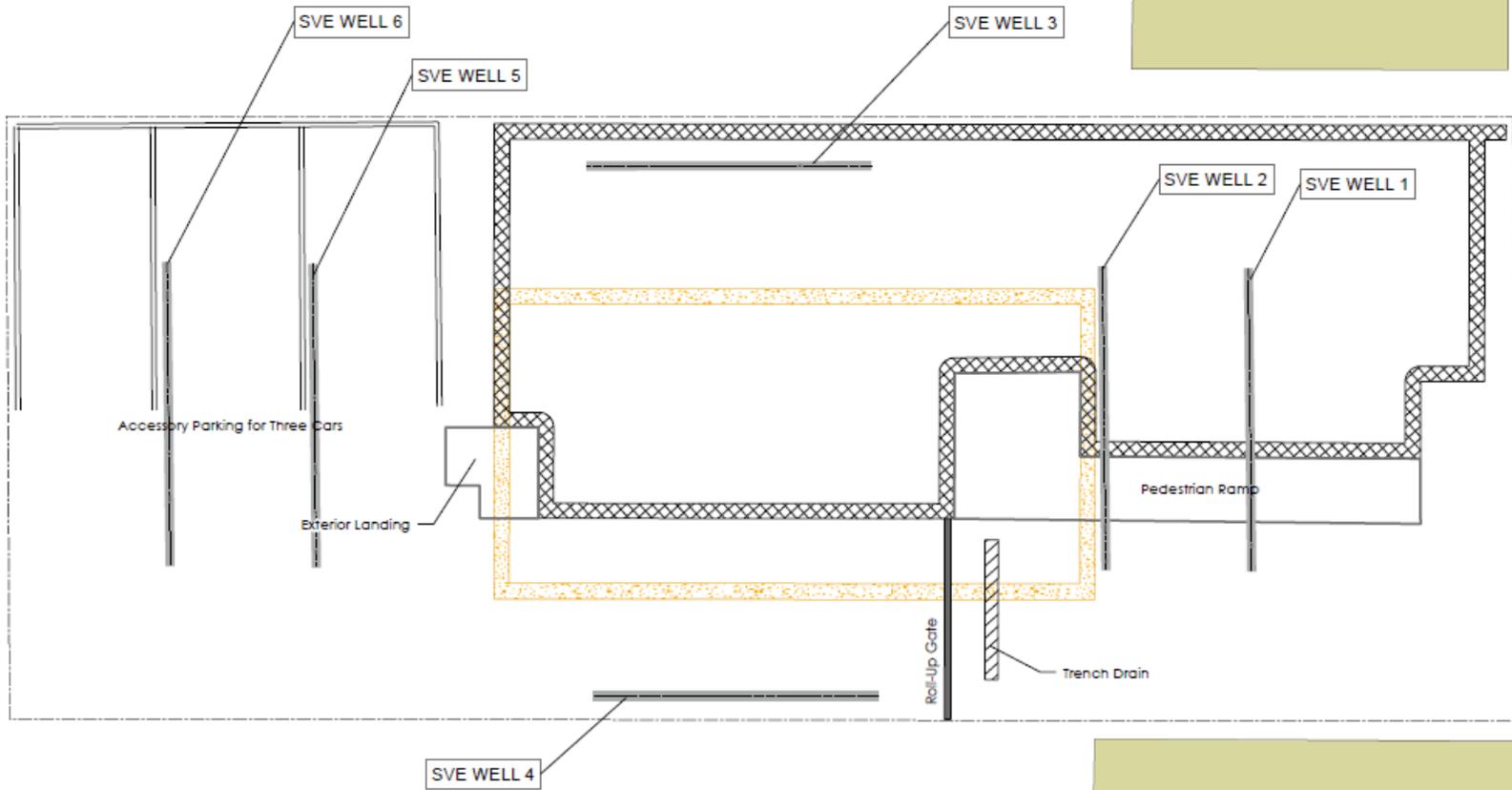
Items to be Addressed / Fixed: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Monthly System Performance Log

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



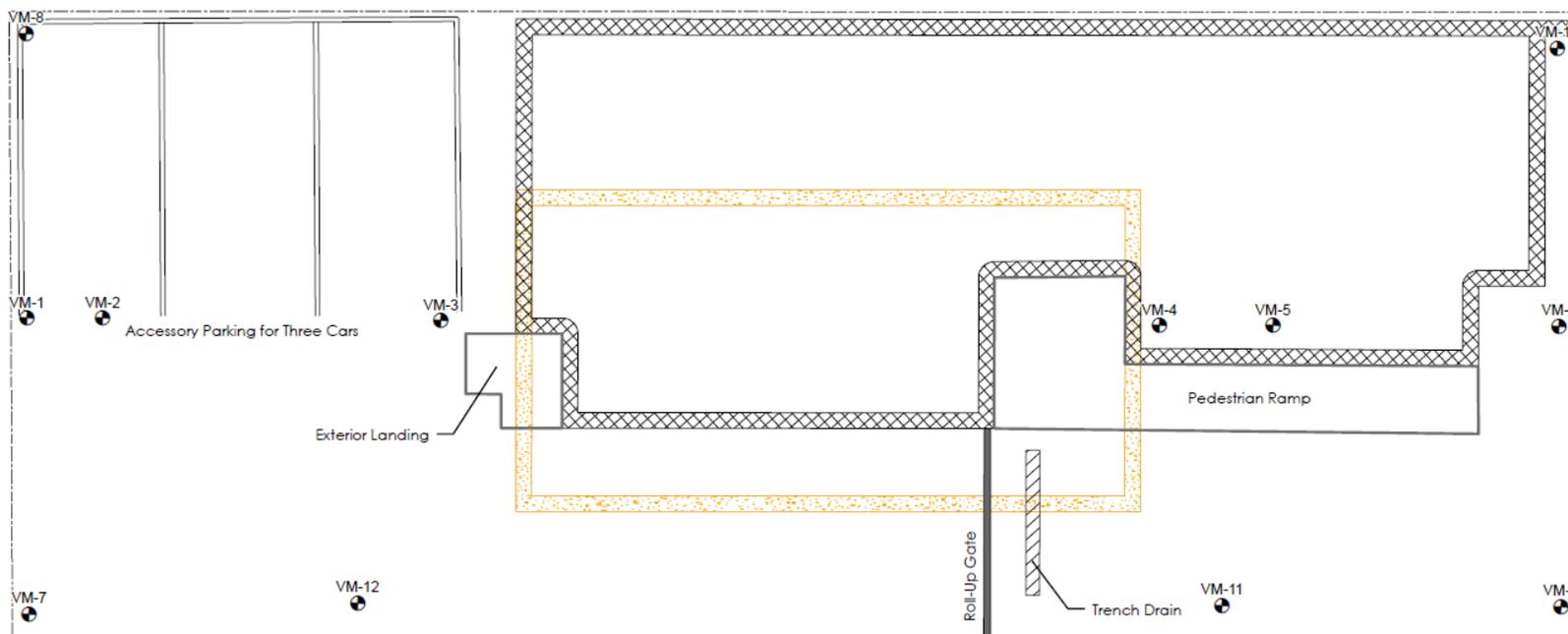
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



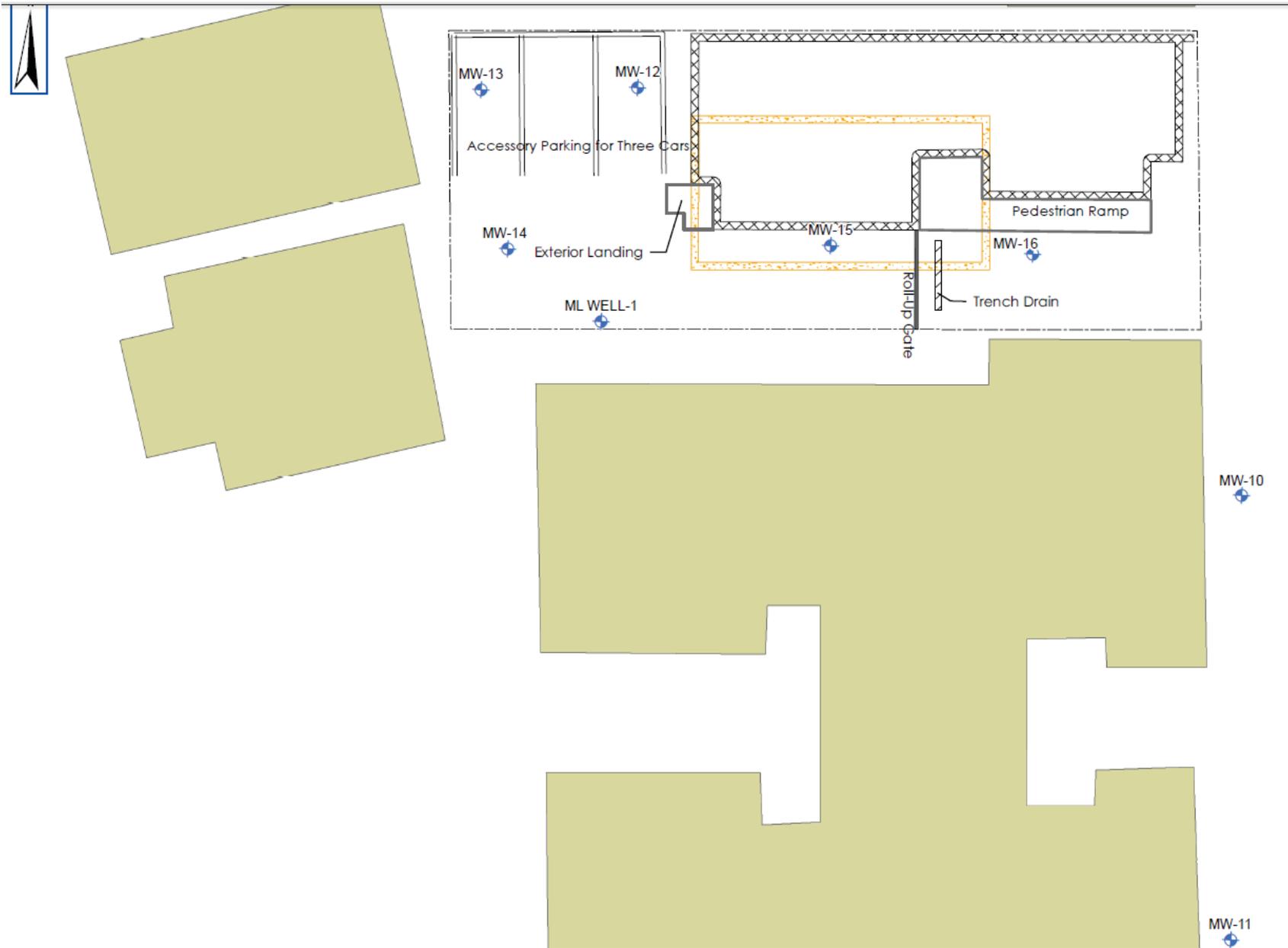
☉ Vacuum Monitoring Point

# 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: 12:00

Inspection Date: 10/01/2019

Weather Conditions: Sunny, 73 F

YES      NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	39	" W.C.
TI-701	97	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	33079.9	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)	-0.030	-0.032	-0.029	-0.032	-0.038	-0.122	-0.018	-0.030	-0.060	-0.021	-0.002	-0.012

## Vapor Sample Information

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

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

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Comments: \_\_\_\_\_

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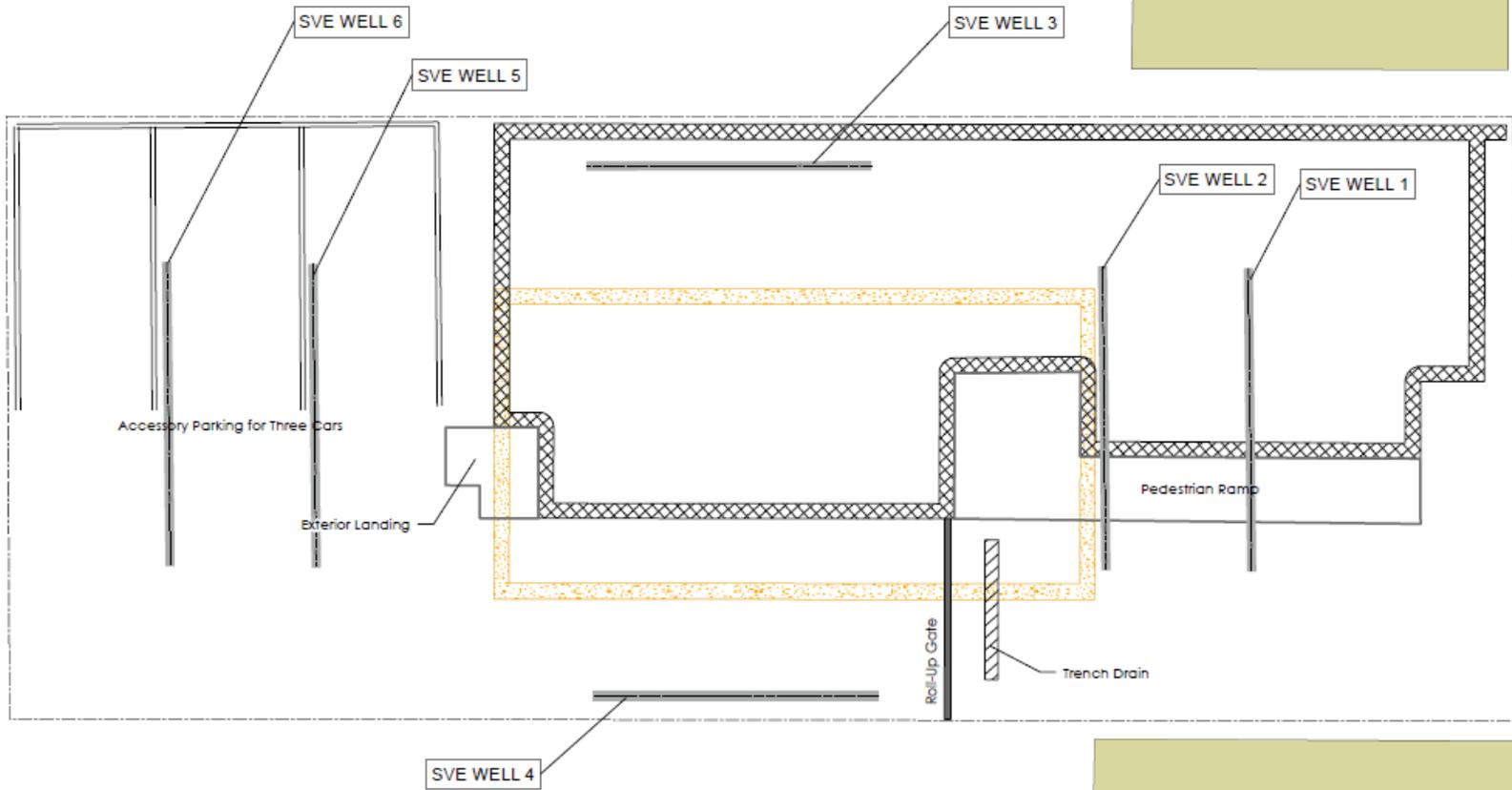
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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



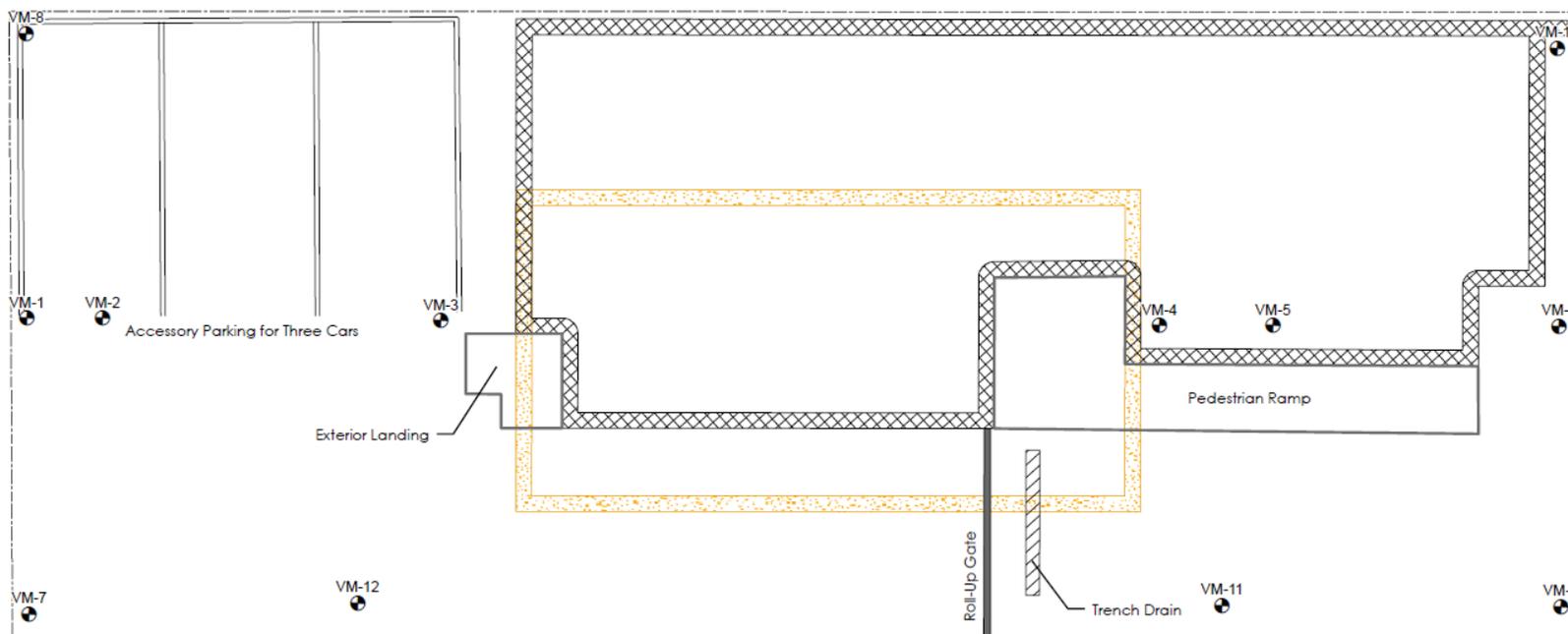
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



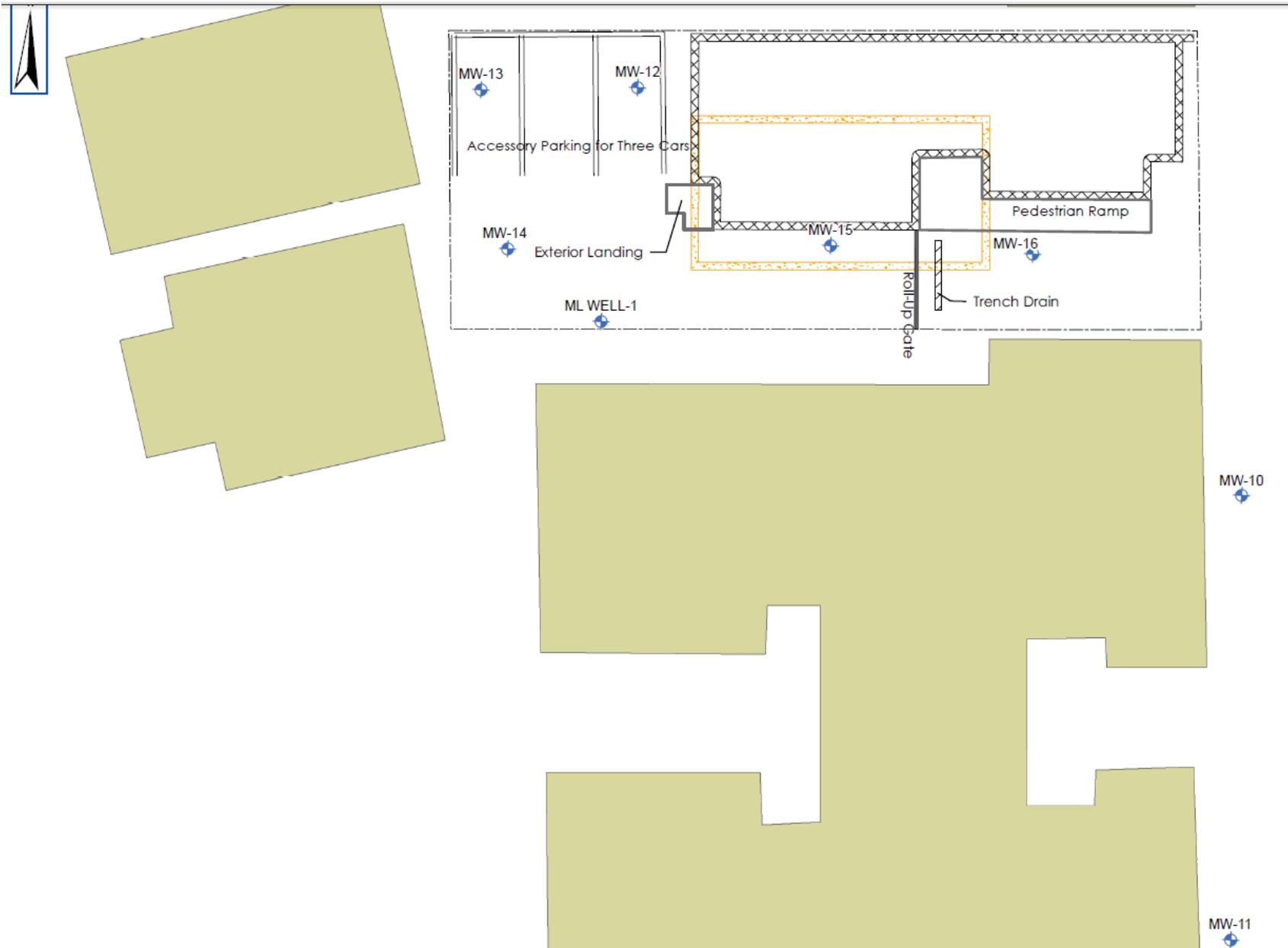
⊕ Vacuum Monitoring Point

# 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: Kaitlyn Crosby

Inspection Time: 09:00

Inspection Date: 11/14/2019

Weather Conditions: 40F, Sunny

YES NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	NA	CFM
VI-MS	32	" W.C.
VI-703	42	" W.C.
TI-701	75	°F
PI-701	5	" W.C.
PI-702	NA	" W.C.
Hours	34134.6	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)	-0.026	-0.025	-0.030	-0.053	-0.058	-0.134	-0.016	-0.021	-0.067	-0.021	-0.009	-0.026

## 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.

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Comments: \_\_\_\_\_

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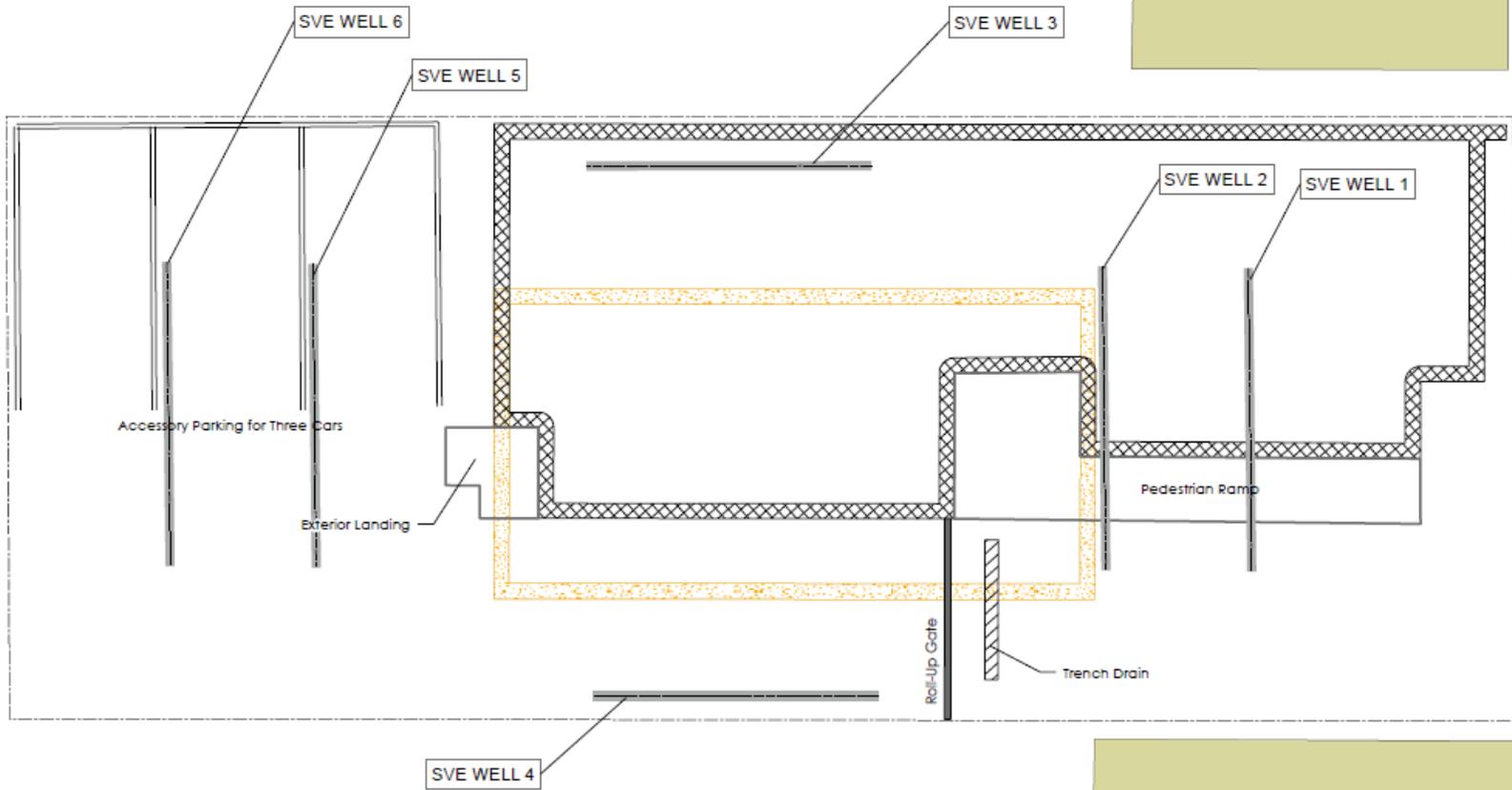
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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



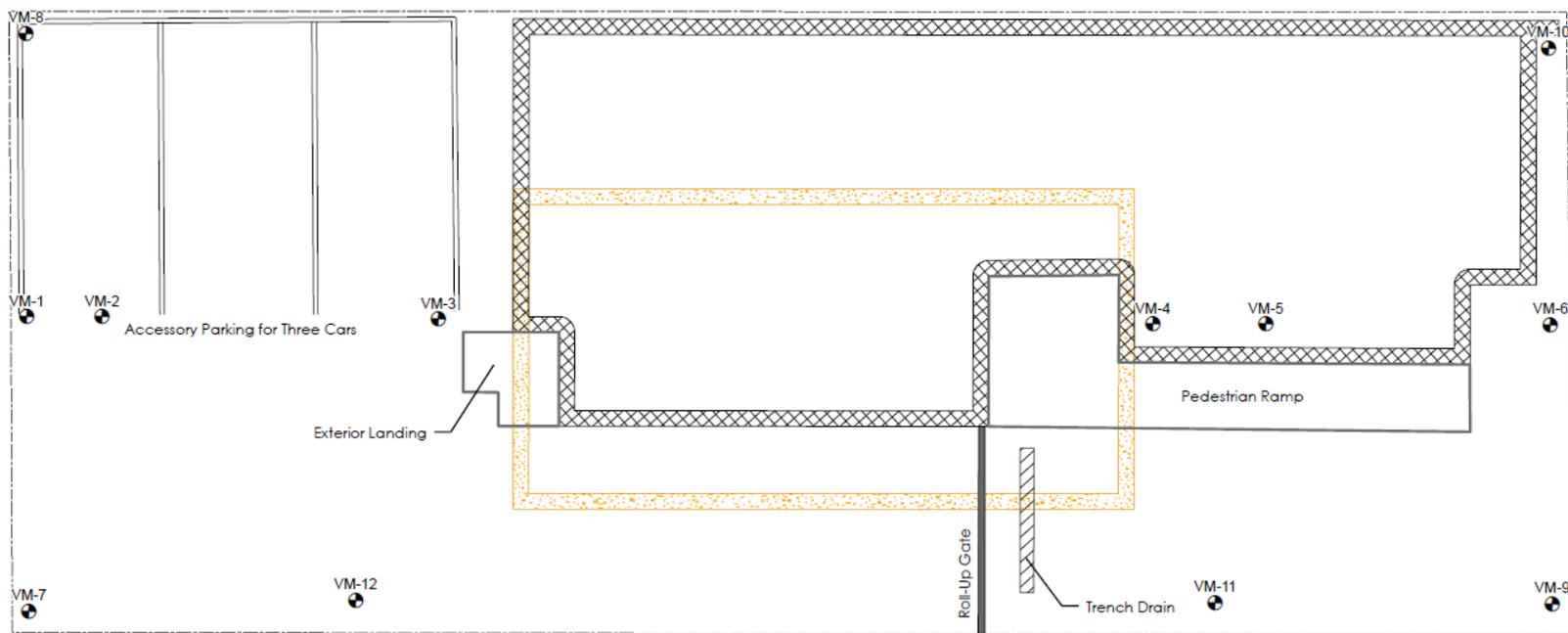
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



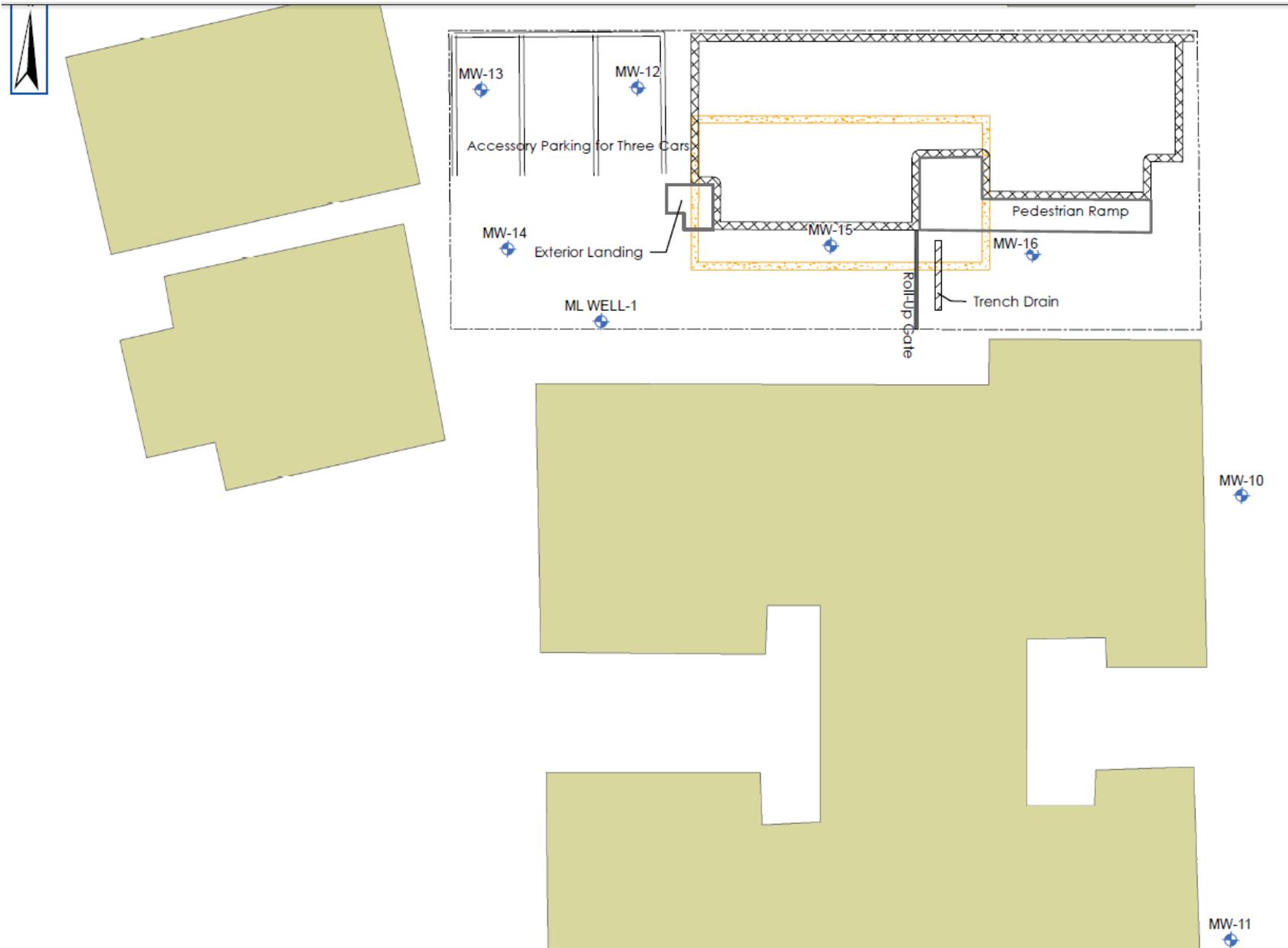
☉ Vacuum Monitoring Point

# 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: 12:00

Inspection Date: 12/05/2019

Weather Conditions: 38 F, Partly Cloudy

YES NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	NA	CFM
VI-MS	32	" W.C.
VI-703	39	" W.C.
TI-701	68	°F
PI-701	5	" W.C.
PI-702	NA	" W.C.
Hours	34639.9	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)	-0.042	-0.049	-0.056	-0.053	-0.068	-0.203	-0.021	-0.046	-0.044	-0.023	-0.008	-0.012

## Vapor Sample Information

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

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

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Comments: \_\_\_\_\_

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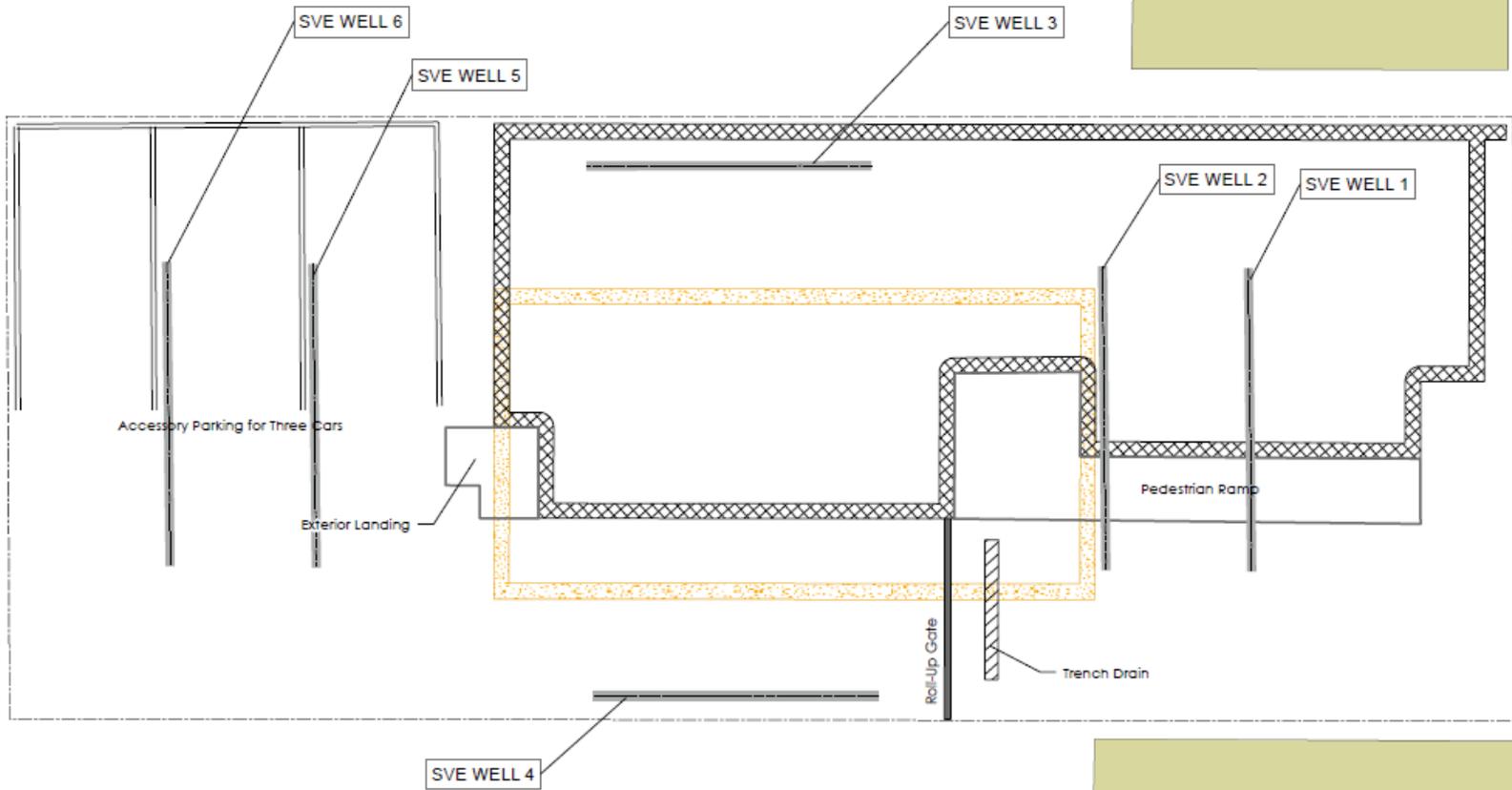
Items to be Addressed / Fixed: \_\_\_\_\_

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# Monthly System Performance Log

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



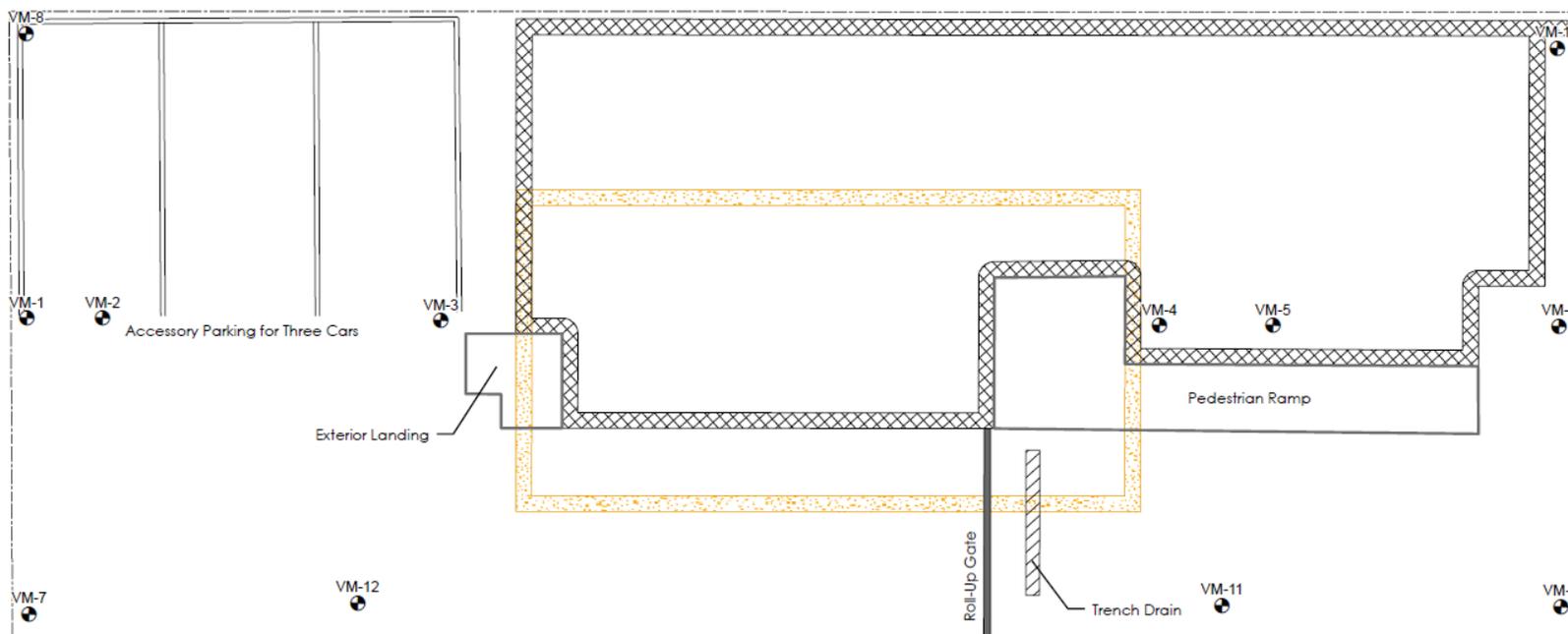
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



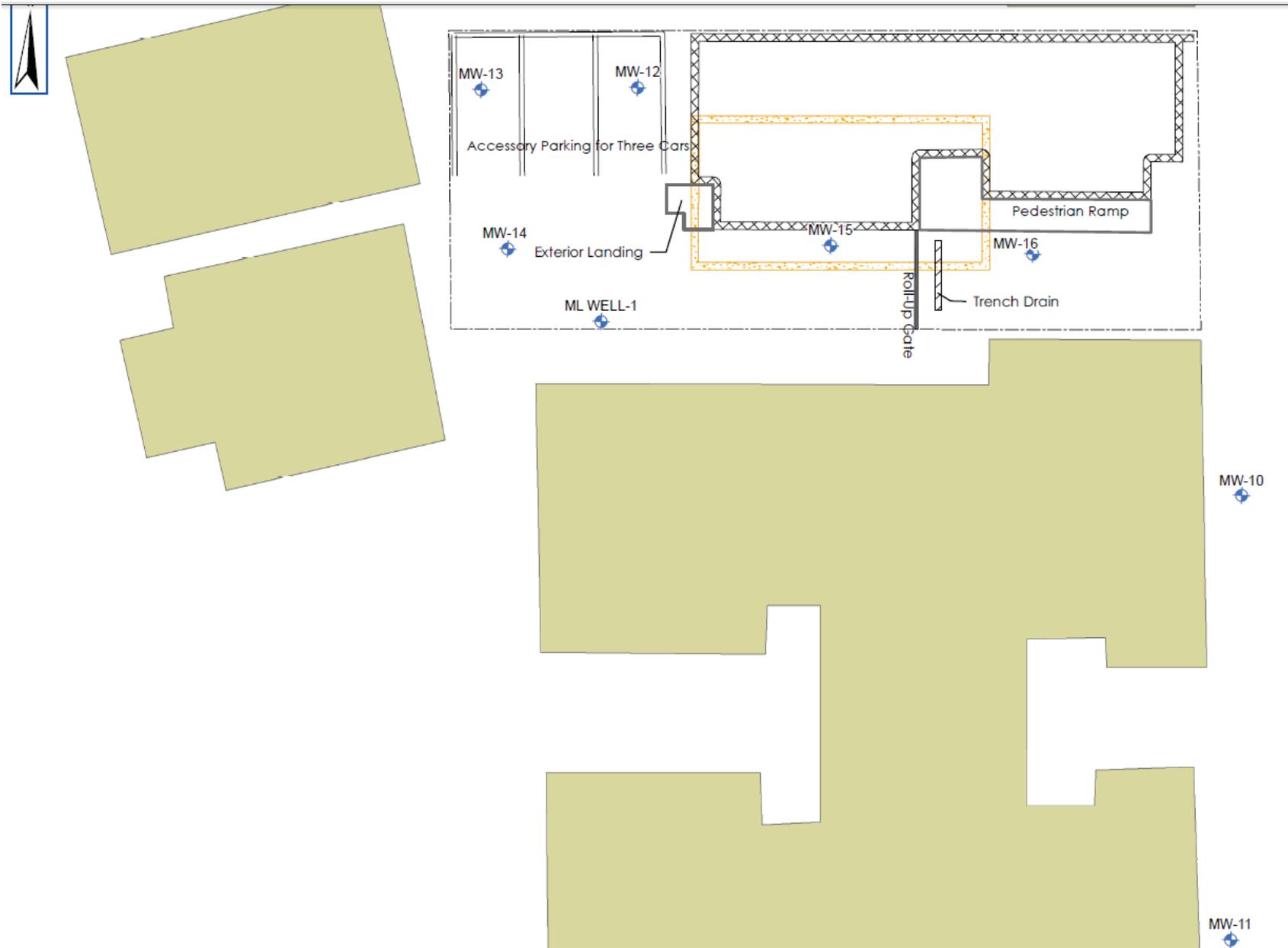
☉ Vacuum Monitoring Point

# 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: 12:00

Inspection Date: 05/11/2020

Weather Conditions: Partly Cloudy, 60 F

YES      NO

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were any system alarms on upon arrival?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the system operating upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Intake Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Was the SVE Blower Dilution Filter clear upon arrival?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Was the SVE Blower Dilution Filter replaced during this visit?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Is the moisture separator high level alarm float free of dirt and debris? Drain liquids within the moisture separator. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Are any switches in Hand Mode? Operating in hand mode is for testing purposes only.                                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 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	41	" W.C.
TI-701	88	°F
PI-701	0	" W.C.
PI-702	N/A	" W.C.
Hours	38430.2	Hours

#### Groundwater Monitoring

Well	DTP (ft)	DTW (ft)	DTB (ft)
MW-10			
MW-11			
MW-12			
MW-13			
MW-14			
MW-15			
MW-16			
ML-Well1 (15-20')			
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)	-0.019	-0.020	-0.044	-0.048	-0.052	-0.049	-0.032	-0.036	-0.202	-0.030	-0.002	-0.016

## 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.

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Comments: \_\_\_\_\_

---

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Items to be Addressed / Fixed: \_\_\_\_\_

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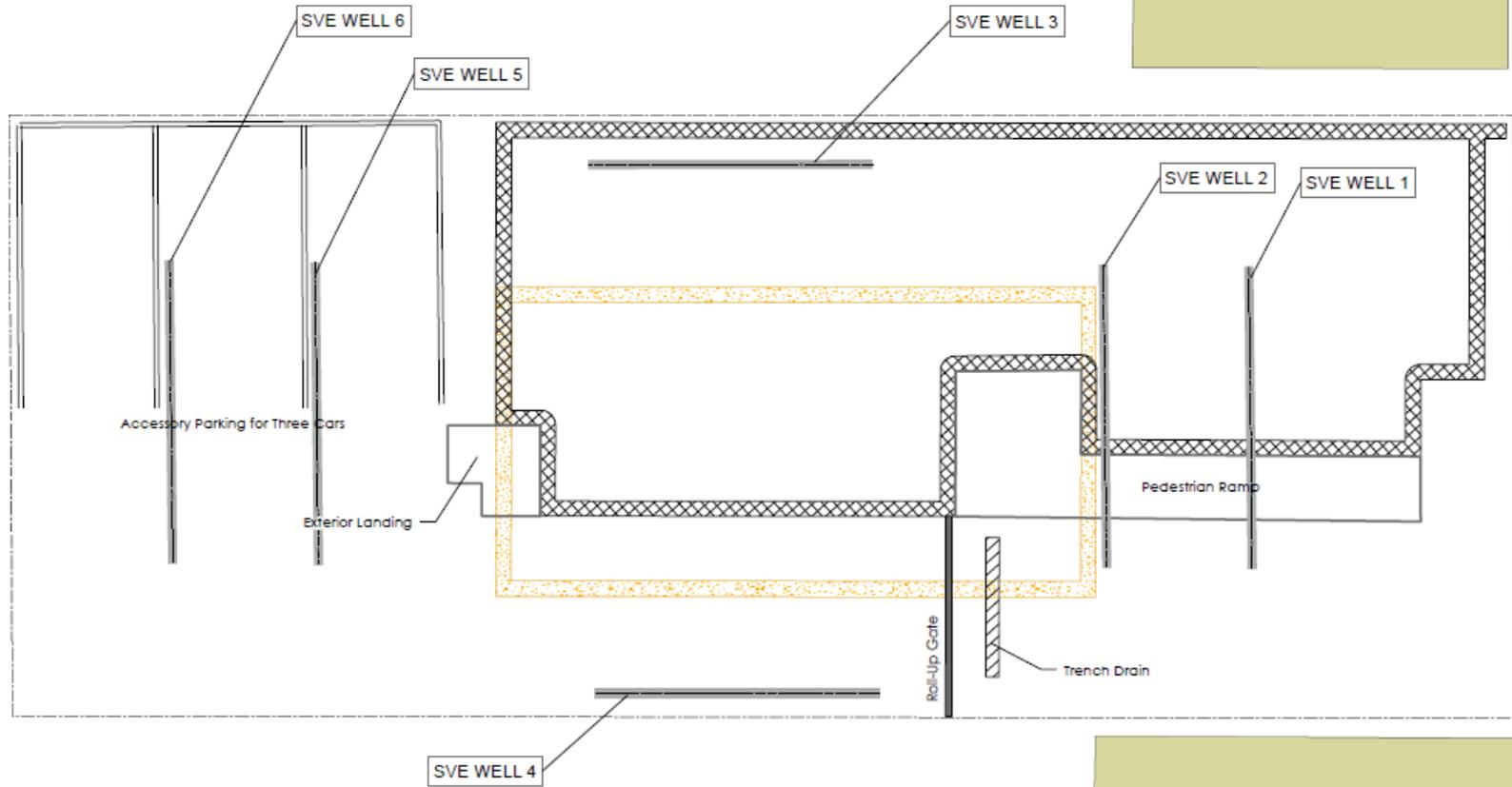
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# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



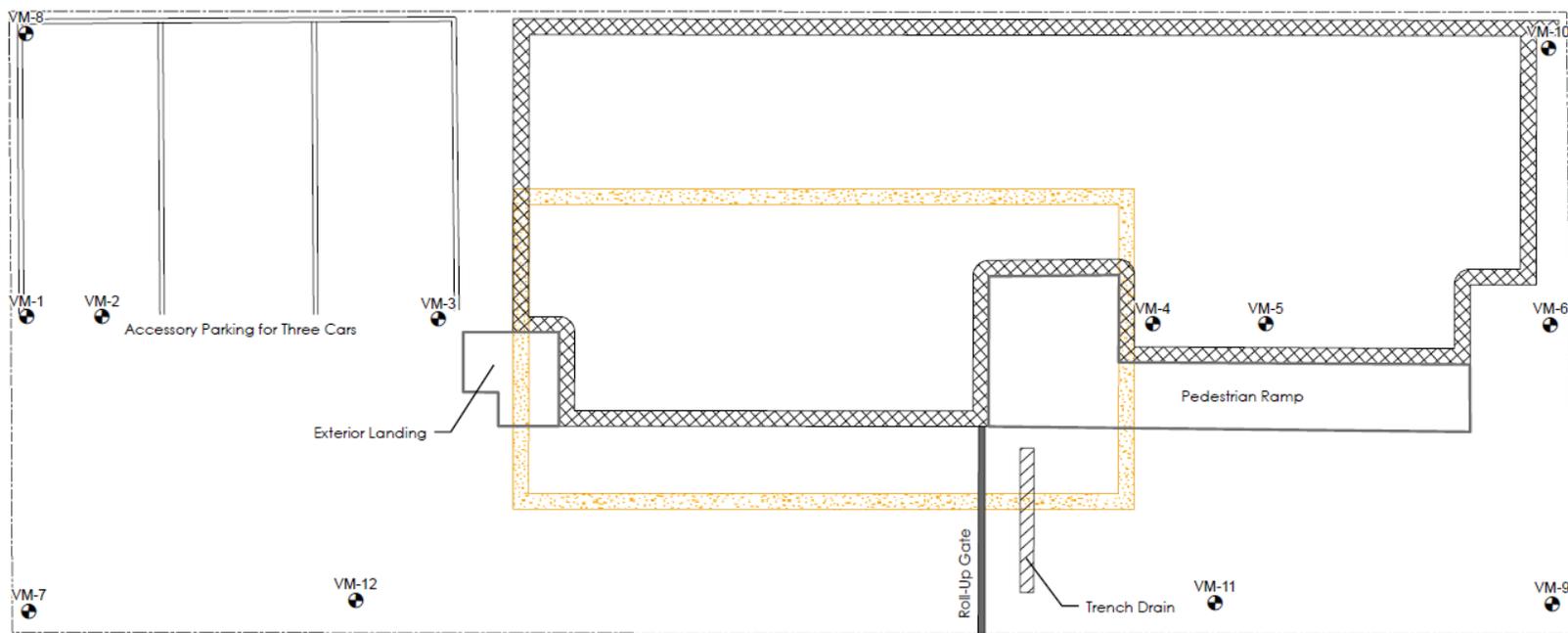
— SVE Lateral Well

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

NYSDEC BCP #C224157



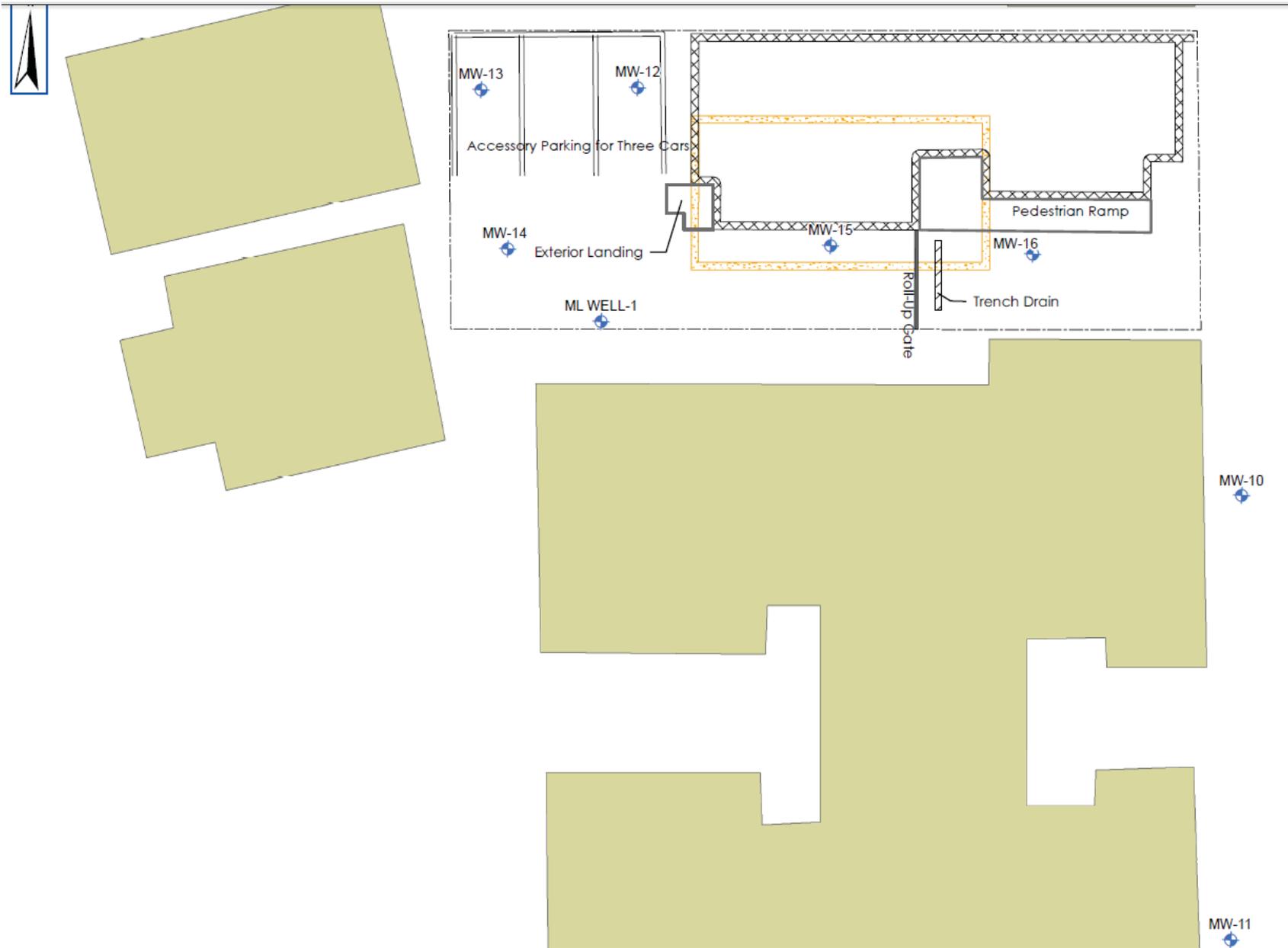
☉ Vacuum Monitoring Point

# Monthly System Performance Log

Former Brighton Cleaners

3140 Coney Island Ave, Brooklyn, NY

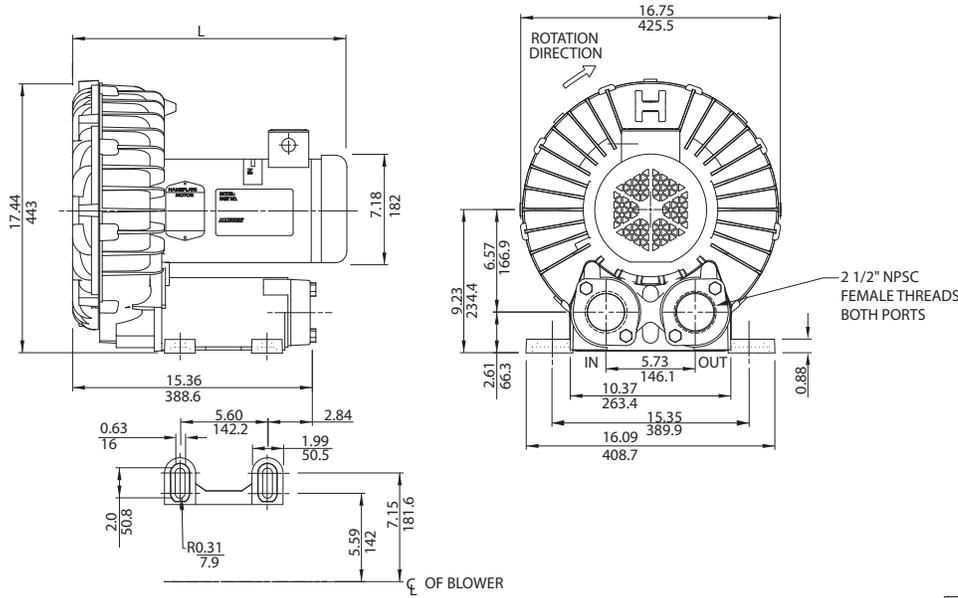
NYSDEC BCP #C224157





## APPENDIX E

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

Specification	Units	Part/ Model Number				
		EN757M72XL 081176	EN757M86XL 081177	EN757F72XL 081174	CP757FW72XLR 081180	CP757FU72XLR 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 Kg	158 71.7	158 71.7	158 71.7	158 71.7	158 71.7

**Voltage** - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

**Operating Temperatures** - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

**Maximum Blower Amps** - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

**XP Motor Class - Group** - See Explosive Atmosphere Classification Chart in Section I

*This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.*

## FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 310 SCFM
- Maximum pressure: 80 IWG
- Maximum vacuum: 75 IWG
- Standard motor: 5.0 HP, explosion-proof
- Cast aluminum blower housing, impeller, cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

## MOTOR OPTIONS

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

## BLOWER OPTIONS

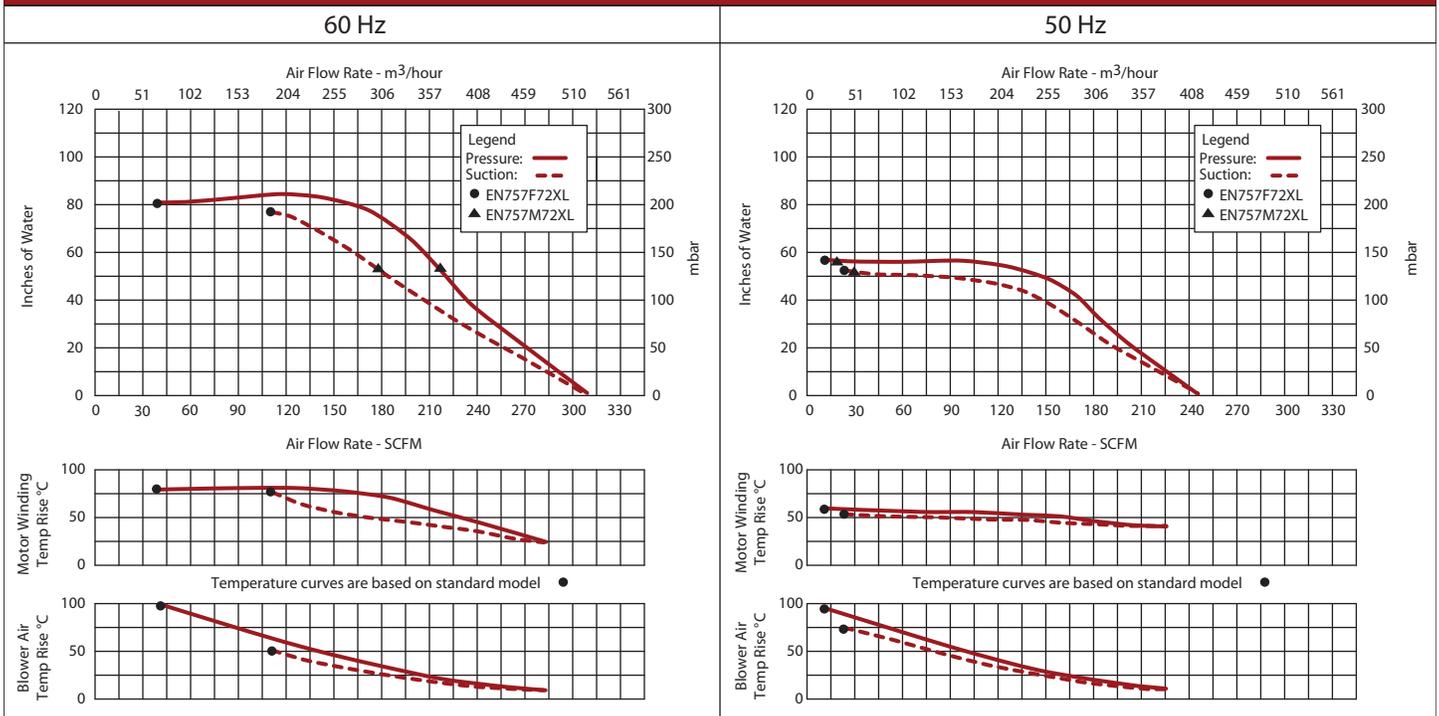
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

## ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package



## Blower Performance at Standard Conditions



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



## 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](mailto:jenniferl@pwgrosser.com)

June 9, 2020

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 May 26, 2020. Attachment 1 is a summary of the samples that were reviewed for analysis.

### LDC Project #48145:

<u>SDG #</u>	<u>Fraction</u>
L2019409	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 SW-Method 8260B and 8260C, 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](mailto:crink@lab-data.com)  
Project Manager/Senior Chemist



**Site:** Former Brighton Cleaners  
**Laboratory:** Alpha Analytical, Inc.  
**Report No.:** L2019409  
**Reviewer:** Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting  
**Date:** June 8, 2020

**Samples Reviewed and Evaluation Summary**

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-10	L2019409-01	VOC
MW-12	L2019409-02	VOC
MW-13	L2019409-03	VOC
MW-14	L2019409-04	VOC
MLW (15-20)	L2019409-05	VOC
MLW (35-40)	L2019409-06	VOC
MW-17	L2019409-07	VOC
FIELD BLANK	L2019409-08	VOC
TRIP BLANK	L2019409-09	VOC
DUPE	L2019409-10	VOC
MW-12MS	L2019409-02MS	VOC
MW-12MSD	L2019409-02MSD	VOC

Associated QC Samples(s):

Field/Trip Blanks: TRIP BLANK, FIELD BLANK

Field Duplicate pair: MW-14 and DUPE

The above-listed water samples were collected on May 11, 2020 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 SW-Method 8260B and 8260C*, 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 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
03/19/20	ICAL-VOA101	1,4-Dioxane	0.00125 ( $\geq 0.005$ )	TRIP BLANK DUPE	+	UJ nondetects

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
04/21/20	ICAL-Elaine	1,4-Dioxane	0.00136 ( $\geq 0.005$ )	MW-10 MW-12 MW-13 MW-14 MLW (15-20) MLW (35-40) MW-17 FIELD BLANK	+	UJ nondetects

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

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

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

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

The 1,4-dioxane results 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
03/20/20	ICV-VOA101	Dichlorodifluoromethane Chloromethane Vinyl chloride Carbon disulfide	110.8 35.8 32.6 30.6	TRIP BLANK DUPE	SS SS SS SS	J detects/ UJ nondetects
04/21/20	ICV-Elaine	Dichlorodifluoromethane	36.6	MW-10 MW-12 MW-13 MW-14 MLW (15-20) MLW (35-40) MW-17 FIELD BLANK	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, chloromethane, vinyl chloride, and carbon disulfide results were estimated due to second source verification exceedances. The bias cannot be determined. The results can be used for project objectives as detects with estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

#### Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
05/14/20	CCV-Elaine	Dichlorodifluoromethane	22.0	MW-10	XX	UJ nondetects
		Bromomethane	33.1	MW-12 MW-13 MW-14 MLW (15-20) MLW (35-40) MW-17 FIELD BLANK	XX	UJ nondetects
05/14/20	CCV-VOA101	Dichlorodifluoromethane	33.1	TRIP BLANK	XX	UJ nondetects
		Chloromethane	30.8	DUPE	XX	UJ nondetects
		Bromomethane	81.2		XX	UJ nondetects
		Acetone	26.5		XX	UJ nondetects
		Vinyl acetate	23.2		XX	UJ nondetects
		2-Butanone	20.5		XX	UJ nondetects
		1,4-Dioxane	33.6		XX	UJ nondetects
		2-Hexanone	31.5		XX	UJ nondetects
		trans-1,4-Dichloro-2-butene	26.2		XX	UJ nondetects
		1,2,3-Trichlorobenzene	25.9		XX	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, bromomethane, chloromethane, acetone, vinyl acetate, 2-butanone, 1,4-dioxane, 2-hexanone, trans-1,4-dichloro-2-butene, 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
05/14/20	CCV-Elaine	1,4-Dioxane	0.00129 (≥0.005)	MW-10 MW-12 MW-13 MW-14 MLW (15-20) MLW (35-40) MW-17 FIELD BLANK	+	UJ nondetects
05/14/20	CCV-VOA101	1,4-Dioxane	0.00167 (≥0.005)	TRIP BLANK DUPE	+	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- + = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane results were estimated due to response factor exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

**Blanks**

Contamination was not detected in the method blanks.

No positive results were found in the trip blank sample TRIP BLANK and field blank sample FIELD BLANK for VOC analysis.

**Surrogate Recoveries**

All criteria were met.

**MS/MSD Results**

MS/MSD analyses were performed on sample MW-12 for VOC analysis. All criteria were met.

**LCS Results**

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG1371093-LCS/LCSD	Bromomethane	19 (39-139)	27 (39-139)	TRIP BLANK DUPE	UJ nondetects

- Within control limits

The bromomethane results may be biased low due to low LCS/LCSD percent recovery. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
WG1371093-LCS/LCSD	Bromomethane	35 (≤20)	TRIP BLANK DUPE	None

Validation action was not required for bromomethane due to LCS/LCSD relative percent difference exceedance as positive results only are affected and this compound was not detected in the associated samples.

**Internal Standards**

All criteria were met.

**Field Duplicate Results**

Samples MW-14 and DUPE were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD
	MW-14	DUPE	
Tetrachloroethene	20	18	11
Vinyl chloride	100	100	0
Trichloroethene	9.9	11	11
cis-1,2-Dichloroethene	240	260	8
1,2-Dichloroethene, total	240	260	8

**Quantitation Limits and Data Assessment**

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

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

Sample	VOC Analysis Reported
MW-14 DUPE	2-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 : L2019409-01  
 Client ID : MW-10  
 Sample Location : 3140 CONEY ISLAND AVE.  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N14  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 13:45  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:15  
 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	2.7	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

JUN 09 2020

Initials: ER



**Results Summary  
Form 1  
Volatile Organics by GC/MS**

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-01  
 Client ID : MW-10  
 Sample Location : 3140 CONEY ISLAND AVE.  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N14  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 13:45  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:15  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : ELAINE  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

CAS NO.	Parameter	Results	ug/L		Qualifier
			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	0.44	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	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

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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 : L2019409-01  
 Client ID : MW-10  
 Sample Location : 3140 CONEY ISLAND AVE.  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N14  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 13:45  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:15  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : ELAINE  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

CAS NO.	Parameter	Results	ug/L		Qualifier
			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: ER

**Results Summary**  
**Form 1**  
**Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-01	Date Collected	: 05/11/20 13:45
Client ID	: MW-10	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE.	Date Analyzed	: 05/14/20 21:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200514N14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND <i>U</i>	2.5	0.70	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 : L2019409-02  
 Client ID : MW-12  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N15  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:36  
 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	2.2	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

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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 : L2019409-02  
 Client ID : MW-12  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N15  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:36  
 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	
75-00-3	Chloroethane	ND U	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	0.34 J	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND U	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND ↓	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND ↓	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND ↓	2.5	0.70	U
179601-23-1	p/m-Xylene	ND ↓	2.5	0.70	U
95-47-6	o-Xylene	ND ↓	2.5	0.70	U
1330-20-7	Xylenes, Total	ND ↓	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.85 J	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	0.85 J	2.5	0.70	J
74-95-3	Dibromomethane	ND U	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND ↓	2.5	0.70	U
107-13-1	Acrylonitrile	ND ↓	5.0	1.5	U
100-42-5	Styrene	ND ↓	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND UJ	5.0	1.0	U
67-64-1	Acetone	ND U	5.0	1.5	U
75-15-0	Carbon disulfide	ND ↓	5.0	1.0	U
78-93-3	2-Butanone	ND ↓	5.0	1.9	U
108-05-4	Vinyl acetate	ND ↓	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND ↓	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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# Results Summary Form 1 Volatile Organics by GC/MS

**Client** : P. W. Grosser  
**Project Name** : FORMER BRIGHTON CLEANERS  
**Lab ID** : L2019409-02  
**Client ID** : MW-12  
**Sample Location** : 3140 CONEY ISLAND AVE  
**Sample Matrix** : WATER  
**Analytical Method** : 1,8260C  
**Lab File ID** : VE200514N15  
**Sample Amount** : 10 ml  
**Level** : LOW  
**Extract Volume (MeOH)** : N/A

**Lab Number** : L2019409  
**Project Number** : CIR2001  
**Date Collected** : 05/11/20 11:00  
**Date Received** : 05/11/20  
**Date Analyzed** : 05/14/20 21:36  
**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	
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: ER

**Results Summary**  
**Form 1**  
**Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-02	Date Collected	: 05/11/20 11:00
Client ID	: MW-12	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 21:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200514N15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

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# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-03  
 Client ID : MW-13  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N16  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:25  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:58  
 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 U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.4	0.50	0.18	
108-90-7	Chlorobenzene	ND U	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.60	0.50	0.16	
108-88-3	Toluene	ND U	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND U	2.5	0.70	U
75-01-4	Vinyl chloride	0.87 J	1.0	0.07	J

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# Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-03  
 Client ID : MW-13  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N16  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:25  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:58  
 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	
75-00-3	Chloroethane	1.4 <i>5</i>	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND <i>U</i>	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND <i>U</i>	2.5	0.70	U
79-01-6	Trichloroethene	2.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND <i>U</i>	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 <i>U</i>	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	3.1	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	3.1	2.5	0.70	
74-95-3	Dibromomethane	ND <i>U</i>	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 <i>55</i>	5.0	1.0	U
67-64-1	Acetone	ND <i>U</i>	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 <i>U</i>	2.5	0.70	U

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**Results Summary**  
**Form 1**  
**Volatile Organics by GC/MS**

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-03  
 Client ID : MW-13  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N16  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:25  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:58  
 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	
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	0.90	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	0.90	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U

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**Results Summary  
Form 1  
Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-03	Date Collected	: 05/11/20 11:25
Client ID	: MW-13	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 21:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200514N16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND <i>U</i>	2.5	0.70	U

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JUN 09 2020

Initials: *CR*



**Results Summary**  
**Form 1**  
**Volatile Organics by GC/MS**

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-04D  
 Client ID : MW-14  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N17  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:45  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 22:19  
 Dilution Factor : 2  
 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	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	20	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.29	U
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	100	2.0	0.14	

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# Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-04D  
 Client ID : MW-14  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N17  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:45  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 22:19  
 Dilution Factor : 2  
 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	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	9.9	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
1330-20-7	Xylenes, Total	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	240	5.0	1.4	
540-59-0	1,2-Dichloroethene, Total	240	5.0	1.4	
74-95-3	Dibromomethane	ND	10	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U
107-13-1	Acrylonitrile	ND	10	3.0	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-05-4	Vinyl acetate	ND	10	2.0	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U

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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 : L2019409-04D  
 Client ID : MW-14  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N17  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 11:45  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 22:19  
 Dilution Factor : 2  
 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	
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	U
108-86-1	Bromobenzene	ND	5.0	1.4	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
95-49-8	o-Chlorotoluene	ND	5.0	1.4	U
106-43-4	p-Chlorotoluene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.4	U
123-91-1	1,4-Dioxane	ND	500	120	U
105-05-5	p-Diethylbenzene	ND	4.0	1.4	U
622-96-8	p-Ethyltoluene	ND	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND	5.0	1.4	U

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**Results Summary**  
**Form 1**  
**Volatile Organics by GC/MS**

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-05  
 Client ID : MLW (15-20)  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N18  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 22:41  
 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	0.48	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	42	1.0	0.07	

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# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-05  
 Client ID : MLW (15-20)  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N18  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 22:41  
 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	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.19	0.50	0.17	J
156-60-5	trans-1,2-Dichloroethene	1.6	2.5	0.70	J
79-01-6	Trichloroethene	0.63	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	91	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	93	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	1.6	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: ER

# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-05  
 Client ID : MLW (15-20)  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N18  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 22:41  
 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	
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

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**Results Summary**  
**Form 1**  
**Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-05	Date Collected	: 05/11/20 12:00
Client ID	: MLW (15-20)	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 22:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200514N18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

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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 : L2019409-06  
 Client ID : MLW (35-40)  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N19  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:15  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 23:02  
 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 U	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND JS	2.5	0.70	U
75-01-4	Vinyl chloride	ND U	1.0	0.07	U



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-06  
 Client ID : MLW (35-40)  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N19  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:15  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 23:02  
 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	
75-00-3	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	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

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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 : L2019409-06  
 Client ID : MLW (35-40)  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N19  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:15  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 23:02  
 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	
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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**Results Summary  
Form 1  
Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-06	Date Collected	: 05/11/20 12:15
Client ID	: MLW (35-40)	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 23:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200514N19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND U	2.5	0.70	U

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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 : L2019409-07  
 Client ID : MW-17  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N20  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:57  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 23:23  
 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	1.9	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-07  
 Client ID : MW-17  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N20  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:57  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 23:23  
 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	
75-00-3	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	0.72	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	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

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# Results Summary Form 1 Volatile Organics by GC/MS

**Client** : P. W. Grosser  
**Project Name** : FORMER BRIGHTON CLEANERS  
**Lab ID** : L2019409-07  
**Client ID** : MW-17  
**Sample Location** : 3140 CONEY ISLAND AVE  
**Sample Matrix** : WATER  
**Analytical Method** : 1,8260C  
**Lab File ID** : VE200514N20  
**Sample Amount** : 10 ml  
**Level** : LOW  
**Extract Volume (MeOH)** : N/A

**Lab Number** : L2019409  
**Project Number** : CIR2001  
**Date Collected** : 05/11/20 12:57  
**Date Received** : 05/11/20  
**Date Analyzed** : 05/14/20 23:23  
**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	
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	0.96	2.0	0.70	J
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

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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 : L2019409-08  
 Client ID : FIELD BLANK  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : Field Blank  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N10  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:05  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 19:48  
 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	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

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# Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-08  
 Client ID : FIELD BLANK  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : Field Blank  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N10  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:05  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 19:48  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : ELAINE  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

CAS NO.	Parameter	Results	ug/L		Qualifier
			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	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

60 1 05/14/2020 19:48:00

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# Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-08  
 Client ID : FIELD BLANK  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : Field Blank  
 Analytical Method : 1,8260C  
 Lab File ID : VE200514N10  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 12:05  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 19:48  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : ELAINE  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

CAS NO.	Parameter	Results	ug/L		Qualifier
			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: ER



**Results Summary  
Form 1  
Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-08	Date Collected	: 05/11/20 12:05
Client ID	: FIELD BLANK	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 19:48
Sample Matrix	: Field Blank	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200514N10	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND <i>U</i>	2.5	0.70	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 : L2019409-09  
 Client ID : TRIP BLANK  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : Trip Blank (aqueous)  
 Analytical Method : 1,8260C  
 Lab File ID : V01200514N09  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 00:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:09  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : VOA101  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

CAS NO.	Parameter	Results	ug/L		Qualifier
			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



# Results Summary Form 1 Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-09  
 Client ID : TRIP BLANK  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : Trip Blank (aqueous)  
 Analytical Method : 1,8260C  
 Lab File ID : V01200514N09  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 00:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:09  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : VOA101  
 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	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

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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 : L2019409-09  
 Client ID : TRIP BLANK  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : Trip Blank (aqueous)  
 Analytical Method : 1,8260C  
 Lab File ID : V01200514N09  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 00:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:09  
 Dilution Factor : 1  
 Analyst : NLK  
 Instrument ID : VOA101  
 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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**Results Summary  
Form 1  
Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-09	Date Collected	: 05/11/20 00:00
Client ID	: TRIP BLANK	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 21:09
Sample Matrix	: Trip Blank (aqueous)	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V01200514N09	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND <i>JS</i>	2.5	0.70	U

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# Results Summary Form 1 Volatile Organics by GC/MS

**Client** : P. W. Grosser  
**Project Name** : FORMER BRIGHTON CLEANERS  
**Lab ID** : L2019409-10D  
**Client ID** : DUPE  
**Sample Location** : 3140 CONEY ISLAND AVE  
**Sample Matrix** : WATER  
**Analytical Method** : 1,8260C  
**Lab File ID** : V01200514N11  
**Sample Amount** : 5 ml  
**Level** : LOW  
**Extract Volume (MeOH)** : N/A

**Lab Number** : L2019409  
**Project Number** : CIR2001  
**Date Collected** : 05/11/20 00:00  
**Date Received** : 05/11/20  
**Date Analyzed** : 05/14/20 21:55  
**Dilution Factor** : 2  
**Analyst** : NLK  
**Instrument ID** : VOA101  
**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	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	18	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.29	U
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	100	2.0	0.14	

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# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-10D  
 Client ID : DUPE  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : V01200514N11  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 00:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:55  
 Dilution Factor : 2  
 Analyst : NLK  
 Instrument ID : VOA101  
 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	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	11	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
1330-20-7	Xylenes, Total	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	260	5.0	1.4	
540-59-0	1,2-Dichloroethene, Total	260	5.0	1.4	
74-95-3	Dibromomethane	ND	10	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U
107-13-1	Acrylonitrile	ND	10	3.0	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-05-4	Vinyl acetate	ND	10	2.0	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U

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# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : P. W. Grosser  
 Project Name : FORMER BRIGHTON CLEANERS  
 Lab ID : L2019409-10D  
 Client ID : DUPE  
 Sample Location : 3140 CONEY ISLAND AVE  
 Sample Matrix : WATER  
 Analytical Method : 1,8260C  
 Lab File ID : V01200514N11  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2019409  
 Project Number : CIR2001  
 Date Collected : 05/11/20 00:00  
 Date Received : 05/11/20  
 Date Analyzed : 05/14/20 21:55  
 Dilution Factor : 2  
 Analyst : NLK  
 Instrument ID : VOA101  
 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	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	U
108-86-1	Bromobenzene	ND	5.0	1.4	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
95-49-8	o-Chlorotoluene	ND	5.0	1.4	U
106-43-4	p-Chlorotoluene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.4	U
123-91-1	1,4-Dioxane	ND	500	120	U
105-05-5	p-Diethylbenzene	ND	4.0	1.4	U
622-96-8	p-Ethyltoluene	ND	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND	5.0	1.4	U

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Initials: CR

**Results Summary  
Form 1  
Volatile Organics by GC/MS**

Client	: P. W. Grosser	Lab Number	: L2019409
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2001
Lab ID	: L2019409-10D	Date Collected	: 05/11/20 00:00
Client ID	: DUPE	Date Received	: 05/11/20
Sample Location	: 3140 CONEY ISLAND AVE	Date Analyzed	: 05/14/20 21:55
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V01200514N11	Instrument ID	: VOA101
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND <i>JJ</i>	5.0	1.4	U

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Initials: *ER*



LDC #: 48145A1a

**VALIDATION COMPLETENESS WORKSHEET**

SDG #: L2019409

Category B

Laboratory: Alpha Analytical, Inc.

Date: 6/5/20

Page: 1 of 1

Reviewer: FJ

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	% RSD ≤ 20, r <sup>2</sup> ICV ≤ 30
IV.	Continuing calibration	sw	CV ≤ 20
V.	Laboratory Blanks	Δ	
VI.	Field blanks	ND	FB = 8 TB = 9
VII.	Surrogate spikes	Δ	
VIII.	Matrix spike/Matrix spike duplicates	Δ	
IX.	Laboratory control samples	sw	Les ID
X.	Field duplicates	sw	D = 4, 10
XI.	Internal standards	Δ	
XII.	Compound quantitation RL/LOQ/LODs	Δ	Results < RL > MDL = dit
XIII.	Target compound identification	A	
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 2	MW-10	L2019409-01	Water	05/11/20
2 2	MW-12	L2019409-02	Water	05/11/20
3 2	MW-13	L2019409-03	Water	05/11/20
4 2	MW-14 D 2x	L2019409-04	Water	05/11/20
5 2	MLW (15-20)	L2019409-05	Water	05/11/20
6 2	MLW (35-40)	L2019409-06	Water	05/11/20
7 2	MW-17	L2019409-07	Water	05/11/20
8 2	FIELD BLANK	L2019409-08	Water	05/11/20
9 1	TRIP BLANK	L2019409-09	Water	05/11/20
10 1	DUPE D 2x	L2019409-10	Water	05/11/20
11 2	MW-12MS	L2019409-02MS	Water	05/11/20
12 2	MW-12MSD	L2019409-02MSD	Water	05/11/20
13 1	WG 137 1093 - 5 Blank			
14 2	WG 137 1118 - 5 Blank			

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
<b>I. Technical holding times</b>				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
<b>II. GC/MS Instrument performance check</b>				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
<b>IIIa. Initial calibration</b>				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of > 0.990?		✓		
<b>IIIb. Initial Calibration Verification</b>				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
<b>IV. Continuing calibration</b>				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
<b>V. Laboratory Blanks</b>				
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?		✓		
<b>VI. Field blanks</b>				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
<b>VII. Surrogate spikes</b>				
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?			✓	
<b>VIII. Matrix spike/Matrix spike duplicates</b>				
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?	✓			

Validation Area	Yes	No	NA	Findings/Comments
<b>IX. Laboratory control samples</b>				
Was an LCS analyzed per analytical batch?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>X. Field duplicates</b>				
Were field duplicate pairs identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target compounds detected in the field duplicates?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>XI. Internal standards</b>				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were retention times within + 30 seconds of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>XII. Compound quantitation</b>				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>XIII. Target compound identification</b>				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were chromatogram peaks verified and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>XIV. System performance</b>				
System performance was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>XV. Overall assessment of data</b>				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 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	WWWWW. 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. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.









LDC#: 48145A1a

**VALIDATION FINDINGS WORKSHEET**  
**Field Duplicates**

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

**METHOD:** GCMS VOA (EPA Method 8260C)

Compound	Concentration (ug/L)		RPD
	4	10	
AA	20	18	11
C	100	100	0
S	9.9	11	11
QQQ	240	260	8
J	240	260	8





LDC #: 48145A1a

## VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

Page: 1 of 1

Reviewer: FT

2nd Reviewer: [Signature]

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

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

A<sub>x</sub> = Area of compound,

A<sub>is</sub> = Area of associated internal standard

C<sub>x</sub> = Concentration of compound,

C<sub>is</sub> = 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 18:04	5/14/20	K (1st internal standard)	0.4650	0.454	0.454	2.4	2.4
	VOA 101		cc (2nd internal standard)	0.8580	0.817	0.817	4.8	4.8
			BB (3rd internal standard)	0.5280	0.478	0.478	9.5	9.5
			(4th internal standard)					
2	ccv 1652	5/14/20	K (1st internal standard)	0.321	0.289	0.289	10	10
	Elaine		AA (2nd internal standard)	0.278	0.284	0.284	2.2	2.2
			BB (3rd internal standard)	0.456	0.442	0.442	3.1	3.1
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
5			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

**VALIDATION FINDINGS WORKSHEET**  
**Surrogate Results Verification**

**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: A 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	10.060	101	101	0
1,2-Dichloroethane-d4	↓	9.245	92	92	↓
Toluene-d8	↓	9.594	96	96	↓
Bromofluorobenzene	↓	10.834	108	109	↓

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 #: 48145A1a

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

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

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	10	10	ND	11	11	110	110	110	110	0	0
Trichloroethene			0.34	10	10	100	102	100	100	0	1.6
Benzene				9.5	10	95	95	100	100	5	5
Toluene				9.1	9.7	91	91	97	97	6	6
Chlorobenzene				9.9	11	99	99	110	110	11	11

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 #: 48 | 45 A | a

## 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: W91371093 - LCS 10

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	10	11	100	100	110	110	10	10
Trichloroethene	↓	↓	11	11	110	110	110	110	0	0
Benzene	↓	↓	10	10	100	100	100	100	0	0
Toluene	↓	↓	9.5	9.8	95	95	98	98	3	3
Chlorobenzene	↓	↓	10	9.9	100	100	99	99	1	1

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

