WCD GROUP
A GALLAGHER BASSETT COMPANY

PERIODIC REVIEW REPORT

GDC-LIC DEVELOPMENT SITE

NYSDEC BCP ID: C241172

45-25 11th Street & 11-22 45th Road

Long Island City, Queens County, New York

July 17, 2019

WCD File: GQ14076R

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PERIODIC REVIEW REPORT

July 17, 2019

WCD File: GQ14076

Prepared By:

WCD Group
24 Davis Avenue
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Prepared For:

GDC-LIC Owner, LLC
245 Saw Mill River Road
Hawthorne, New York 10532

The undersigned has reviewed this Periodic Review Report and certifies to GDC-LIC Owner, LLC and to the New York State Department of Environmental Conservation (NYSDEC) that the information provided in this document is accurate as of the date of issuance by this office.

James Blaney, CHMM	July 17, 2019	
Qualified Environmental Professional	Date	Signature

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

(a) 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 DER;
(b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
(d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Philip Bell, P.E	July 17, 2019	
Professional Engineer	Date	Signature

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APPENDICES

1.0 INTRODUCTION

1.1 Purpose

This Periodic Review Report (PRR), prepared by WCD Group LLC (WCD), details on-going site management activities at the GDC-LIC Development Site ("Site"), which entered the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) in July 2015 (BCP ID: C241172). The Site is located at 45-25 11th Street & 11-22 45th Road, Long Island City, Queens County, New York. A map displaying the Site location is presented as Figure 1, Appendix A. The Reporting Period is April 21, 2018 to April 21, 2019.

1.2 Site Description

The site (1.15 acre) is located in Long Island City, Queens, New York and is bounded by 45th Road and an adjoining residential apartment building to the north, 46th Avenue to the south, a commercial building to the east, and 11th Street to the west (see Figure 1). The Site is an active construction site, which will contain 38 four-story residential units when completed (the foundations for all structures, as well as an inner, common, courtyard area, occupy the entirety of the property). The Site layout is depicted on Figure 1, Appendix A.

2.0 BACKGROUND

2.1 Site History and Investigations

Prior to the current development activities, the Site formerly contained two commercial buildings (constructed circa 1948 to 1952), which were historically used for warehousing and manufacturing, including electrical manufacturing and/or repair of electronic equipment. Environmental investigations (summarized in the Remedial Investigation Report, November 2015) documented elevated concentrations of organic and inorganic compounds in both soil and groundwater, and elevated concentrations of VOCs in soil vapor. No significant pesticide or PCB contamination was found. Based on the presence of floating non-aqueous phase liquid (NAPL) in a monitoring well, spill No. 14-09327 was reported to the NYSDEC in December 2014.

2.2 Remediation Activities

The Site was remediated in accordance with a NYSDEC-approved Remedial Action Work Plan (RAWP) from May through November, 2016, the spill file was closed and a Final Engineering Report was issued in December 2016. The remedial action included the following components:

- Removal of two known petroleum storage tanks (both tanks were found to be intact, with no evidence of any releases);
- Excavation and removal of approximately 15,800 tons of urban fill soils for development purposes;

- Excavation and removal of approximately 670 tons of deeper petroleum-contaminated soil in the northern-central portion of the Site (defined as "Hot Spot #1"), including smear-zone and saturated soils where NAPL had been identified, and 305 tons of a distinct deeper volume of saturated soils containing elevated concentrations of arsenic and petroleum compounds;
- Application of an oxygen release compound (PermeOx® Ultra) at the base of the Hot Spot #1 excavation, in order to enhance aerobic bioremediation of any residual petroleum contamination in both soil and groundwater;
- Injection of a two-part chemical oxidant (RegenOx®) and an oxygen release compound (ORC Advanced®) at the northwestern corner of the Site, in an area of documented naphthalene contamination (defined as "Hot Spot #2"). Note: Excavation and removal of soil in this area, as specified in the RAWP, was not practical due to the depth of the planned excavation near the sidewalk, and approval was secured from NYSDEC to utilize an in situ treatment;
- The RAWP calls for the installation of a cover system, to prevent exposure to remaining contamination in soil/fill at the site, consisting of: a minimum of two feet of approved clean cover materials (soil or stone) in the backyards, common courtyard and landscape areas; concrete-covered sidewalks; and concrete building slabs. As of the PRR reporting period, the permanent cover system has been completed throughout the site; and,
- Installation of a vapor barrier and sub-slab depressurization (SSD) system components beneath each new townhouse foundation, and sub-slab soil vapor testing to document existing conditions. Note: NYSDEC and NYSDOH do not consider a vapor barrier to be mitigation for soil vapor intrusion and therefore it is not an engineering control.

3.0 EFFECTIVENESS OF REMEDIAL ACTIVITIES

The effectiveness of the remedial activities in meeting the remedial goal (redevelopment of the site while protecting human health and the environment) is measured through on-going monitoring of the condition of the on-site cover system and the on-site groundwater, as required in the SMP. The effectiveness of each remedial activity is described below.

3.1 Groundwater Monitoring

Periodic groundwater sampling was conducted in April and August, 2018, and in March 2019, to document post-remedial groundwater quality and assess natural attenuation (scheduled sampling in November 2018 was not completed due to administrative matters). Summary Reports documenting the last two sampling events (August 2, 2018 and March 19, 2019) were prepared by WCD and submitted to NYSDEC on September 7, 2018 and April 23, 2019,

respectively. Data Usability Summary Reports (DUSRs) in accordance with DER-10, Appendix 2B, are being prepared for the August 2018 and March 2019 data sets by a third, independent party, which maintains NYSDOH ELAP CLP Certification (these DUSRs will be provided to NYSDEC under separate cover). The findings and conclusions of the March 2019 Summary Report (inclusive of the August 2018 data) are presented below.

WCD conducted sampling at five monitoring wells, installed at upgradient and cross-gradient sidewalk areas. [Note: 2MW-05 could not be sampled in March 2019 due to active construction activities in close proximity to the well]. Sampling for metals was discontinued after the April 2018 sampling event, which indicated an absence of arsenic or other significant metal concentrations. Groundwater monitoring data indicate the following:

- VOCs were not found at any well at concentrations above water quality standards, and total petroleum-related VOCs were non-detect at 2MW-03 and 2MW-04, located downgradient from former Hot Spot locations;
- Low-grade contamination by methylcyclohexane and cyclohexane (water quality standards not established for either compound), previously reported at monitoring wells 2MW-01 and 2MW-05 (located cross-gradient and somewhat cross-gradient, respectively, from the areas of soil remediation and in situ treatment) has significantly decreased; and,
- Low-grade impacts by PAHs, found during all groundwater monitoring events, may be related to contamination originating at the Site and/or from an off-site source. Contamination by PAHs is not present at levels warranting a response action, and is consistent with contributions from both urban fill materials and likely poor-quality regional groundwater conditions.

The absence of significant concentrations of petroleum compounds in groundwater support the conclusion that site remediation efforts have substantially met the remedial objectives for the GDC LIC Development Site. Low-grade methylcyclohexane and cyclohexane impacts, which show a clear downward trend, may be related to contamination originating at the Site (potentially as a result of materials mobilized during remedial excavations) and/or from an off-site source. Contamination by PAHs is not present at levels warranting a response action, and is consistent with contributions from both urban fill materials and likely poor-quality regional groundwater conditions. WCD recommends that quarterly groundwater sampling for VOCs and PAHs (as per the NYSDEC-approved SMP) be continued.

3.2 Engineering Controls

Engineering controls (ECs) have been put into place in order to manage remaining on-site contamination. These ECs at the Site consist of a cover system and passive sub-slab vapor interceptor systems at each structure (not completed as of the date of this PRR). A site-wide

inspection form presented as Appendix C, completed by WCD, documents the annual inspection of the existing ECs.

3.2.1 Cover System

Exposure to remaining contamination in soil/fill is prevented by a soil cover system placed over the Site. The planned cover system, presented in the RAWP as a minimum of 2 feet of clean soil in the backyards, common courtyard and landscape areas, concrete-covered sidewalks, and concrete building slabs, had not been fully completed as of the date of the Final Engineering Report. Temporary cover measures were approved by NYSDEC during a conference call on November 14, 2016. At that time, concrete slabs had been poured at 36 of the 38 residential buildings (units 113 through 130, fronting 46th Avenue, 131 through 133 and 136 through 138, fronting 11th Street, and 139 through 150, fronting 45th Road), establishing the permanent cover system at those portions of the Site.

An approved, temporary cover consisting of 1.5 +/- feet of crushed stone had been placed in a 1,000 SF portion of the far western side of the central courtyard, behind proposed units 134 and 135 (where a construction ramp was recently removed) and at the base of building units 134 and 135.

The cover system was disturbed during construction activities in November 2018 (installation of natural-gas piping) and in December 2018 (exposure of the courtyard sewer and storm piping systems for inspection by the Building Department). All work (soil excavation and handling, including proper segregation, and the restoration of the clean cover (and demarcation layer, as needed) was conducted under environmental oversight.

NYSDEC approved the importation of additional clean cover materials (3/4" virgin stone from permitted quarries) via email on February 28 and March 11, 2019, which was placed on-site during construction activities to increase site grades (all stone placed on top of the existing cover, above the demarcation layer). Placement of this material resulted in a final cover exceeding 2 feet.

The cover system was observed during the August 2018 and March 2019 groundwater sampling events, and a final inspection of the cover system was completed on May 17, 2019. The cover system was observed to be in good condition at the time of the inspection and no significant cracks, vegetation between cracks, ponding of surface water or surface depressions were noted. Photographs of cover system at the Site are presented as Appendix D.

3.2.2 Sub-slab Vapor Interceptor System

Vapor interceptor systems were installed beneath each unit during Site development to prevent soil vapor intrusion. Each system is comprised of a passive sub-slab depressurization system (SSDS) and an approximately 46 mil vapor barrier, underlying a 6-inch concrete slab. All elements are considered necessary to ensure that any vapors accumulating beneath the

structures do not enter occupied spaces. Building basement slabs were constructed in close proximity to the static groundwater level and the SSDS may be non-functional when water levels temporarily rise (e.g., during severe storm events).

Each SSDS was constructed with a series of horizontal, perforated PVC piping beneath the vapor barrier, which will later be plumbed to a non-perforated vertical riser extending through the building slab. At the completion of building construction, all residential units will be completed with passive SSDS (as approved by NYSDEC on October 25, 2017).

WCD has performed visual inspections of the visible sections of SSDS system piping at multiple dates throughout the reporting period, with the most recent inspection on May 17, 2019. Final sign-off of the SSDS will be performed by the Remedial Engineer at the completion of relevant construction activities, which will include confirmation that all system components have been properly installed, and that rooftop turbines have free movement of the blades. An Operations and Maintenance Plan will be implemented to ensure that any future damage to SSD system components is properly addressed and that rooftop turbines continue to operate as intended.

3.3 Institutional Controls

A series of Institutional Controls (ICs) have been put into place to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to restricted residential uses only. Adherence to these ICs on the Site is required by the Environmental Easement (EE) and will be implemented under the SMP. These ICs are:

- The property may be used for restricted residential use;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the site are prohibited.

4.0 COMPLIANCE WITH ENGINEERING AND INSTITUTIONAL CONTROLS

With the exception of the inactive SSDS, the ECs currently implemented at the Site are effective in protecting human health and the environment. The ECs are in compliance with the SMP and are effective for protecting human health and the environment.

The Site is currently undergoing re-development for residential use. Groundwater is not in use at the Site at this time and no gardens or farms are present. The ICs are currently implemented at the Site and are effective for protecting human health and the environment.

The completed NYSDEC EC/ICs Certification Form is provided in Appendix E.

5.0 CONCLUSIONS

Visual inspection of the cover system confirms that this existing EC is in good condition and working properly. All ECs and ICs in place at the Site are in compliance with the SMP. Results from the second and third rounds of post-remediation groundwater monitoring indicate that site remediation efforts have substantially met the remedial objectives for the GDC LIC Development Site. Groundwater monitoring will continue to be conducted on a quarterly basis, in conformance with the SMP; the next sampling event is anticipated in July 2019.

The services summarized in this PRR were conducted in accordance with the approved NYSDEC Brownfields Program SMP, and are considered by WCD to satisfy the requirements set forth in the SMP. The next report will be submitted by May 2020.

APPENDIX A

FIGURES

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 1: Project Site Map

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

Legend:

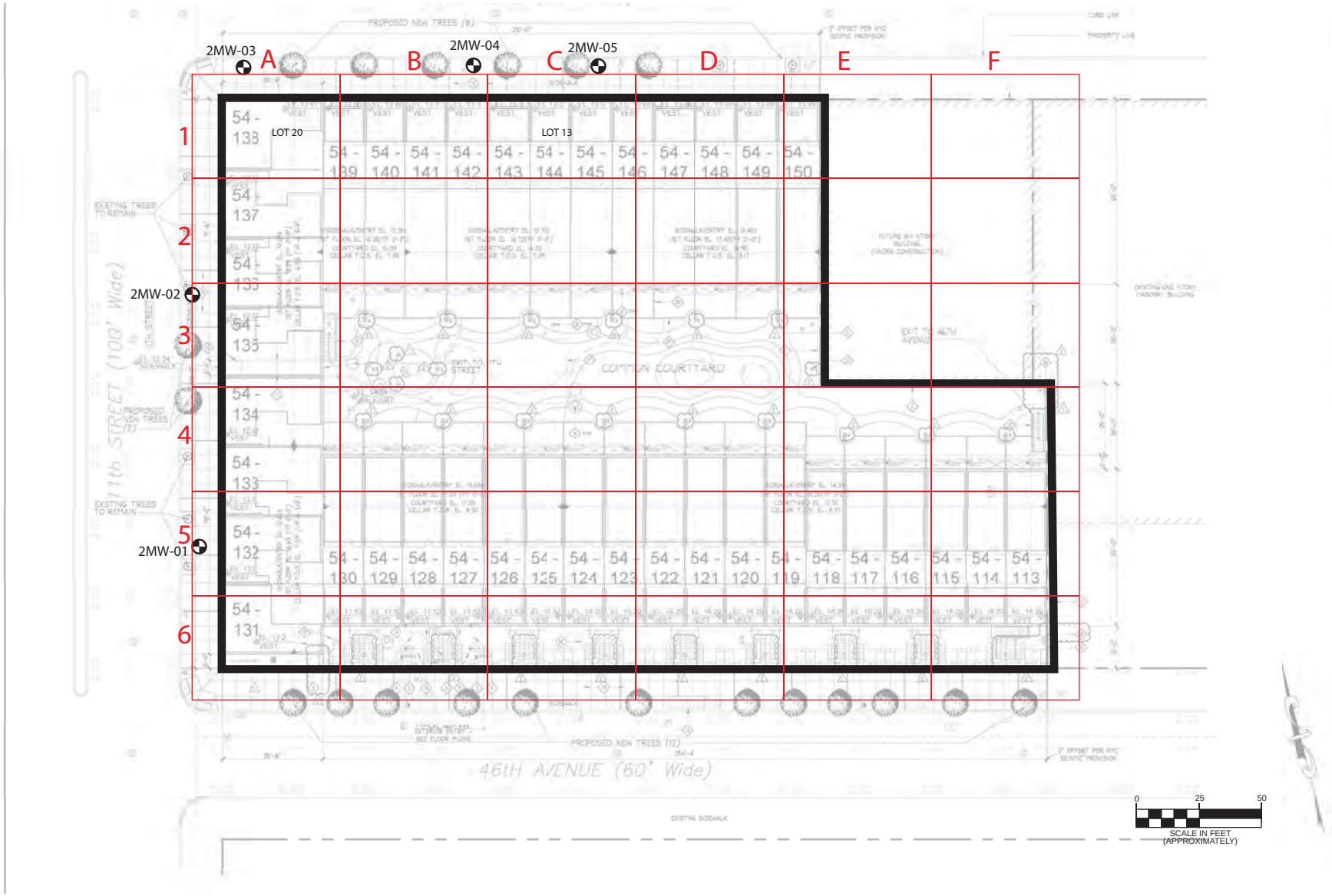
subject property border

0 250 500
SCALE IN FEET
(APPROXIMATELY)

WCD File: GQ14076.50

May 2019

Appendix A



Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

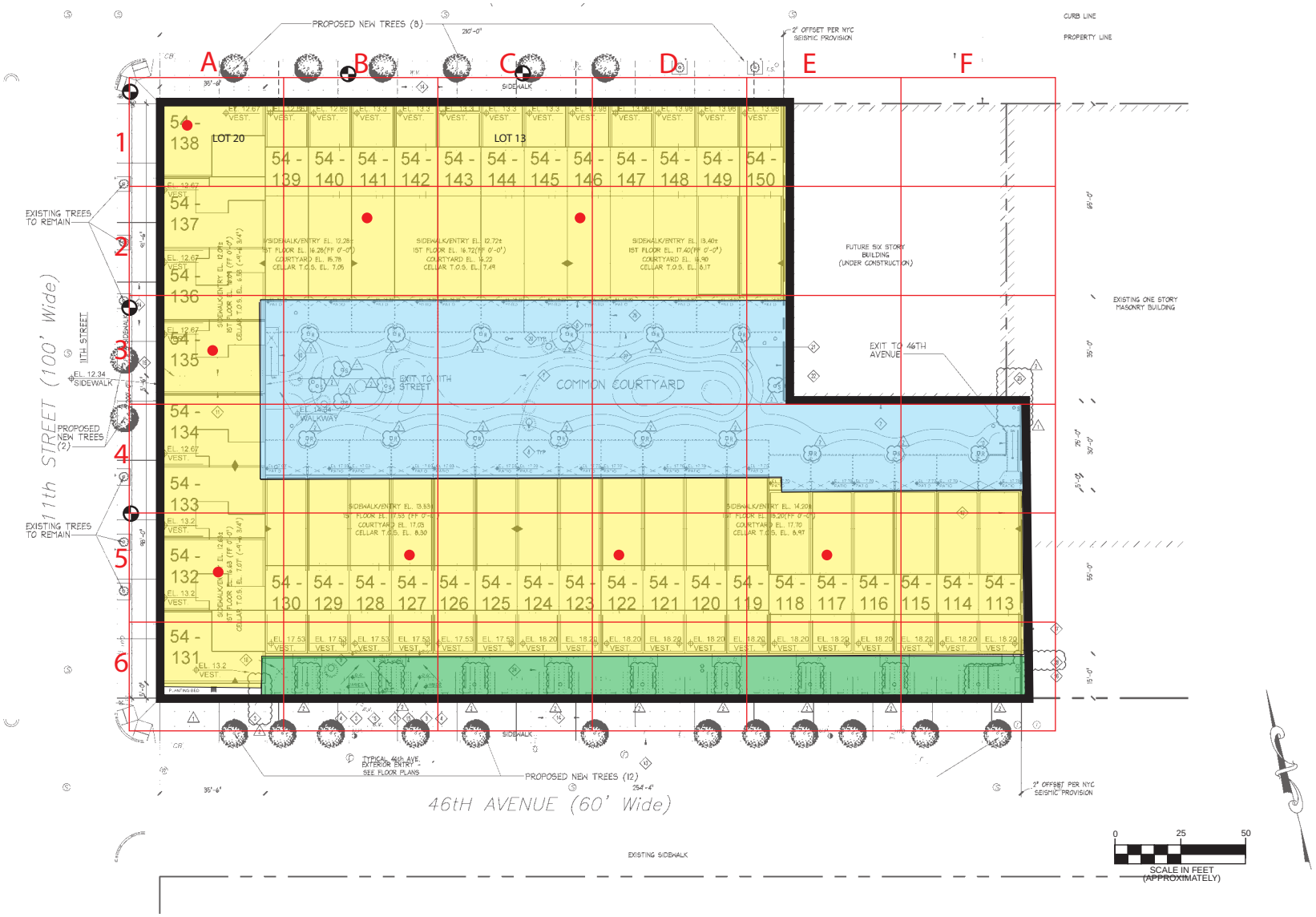
Figure 2: Groundwater Monitoring Well Locations

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

Legend:

- subject property border
- monitoring well location

WCD File: GQ14076.50
May 2019
Scale as shown
Appendix A



Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 3: Revised Engineering Controls

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

Legend:

- subject property border
- buildings underlain with 20 mil vapor barrier and SSD systems
- landscaped areas with two feet soil cover (or equivalent)
- barrier layer (concrete with limited landscaped areas)
- post-remediation groundwater monitoring wells
- post-excavation soil gas sampling locations

WCD File: GQ14076.50

May 2019

Scale as shown

Appendix A

MW-1 (11-13')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Benzene	0.06	48	0.76
Naphthalene	12	100	52

MW-09 (15-16')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Benzene	0.06	48	1.3

MW-10 (16-20')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.2
MW-10 (23-24')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.11

MW-5R-A (23-24')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Benzene	0.06	48	0.86
p- & m- Xylenes	0.26	100	0.84
Xylenes, Total	0.26	100	1.2

2SB-13 (11-12')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.073
2SB-13 (16.5')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.11
2SB-13 (19-20')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.1
Benzene	0.06	48	0.074
p- & m- Xylenes	0.26	100	0.34
Xylenes, Total	0.26	100	0.52

2SB-17 (6-7')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.13
2SB-17 (15')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.068

SB-04 (11-13')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.13

2SB-14 (13')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.32
Benzene	0.06	48	0.12
2SB-14 (19')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.076

2SB-15 (12-13')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Acetone	0.05	100	0.17

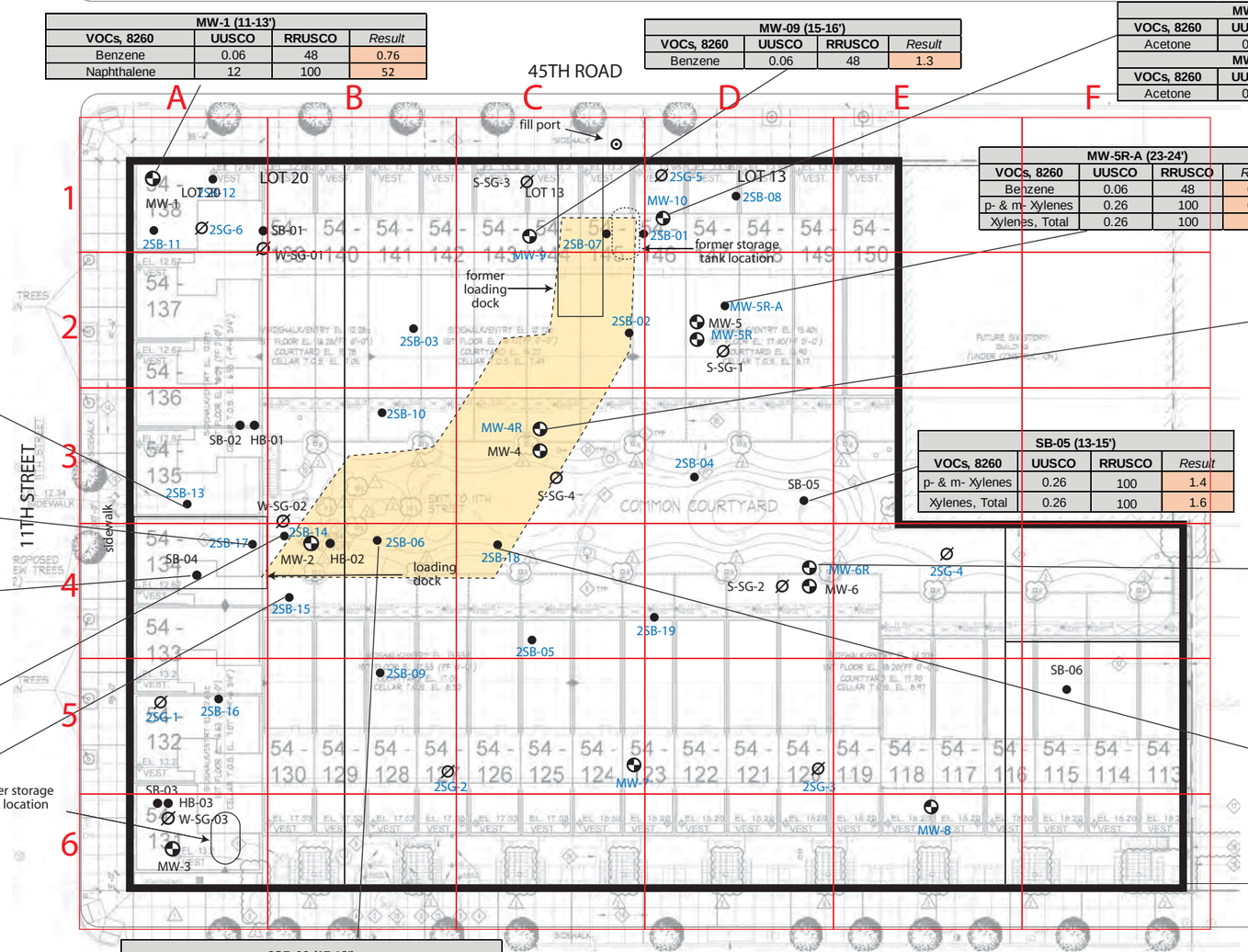
2SB-06 (17-18')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
Cyclohexane	10**	50**	33
Methylcyclohexane	10**	50**	**130**

SB-05 (13-15')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
p- & m- Xylenes	0.26	100	1.4
Xylenes, Total	0.26	100	1.6

MW-4R (15-16')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
1,2,4-Trimethylbenzene	3.6	52	**180**
1,3,5-Trimethylbenzene	8.4	52	**100**
Cyclohexane	10**	50**	14
Ethyl Benzene	1	41	16
Isopropylbenzene	2.3	100[#]	10
Methylcyclohexane	10**	50**	**230**
n-Butylbenzene	12	100	17
n-Propylbenzene	3.9	100	16
Toluene	0.7	100	35

MW-6R (17-18')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
p- & m-Xylenes	0.26	100	0.62
Methylcyclohexane	10**	50**	**54**

2SB-18 (15-16')			
VOCs, 8260	UUSCO	RRUSCO	*Result*
1,2,4-Trimethylbenzene	3.6	52	**130**
1,3,5-Trimethylbenzene	8.4	52	**82**
Benzene	0.06	48	2.1
Cyclohexane	10**	50**	**57**
Ethyl Benzene	1	41	18
Isopropylbenzene	2.3	100[#]	9.1
Methylcyclohexane	10**	50**	**210**
n-Butylbenzene	12	100	6.1
n-Propylbenzene	3.9	100	14
p-Isopropyltoluene	10	NA	11
Toluene	0.7	100	17



Legend:

- subject property border
- soil boring location
- soil gas sampling location
- groundwater monitoring well location
- ESI Phase II Investigation (September - October 2014)
- BCP RI (October 2015)
- Hot spot #1 boundary

Above UUSCO
Above RRUSCO

Data in mg/kg (parts per million)
Note: ** SCOs not established, values for comparison, only

Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate.
This map is intended as a schematic to be used in conjunction with
the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4: Remaining Contamination Exceedances of VOCs Above UUSCOs in Soil (After Remedy)

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

WCD File: GQ14076.50

Scale as shown

May 2019 | Appendix A

2SB-10 (11-12')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
Benzo(a)anthracene	1	1	**1.14**

2SB-13 (11-12')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
Benzo(a)anthracene	1	1	**2.45**
Benzo(a)pyrene	1	1	**1.1**
Benzo(b)fluoranthene	1	1	**1.41**
Benzo(k)fluoranthene	0.8	3.9	1.19
Chrysene	1	3.9	**4.89**
Dibenzo(a,h)anthracene	0.33	0.33	**0.448**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.922**
2SB-13 (16.5')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**2.86**
Benzo(a)anthracene	1	1	**7.02**
Benzo(a)pyrene	1	1	**1.93**
Benzo(b)fluoranthene	1	1	**2.02**
Benzo(k)fluoranthene	0.8	3.9	1.85
Chrysene	1	3.9	**11.2**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**1.39**
2SB-13 (19-20')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylphenol	0.33	100	0.458
3- & 4-Methylphenols	0.33	100	3.21

2SB-14 (13')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**4.2**
3- & 4-Methylphenols	0.33	100	2.1
Benzo(a)anthracene	1	1	**28.6**
Benzo(a)pyrene	1	1	**6.83**
Benzo(b)fluoranthene	1	1	**10.3**
Benzo(k)fluoranthene	0.8	3.9	**6.11**
Chrysene	1	3.9	**25.9**
Dibenzo(a,h)anthracene	0.33	0.33	**0.411**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**3.8**
Naphthalene	12	100	14.4
Phenol	0.33	100	0.496

MW-1 (11-13')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**244**
Acenaphthene	20	100	**148**
Acenaphthylene	100	100	**166**
Anthracene	100	100	**266**
Benzo(a)anthracene	1	1	**145**
Benzo(a)pyrene	1	1	**60.3**
Benzo(b)fluoranthene	1	1	**47.5**
Chrysene	1	3.9	**171**
Fluoranthene	100	100	**555**
Fluorene	30	100	**241**
Naphthalene	12	100	**1290**
Phenanthrene	100	100	**919**
Pyrene	100	100	**462**

MW-9 (15-16')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**9.13**
3- & 4-Methylphenols	0.33	100	1.63
Acenaphthene	20	100	50.4
Benzo(a)anthracene	1	1	**71.3**
Benzo(a)pyrene	1	1	**59.3**
Benzo(b)fluoranthene	1	1	**35**
Benzo(k)fluoranthene	0.8	3.9	**49.8**
Chrysene	1	3.9	**67.1**
Dibenzo(a,h)anthracene	0.33	0.33	**4.33**
Fluoranthene	100	100	**133**
Fluorene	30	100	58.3
Indeno(1,2,3-cd)pyrene	0.5	0.5	**8.37**
Naphthalene	12	100	58.9
Phenanthrene	100	100	**134**
Phenol	0.33	100	1.16
Pyrene	100	100	**128**

2SB-02 (12-16')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**54.3**
Acenaphthene	20	100	53.7
Benzo(a)anthracene	1	1	**14.5**
Benzo(a)pyrene	1	1	**4**
Benzo(b)fluoranthene	1	1	**4.22**
Benzo(k)fluoranthene	0.8	3.9	3.39
Chrysene	1	3.9	**12.6**
Fluorene	30	100	62.4
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.605**
Naphthalene	12	100	90.2
2SB-02 (20-24')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**13.4**
Benzo(a)anthracene	1	1	**2.27**
Benzo(a)pyrene	1	1	**1.02**
Benzo(b)fluoranthene	1	1	**1.17**
Benzo(k)fluoranthene	0.8	3.9	0.942
Chrysene	1	3.9	2.19
Naphthalene	12	100	26.5

MW-5R (23-24')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**2.89**
2-Methylphenol	0.33	100	0.337
3- & 4-Methylphenols	0.33	100	1.09
Acenaphthene	20	100	30.7
Benzo(a)anthracene	1	1	**32.2**
Benzo(a)pyrene	1	1	**25.7**
Benzo(b)fluoranthene	1	1	**18.6**
Benzo(k)fluoranthene	0.8	3.9	**19**
Chrysene	1	3.9	**23.7**
Dibenzo(a,h)anthracene	0.33	0.33	**6.65**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**12.3**
Naphthalene	12	100	29.6
Phenol	0.33	100	0.82

MW-4R			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**5.49**

2SB-18 (11-12')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
Benzo(a)anthracene	1	1	**4.55**
Benzo(a)pyrene	1	1	**1.64**
Benzo(b)fluoranthene	1	1	**2.23**
Benzo(k)fluoranthene	0.8	3.9	1.43
Chrysene	1	3.9	**4.82**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.585**

2SB-05 (11-12')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	0.366
Benzo(a)anthracene	1	1	**3.46**
Benzo(a)pyrene	1	1	**1.11**
Benzo(b)fluoranthene	1	1	0.816
Benzo(k)fluoranthene	0.8	3.9	1.41
Chrysene	1	3.9	2.91

2SB-06 (17-18')			
SVOCs, 8270	UUSCO	RRUSCO	*Result*
2-Methylnaphthalene	NA	0.41	**0.561**
Benzo(a)anthracene	1	1	**1.19**
Benzo(a)pyrene	1	1	0.769
Benzo(b)fluoranthene	1	1	0.869
Benzo(k)fluoranthene	0.8	3.9	0.657
Chrysene	1	3.9	1.36

45TH ROAD

46TH AVENUE

11TH STREET

former storage tank location

former loading dock

former storage tank location

fill port

loading dock

COMMON COURTYARD

SCALE IN FEET (APPROXIMATELY)

Legend:

- subject property border
- soil boring location
- soil gas sampling location
- groundwater monitoring well location
- ESI Phase II Investigation (September - October 2014)
- BCP RI (October 2015)
- Hot spot #1 boundary

Above UUSCO
Above RRUSCO

Data in mg/kg (parts per million)

Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate.
This map is intended as a schematic to be used in conjunction with
the associated report, and it should not be relied upon as a survey for planning or other activities.

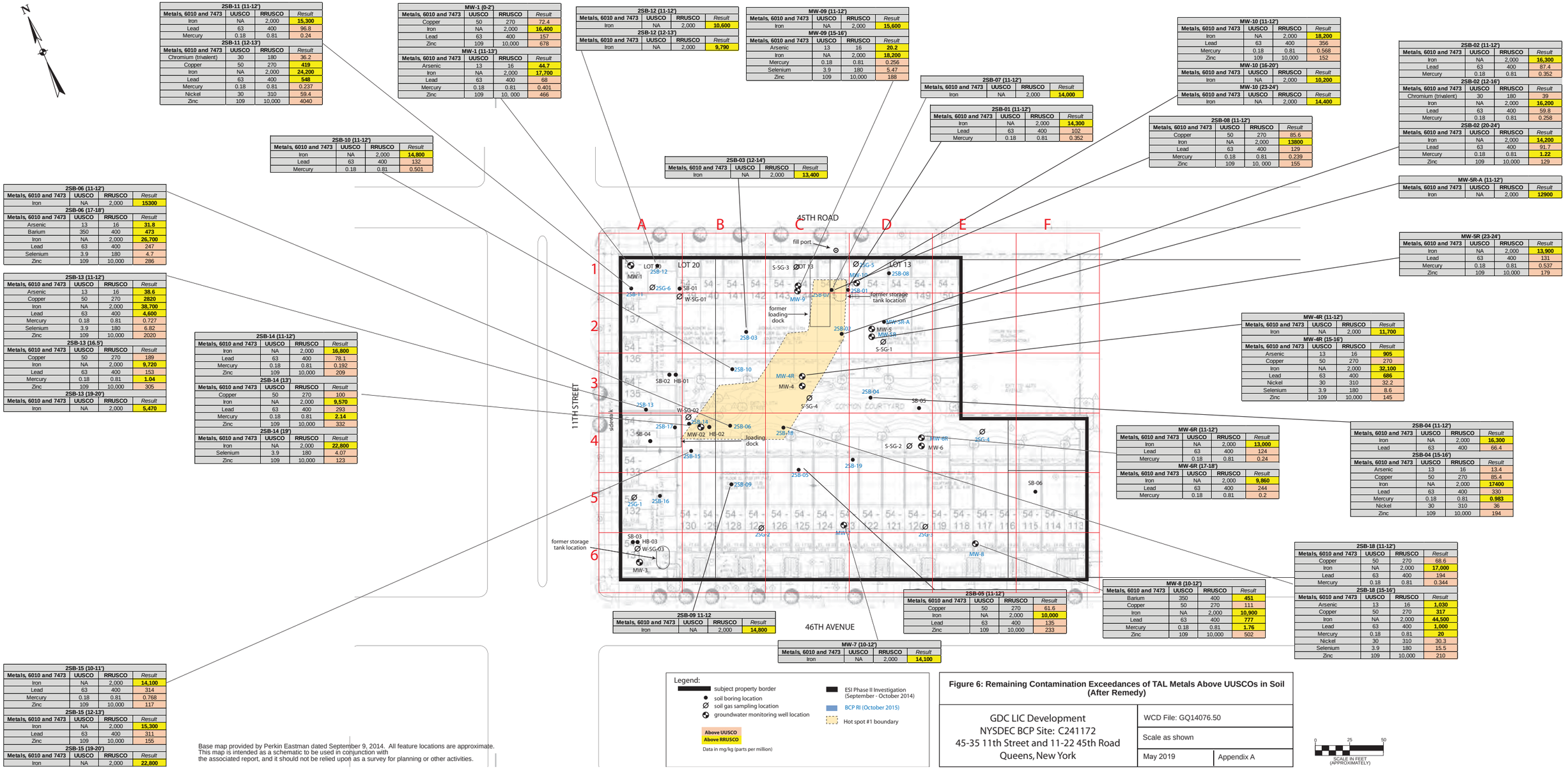
Figure 5: Remaining Contamination Exceedances of SVOCs Above UUSCOs in Soil (after Remedy)

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

WCD File: GQ14076.50

Scale as shown

May 2019 | Appendix A



2SB-11 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**15,300**
Lead	63	400	96.8
Mercury	0.18	0.81	0.24
2SB-11 (12-13')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Chromium (trivalent)	30	180	36.2
Copper	50	270	**419**
Iron	NA	2,000	**24,200**
Lead	63	400	**548**
Mercury	0.18	0.81	0.237
Nickel	30	310	59.4
Zinc	109	10,000	4040

MW-1 (0-2')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Copper	50	270	72.4
Iron	NA	2,000	**16,400**
Lead	63	400	157
Zinc	109	10,000	678
MW-1 (11-13')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	**44.7**
Iron	NA	2,000	**17,700**
Lead	63	400	68
Mercury	0.18	0.81	0.401
Zinc	109	10, 000	466

2SB-12 (12-13')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**10,600**
2SB-12 (12-13')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**9,790**

MW-09 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**15,600**
MW-09 (15-16')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	**20.2**
Iron	NA	2,000	**18,200**
Mercury	0.18	0.81	0.256
Selenium	3.9	180	5.47
Zinc	109	10,000	188

2SB-10 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,800**
Lead	63	400	132
Mercury	0.18	0.81	0.501

2SB-03 (12-14')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**13,400**

2SB-07 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,000**

2SB-01 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,300**
Lead	63	400	102
Mercury	0.18	0.81	0.352

MW-10 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**18,200**
Lead	63	400	356
Mercury	0.18	0.81	0.568
Zinc	109	10,000	152
MW-10 (16-20')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**10,200**
MW-10 (23-24')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,400**

2SB-08 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Copper	50	270	85.6
Iron	NA	2,000	**13800**
Lead	63	400	129
Mercury	0.18	0.81	0.239
Zinc	109	10, 000	155

2SB-02 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**16,300**
Lead	63	400	87.4
Mercury	0.18	0.81	0.352
2SB-02 (12-16')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Chromium (trivalent)	30	180	39
Iron	NA	2,000	**16,200**
Lead	63	400	59.8
Mercury	0.18	0.81	0.258
2SB-02 (20-24')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,200**
Lead	63	400	91.7
Mercury	0.18	0.81	**1.22**
Zinc	109	10,000	129

MW-5R-A (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**12900**

MW-5R (23-24')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**13,900**
Lead	63	400	131
Mercury	0.18	0.81	0.537
Zinc	109	10,000	179

2SB-06 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**15300**
2SB-06 (17-18')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	**31.8**
Barium	350	400	**473**
Iron	NA	2,000	**26,700**
Lead	63	400	247
Selenium	3.9	180	4.7
Zinc	109	10,000	286

2SB-13 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	**38.6**
Copper	50	270	**2820**
Iron	NA	2,000	**38,700**
Lead	63	400	**4,600**
Mercury	0.18	0.81	0.727
Selenium	3.9	180	6.82
Zinc	109	10,000	2020
2SB-13 (16.5')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Copper	50	270	189
Iron	NA	2,000	**9,720**
Lead	63	400	153
Mercury	0.18	0.81	**1.04**
Zinc	109	10,000	305
2SB-13 (19-20')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**5,470**

2SB-14 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**16,800**
Lead	63	400	78.1
Mercury	0.18	0.81	0.192
Zinc	109	10,000	209
2SB-14 (13')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Copper	50	270	100
Iron	NA	2,000	**9,570**
Lead	63	400	293
Mercury	0.18	0.81	**2.14**
Zinc	109	10,000	332
2SB-14 (19')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**22,800**
Selenium	3.9	180	4.07
Zinc	109	10,000	123

MW-4R (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**11,700**
MW-4R (15-16')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	**905**
Copper	50	270	270
Iron	NA	2,000	**32,100**
Lead	63	400	**686**
Nickel	30	310	32.2
Selenium	3.9	180	8.6
Zinc	109	10,000	145

MW-6R (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**13,000**
Lead	63	400	124
Mercury	0.18	0.81	0.24
MW-6R (17-18')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**9,860**
Lead	63	400	244
Mercury	0.18	0.81	0.2

2SB-04 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**16,300**
Lead	63	400	66.4
2SB-04 (15-16')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	13.4
Copper	50	270	85.4
Iron	NA	2,000	**17400**
Lead	63	400	330
Mercury	0.18	0.81	**0.983**
Nickel	30	310	36
Zinc	109	10,000	194

2SB-18 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Copper	50	270	68.6
Iron	NA	2,000	**17,000**
Lead	63	400	194
Mercury	0.18	0.81	0.344
2SB-18 (15-16')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Arsenic	13	16	**1,030**
Copper	50	270	**317**
Iron	NA	2,000	**44,500**
Lead	63	400	**1,000**
Mercury	0.18	0.81	**20**
Nickel	30	310	30.3
Selenium	3.9	180	15.5
Zinc	109	10,000	210

MW-8 (10-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Barium	350	400	**451**
Copper	50	270	111
Iron	NA	2,000	**10,900**
Lead	63	400	**777**
Mercury	0.18	0.81	**1.76**
Zinc	109	10,000	502

2SB-05 (11-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Copper	50	270	61.6
Iron	NA	2,000	**10,000**
Lead	63	400	135
Zinc	109	10,000	233

2SB-09 11-12			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,800**

MW-7 (10-12')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,100**

2SB-15 (10-11')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**14,100**
Lead	63	400	314
Mercury	0.18	0.81	0.768
Zinc	109	10,000	117
2SB-15 (12-13')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**15,300**
Lead	63	400	311
Zinc	109	10,000	155
2SB-15 (19-20')			
Metals, 6010 and 7473	UUSCO	RRUSCO	*Result*
Iron	NA	2,000	**22,800**

Legend:

- subject property border
- soil boring location
- soil gas sampling location
- groundwater monitoring well location
- ESI Phase II Investigation (September - October 2014)
- BCP RI (October 2015)
- Hot spot #1 boundary

Above UUSCO
Above RRUSCO

Data in mg/kg (parts per million)

Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate.
This map is intended as a schematic to be used in conjunction with
the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 6: Remaining Contamination Exceedances of TAL Metals Above UUSCOs in Soil (After Remedy)

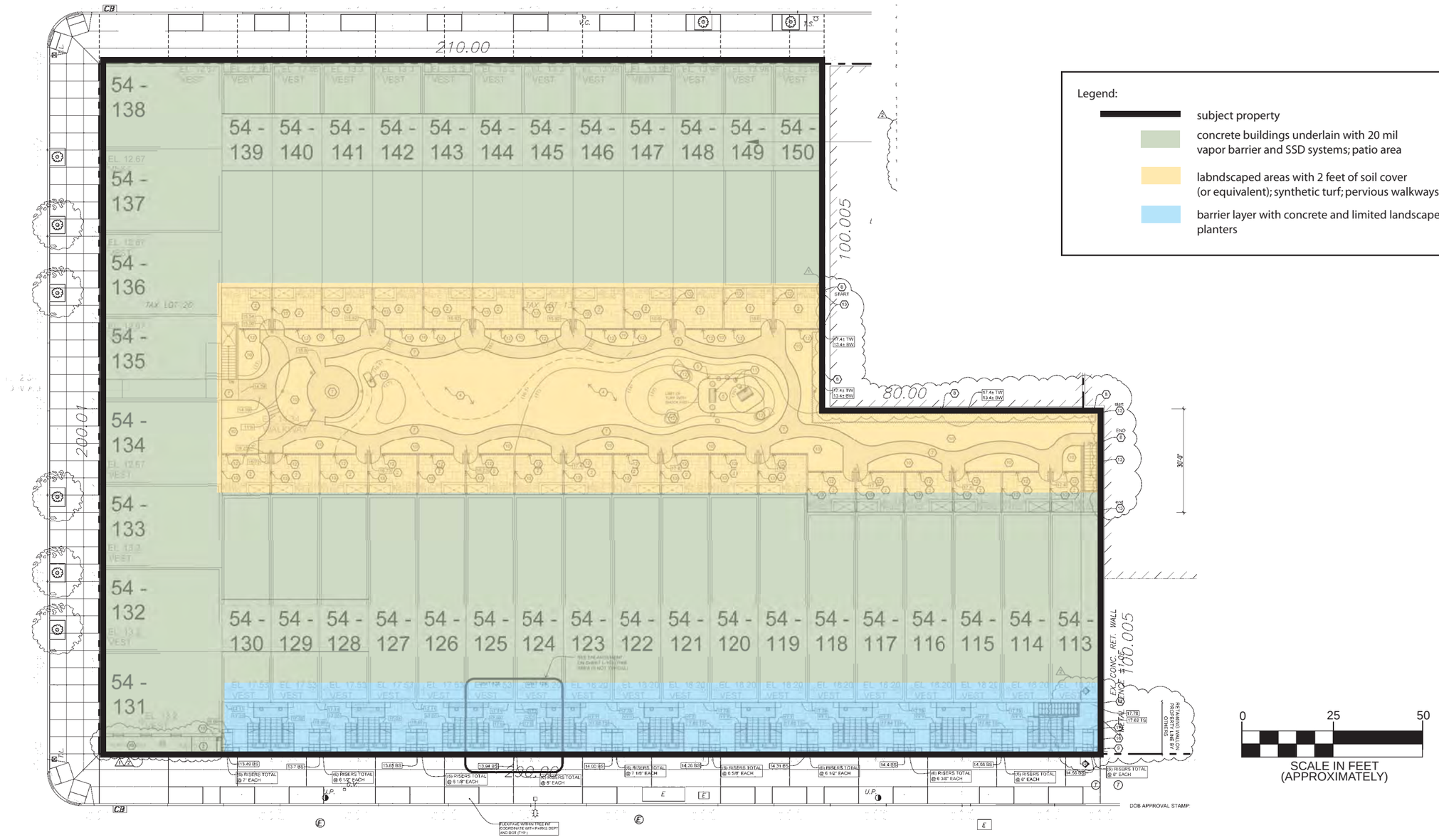
GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

WCD File: GQ14076.50

Scale as shown

May 2019 | Appendix A

0 25 50
SCALE IN FEET (APPROXIMATELY)



Legend:

- subject property
- concrete buildings underlain with 20 mil vapor barrier and SSD systems; patio area
- labndscaped areas with 2 feet of soil cover (or equivalent); synthetic turf; pervious walkways
- barrier layer with concrete and limited landscape planters

0 25 50

SCALE IN FEET (APPROXIMATELY)

Base map provided by Studer Design Associates, inc. - Grading and Layout Plan L-101 dated 6-3-16

Figure 7: Site Wide Cover System Plan

GDC LIC Development NYSDEC BCP Site: C241172 45-35 11th Street and 11-22 45th Road Queens, New York	WCD File: GQ14076.50	
	May 2019	Appendix A

APPENDIX B

GROUNDWATER MONITORING REPORT

SUMMARY REPORT OF QUARTERLY GROUNDWATER MONITORING

GDC-LIC Development Site

NYSDEC BCP Site Number: C241172

April 23, 2019

WCD File: GQ14076

Environmental & Construction Risk Management
24 Davis Ave., Poughkeepsie, NY 12603 T: 845-452-1658 F: 845-485-7083 wcdgroup.com

SUMMARY REPORT OF QUARTERLY GROUNDWATER MONITORING

April 23, 2019

WCD File: GH14076

Prepared By:

WCD Group
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For:

GDC-LIC Owner, LLC
245 Saw Mill River Road
Hawthorne, New York 10532

Environmental investigation services were performed by Gallagher Bassett Services, Inc., WCD Group Division. The undersigned have reviewed this Summary Report of Quarterly Groundwater Monitoring and certify to GDC-LIC Owner, LLC that the information provided in this document is accurate as of the date of issuance by this office.

Erick Salazar, WCD Group
Environmental Scientist

Scott Spitzer, WCD Group
Senior Environmental Consultant
Technical Director – Environmental Services

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APPENDICES

1.0 INTRODUCTION

1.1 Purpose

This Summary Report of Quarterly Groundwater Monitoring (Report) summarizes quarterly groundwater sampling conducted by Gallagher Bassett Services, Inc., WCD Group Division (WCD) at the GDC-LIC Development Site (Site) on March 14, 2019. This Report is divided into individual sections that document fieldwork methodology and laboratory results, and summarize WCD's conclusions and recommendations. The following Appendices are provided: Figures (Site Location and Fieldwork Map, Appendix A); Sampling Logs (Appendix B); Laboratory Data Tables (Appendix C); and, Laboratory Report (Appendix D).

1.1 Background and Purpose

The Site was remediated under the NYSDEC Brownfields Cleanup Program (BCP ID: C241172) from May through November, 2016, and a Final Engineering Report (FER) was issued in December 2016. The remedial action included the following components:

- Removal of two known petroleum storage tanks (both tanks were found to be intact, with no evidence of any releases);
- Excavation and removal of approximately 15,800 tons of urban fill soils for development purposes;
- Excavation and removal of approximately 670 tons of deeper petroleum-contaminated soil in the northern-central portion of the Site (defined as "Hot Spot #1"), including smear-zone and saturated soils where NAPL had been identified, and 305 tons of a distinct deeper volume of saturated soils containing elevated concentrations of arsenic and petroleum compounds;
- Application of an oxygen release compound (PermeOx® Ultra) at the base of the Hot Spot #1 excavation, in order to enhance aerobic bioremediation of any residual petroleum contamination in both soil and groundwater;
- Injection of a two-part chemical oxidant (RegenOx®) and an oxygen release compound (ORC Advanced®) at the northwestern corner of the Site, in an area of documented naphthalene contamination (defined as "Hot Spot #2"). Note: Excavation and removal of soil in this area, as specified in the RAWP, was not practical due to the depth of the planned excavation near the sidewalk, and approval was secured from NYSDEC to utilize an in situ treatment; and,

- Installation of a vapor barrier and sub-slab depressurization (SSD) system components beneath each new townhouse foundation, and sub-slab soil vapor testing to document existing conditions.

The Remedial Action Work Plan specified the installation of five groundwater monitoring wells (2MW-01 through 2MW-05) at sidewalks immediately adjoining the Site to the north and to the west, during the Site Management phase, to assess the performance and effectiveness of the remedy. No significant field evidence of contamination was observed during well installation and laboratory analysis of soils did not document elevated concentrations of petroleum compounds or arsenic.

At the NYSDEC's recommendation, groundwater monitoring will continue in compliance with the Site Management Plan (SMP). The need for any additional treatment of soil and/or groundwater will be determined in consultation with NYSDEC, based on the results of post-remediation groundwater monitoring.

1.2 Site Location and Description

The site is located in Long Island City, Queens, New York and is bounded by 45th Road and an adjoining residential apartment building to the north, 46th Avenue to the south, a commercial building to the east, and 11th Street to the west (see Site Location and Fieldwork Map).

1.3 Hydrogeology

The Site is in a relatively level urban area, with general surface elevations ranging from 10 to 15 feet above mean sea level (amsl), and gentle downward slopes to the west-northwest, toward the East River. Boundary elevations range from approximately 12 to 14.5 feet amsl. The Site was excavated to approximately 2.5 feet above the water table, to accommodate development. The original stratigraphy of the site, documented during the Remedial Investigation and during the Remedial Action, consisted of between 10 to 13 feet of unconsolidated urban fill underlain by native sands, gravel and fines, and a widespread distinct layer of peat between three and five feet in thickness over coarse sand with varying amounts of silt and gravel extending to bedrock (variable depth, elevations ranging from approximately -13 to -28 feet amsl).

Historical groundwater flow (November 2015, static depth to water measured at former on-site wells), was inferred to generally be toward the northwest (historical groundwater logging data did not indicate any significant tidal influences on Site groundwater from the East River). All wells were permanently closed at the start of construction activities. Field observations during the March 2019 sampling event (Section 2.3) documented approximate groundwater elevations of 4.8 to 6.1 feet (5.8 to 7.6 feet below grade [fbg]). Groundwater flow was inferred to be toward the north-northeast (previous observations were to the north-northwest). Well locations and the inferred direction of groundwater flow are shown on the Fieldwork Map.

2.0 GROUNDWATER MONITORING

2.1 Groundwater Sampling Protocol

WCD personnel conducted groundwater sampling at the Site on March 14, 2019 (previous monitoring was conducted in April and August, 2018, and scheduled sampling in November 2018 was not completed due to administrative matters). The following protocol was used to sample off-site monitoring wells 2MW-01 through 2MW-04. [Note: 2MW-05 could not be sampled due to active construction activities in close proximity to the well].

- All monitoring well sampling activities and observations (e.g., well integrity, etc.) were recorded in a field-book and a groundwater-sampling log. Each monitoring well casing was opened prior to sampling and the well column was immediately screened with a Mini Rae 3000 photo-ionization detector (PID) to document the presence of any volatile organic vapors.
- All wells were purged and sampled following USEPA Low-Stress methodology. Field logs are provided in Appendix B.
- All sampling was conducted using a GeoTech Geopump water quality monitoring system (set to record parameter levels at five minute intervals), dedicated polyethylene tubing and a surface-operated peristaltic pump.
- All wells were purged at a flow rate between 100 and 200 ml per minute for at least 15 minutes. Flow rate was determined using a graduated cylinder and a stopwatch.
- Field testing and recording of field parameters (dissolved oxygen [DO], pH, specific conductivity, oxidation reduction potential [ORP] and temperature) was conducted using the GeoTech Geopump.
- Sample collection occurred after the initial 15-minute period, once field parameters were observed to have stabilized (achieved when three consecutive readings were within the required parameters specified by the USEPA protocol).
- Each groundwater sample was collected in three (3) laboratory-supplied 40-ml glass vials preserved with hydrochloric acid and two (2) 1-liter glass jars.
- After sample collection, the containers were placed in a cooler (with ice packs) accompanied by proper chain of custody documentation and relinquished to a NYSDOH-certified laboratory for laboratory analysis.

2.2 Quality Assurance / Quality Control

Sampling and laboratory analysis of groundwater was implemented in accordance with the Quality Assurance Project Plan (QAPP) provided in the Site Management Plan (dated October 2017, Revised June 2018).

Implementation of the QAPP included:

- Sampling Program: Sample containers were provided by the analytical laboratory, with preservatives as warranted, and were appropriately labeled; sample holding times were in accordance with NYSDEC ASP requirements; and a field Quality Control sample (i.e., trip blank) and field duplicate sample were included as per NYSDEC ASP requirements;
- Sample Tracking and Custody: Performed as per NYSDEC ASP requirements;
- Calibration Procedures: PID and the GeoTech Geopump were calibrated immediately prior to use, following the manufacturer's standard procedures; and,
- Analytical Procedures: Samples were analyzed for VOCs (USEPA 8260C) and SVOCs (USEPA 8270B). Note: The QAPP calls for laboratory analysis of PAHs, only.

A Data Usability Summary Report (DUSR) is being prepared in accordance with NYSDEC DER-10, by a third, independent party, which maintains NYSDOH ELAP CLP Certification (the DUSR will also include a current resume for the person who prepared it).

The DUSR will contain a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and include a summary assessment of precision, accuracy, representativeness, comparability and completeness for each analytical method performed. The DUSR will be provided in the Periodic Review Report (PRR), along with an overview.

2.3 Fieldwork Observations

No non-aqueous phase liquid (NAPL) was observed at any monitoring wells. A slight petroleum odor and PID reading of 11 ppm were observed at 2MW-01 and a slight odor was observed at 2MW-04 (no other field evidence of contamination was noted during sampling activities).

2.4 Laboratory Analysis

2.4.1 Standards, Criteria and Guidance

All laboratory analytical data for groundwater are compared to Ambient Water Quality Standards (AWQS) provided in NYSDEC TOGS 1.1.1, as required by the SMP.

2.4.2 Analytical Results

Monitoring well sampling data are presented below and summarized in Tables 1 and 2, Appendix C. Laboratory data are reported below in parts per billion (ppb). The laboratory report is provided in Appendix D.

MONITORING WELL 2MW-01

Total VOCs were reported at approximately 6 ppb, compared to 57 ppb (April 2018) and 35 ppb (August 2018). No analytes were detected above AWQS. Significant reductions were reported for methylcyclohexane and cyclohexane, which previously accounted for the bulk of total VOCs. Total BTEX and total chlorinated VOCs (CVOCs) were non-detect. Total SVOCs were reported at less than 1 ppb, consistent with all earlier sampling rounds, with no analytes detected above AWQS. Detected analytes included trace levels of four PAHs having high AWQS values.

MONITORING WELL 2MW-02/DUPLICATE SAMPLE DUP-20190314

Total VOCs were reported at approximately 12 ppb, showing a decreasing trend compared to 15 ppb and 19 ppb reported in early rounds. No analytes were detected above AWQS. Total BTEX ranged from 1.7 to 2.2 ppb and total CVOCs were non-detect. Total SVOCs ranged from approximately 1.8 to 2 ppb, with elevated concentrations of several PAHs having very low AWQS values (previous total SVOCs were reported at 0.24 ppb and no SVOCs were detected during the first round of sampling). Results from the sample and the duplicate sample collected at this well were generally consistent.

MONITORING WELL 2MW-03

Total VOCs were reported at approximately 6.9 ppb, rebounding somewhat compared to 2.7 ppb and 7.6 ppb reported in early rounds. No analytes were detected above AWQS. Total petroleum/BTEX and CVOCs were non-detect. Similarly to VOCS, total SVOCs were reported at 1.08 ppb, rebounding somewhat compared to 0.27 ppb and 2.71 ppb reported in early rounds. Total SVOCs were primarily comprised of a low level of bis(2-ethylhexyl)phthalate (0.96 ppb).

MONITORING WELL 2MW-04

Total VOCs were reported at approximately 2.5 ppb, consistent with both earlier rounds. VOCs were comprised exclusively of low levels of methyl acetate and tert-butyl alcohol (TBA). No analytes were detected above AWQS. Total SVOCs were reported at 1.17 ppb, showing a decreasing trend compared to 2.98 ppb and 4.55 ppb reported in early rounds. No analytes were detected above AWQS. Detected analytes included trace levels of three PAHs having high AWQS values.

MONITORING WELL 2MW-05

Monitoring well 2MW-05 was not accessible during the March 2019 sampling round. Total VOCs (almost entirely attributed to methylcyclohexane) were previously reported at approximately 53 ppb, a significant decrease compared to 137 ppb detected during the first round of sampling (no analytes were detected above AWQS). Total SVOCs had been reported at low levels, only.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The third round of quarterly groundwater sampling has been performed at the GDC-LIC Development Site (BCP ID: C241172), in conformance with the NYSDEC-approved SMP (the sampling round scheduled for November 2018 was not completed). Groundwater at the Site was previously shown to have been impacted by organic compounds associated with an on-site petroleum release, as well as by low levels of several other VOCs and PAHs, which were attributed to the presence of poor-quality fill materials. Significantly elevated levels of total and dissolved arsenic were found in the central portion of the property (associated with high levels in soil), and low-grade contamination by other metals (from fill or representative of local-area groundwater quality) were found throughout the Site. WCD conducted sampling at five monitoring wells, installed at upgradient and cross-gradient sidewalk areas, in order to document current water quality and the effectiveness of the remedial action.

Groundwater monitoring data indicate the following:

- VOCs were not found at any well at concentrations above AWQS, consistent with previous sampling data (one compound, chloroform, was found at an elevated level of 14 ppb at 2MW-02 in April 2018. Wells 2MW-03 and 2MW-04, generally downgradient from former Hot Spot locations, continue to show no detectable concentrations of petroleum compounds.
- Low-grade contamination by cyclohexanes (AWQS not established) previously reported at 2MW-01 has significantly decreased and previous data from 2MW-05 showed a similar trend (these wells are respectively located cross-gradient and somewhat cross-gradient from the areas of soil remediation and in situ treatment).
- Contamination by PAHs (slightly elevated levels at 2MW-02, and low-grade impacts at all other wells) may be related to contamination originating at the Site and/or from an off-site source. Contamination by PAHs is not present at levels warranting a response action, and is consistent with contributions from both urban fill materials and likely poor-quality regional groundwater conditions.

WCD recommends that quarterly groundwater sampling be continued in accordance with the Site Management Plan. SVOC analytes should include PAHs, only, as specified in the QAPP.

APPENDIX A

Figures

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Site Location Map

45-35 11th Street and 11-22 45th Road
Queens, New York

Legend:

subject property border

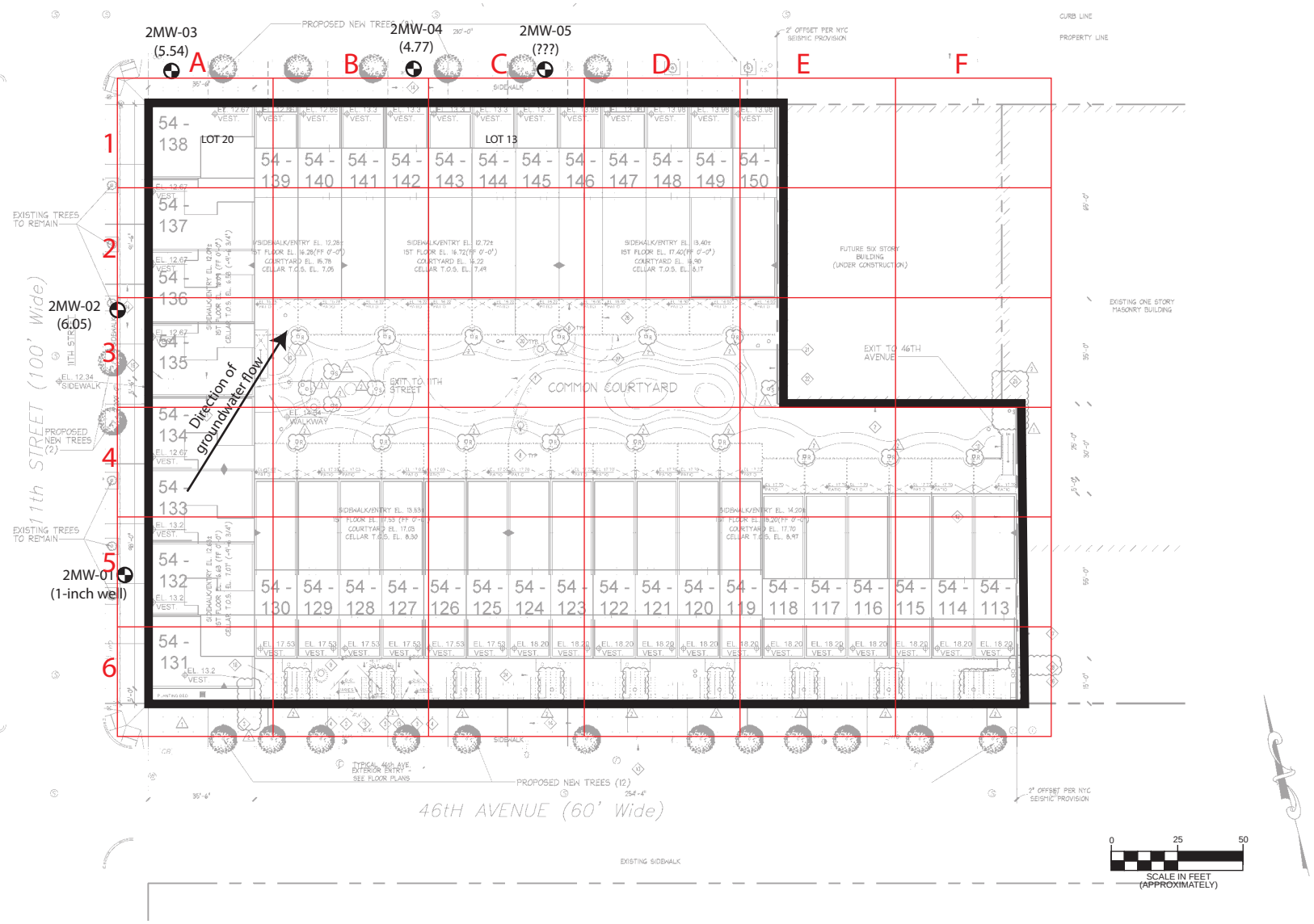
0 250 500

SCALE IN FEET
(APPROXIMATELY)

WCD File: GQ14076.50

April 2019

Appendix A



Base map provided by Perkin Eastman dated September 9, 2014. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Fieldwork Map

GDC LIC Development
NYSDEC BCP Site: C241172
45-35 11th Street and 11-22 45th Road
Queens, New York

Legend:

- subject property border
- monitoring well location

WCD File: GQ14076.50

April 2019

Scale as shown

Appendix A

APPENDIX B

Sampling Logs

GROUNDWATER MONITORING WELL PURGE DATA SHEET

WCD GROUP *For pivotal matters.*

Project Name: LIC
WCD ID: GQ140767.53
Date: 3/14/19
Field Personnel: V. Panico + E. Salazar
Weather: Sunny 40's F

Well ID: 2MW-01
PID Reading: 11.0
Depth of well: 17.98
Depth to water: 6.39
Pump type:

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
11:10	8:02	7.20	-70	2.27	439	1.03	6.39	65	
11:15	7.78	7.16	-81	2.30	363	0.65	6.40		
11:20	7.74	7.15	-87	2.30	273	0.41	6.40		
11:25	7.54	7.14	-91	2.29	220	0.36	6.41		
11:30	7.43	7.14	-95	2.24	184	0.10	"		
11:35	7.40	7.14	-97	2.22	158	0.08	6.41		
11:40	7.38	7.13	-100	2.17	120	0.11	"		
11:45	7.37	7.13	-100	2.18	102	0.10	"		
11:50	7.35	7.14	-101	2.16	81.2	0.08	"		
11:55	7.30	7.14	-102	2.15	67.3	0.08	"		
12:00	7.34	7.14	-103	2.13	52.3	0.08	"		
12:05	7.29	7.14	-103	2.11	36.4	0.09	6.42		
12:10	7.24	7.14	-104	2.10	28.3	0.07	6.42		
12:15	7.28	7.14	-104	2.09	23.3	0.06	"		

*** STABILIZATION CRITERIA***

Temp +/- 3% | pH +/- 0.1 | ORP +/- 10 | Spec Cond +/- 3% | Turb +/- 10% | DO +/- 10%

PURGED WATER DETAILS

Start/End time: 10:48 / 12:15
Total purge time:
Total volume:
Purge rate:

CHARACTERISTICS:
Odor: none | slight | moderate | strong
Sheen: none | slight | moderate | strong
L/DNAPL: Yes | No L/DNAPL thickness (in.):

NOTES:
Sample start/end time:
12:15/12:33

GROUNDWATER MONITORING WELL PURGE DATA SHEET

WCD GROUP *For pivotal matters.*

Project Name: LiC GDC
WCD ID: GQ 141076.53
Date: 3/14/14
Field Personnel: ES/VP
Weather: Sunny 40's F

Well ID: 2MW-02
PID Reading: 2.5 ppm
Depth of well: 15.97'
Depth to water: 5.84'
Pump type: Peristaltic

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
11:40	7.77	7.92	-74	1.01	37.7	4.14		120	
11:43	7.71	7.92	-81	1.01	37.2	2.88		↓	
11:46	7.61	7.92	-89	1.01	36.4	1.52	5.99'	70	lowered rate to 2.4
11:49	7.45	7.90	-101	1.01	36.2	0.55		↓	
11:52	7.24	7.98	-111	1.01	35.9	0.25		↓	
11:55	7.18	8.02	-116	1.01	36.2	0.13			
11:58	7.13	8.02	-118	1.01	36.9	0.11			
12:01	7.12	8.02	-119	1.01	35.7	0.11			SAMPLE
									until 12:20

*** STABILIZATION CRITERIA***

Temp +/- 3% | pH +/- 0.1 | ORP +/- 10 | Spec Cond +/- 3% | Turb +/- 10% | DO +/- 10%

PURGED WATER DETAILS

Start/End time: 11:05 / 11:35
Total purge time: 30 min
Total volume: 3.6 L
Purge rate: 120 ml/min

CHARACTERISTICS:

Odor: (none) | slight | moderate | strong
Sheen: (none) | slight | moderate | strong
L/DNAPL: Yes / (No) L/DNAPL thickness (in.):_____

NOTES:

Duplicate Sample 12:30 - 12:45

Purge water clear, some sediment initially

GROUNDWATER MONITORING WELL PURGE DATA SHEET

WCD GROUP *For pivotal matters.*

Project Name: LIC GDC
WCD ID: GQ1407G.53
Date: 3/14/2019
Field Personnel: V. Panico
Weather:

Well ID: 2MW-03
PID Reading: 0.5
Depth of well: 17.11
Depth to water: 6.21
Pump type:

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
13:35	6.88	7.62	-40	0.885	99.8	0.91	6.22		
13:40	6.89	7.45	-38	0.885	96.5	0.67	"		
13:45	6.64	7.42	-35	0.880	88.1	0.35	"		
13:50	6.62	7.41	-35	0.865	77.5	0.26	6.23		
13:55	6.58	7.41	-37	0.852	69.9	0.23	"		
14:00 ~~13:4~~	6.52	7.41	-40	0.847	58.1	0.21	"		
14:05	6.60	7.40	-42	0.841	53.0	0.19	"		
14:10	6.65	7.39	-43	0.835	49.6	0.23	"		
14:13 ~~14:15~~	6.68	7.39	-43	0.833	46.0	0.17	"		
14:16	6.67	7.38	-44	0.832	45.8	0.14	"		
14:19	6.67	7.38	-44	0.831	43.5	0.09	"		
14:22	6.68	7.38	-44	0.831	42.2	0.10	"		

*** STABILIZATION CRITERIA***

Temp +/- 3% | pH +/- 0.1 | ORP +/- 10 | Spec Cond +/- 3% | Turb +/- 10% | DO +/- 10%

PURGED WATER DETAILS

Start/End time: 13:15 / 14:23
Total purge time:
Total volume:
Purge rate:

CHARACTERISTICS:

Odor: (none) | slight | moderate | strong
Sheen: (none) | slight | moderate | strong
L/DNAPL: Yes | (No) L/DNAPL thickness (in.):

NOTES:

Sample start/end time:
14:23 / 14:37

GROUNDWATER MONITORING WELL PURGE DATA SHEET

WCD GROUP *For pivotal matters.*

Project Name: LC
WCD ID: GQ
Date: 3/14/19
Field Personnel: ES / JP
Weather: Sunny 40°F s

Well ID: LMW-04
PID Reading: 0.0
Depth of well: 14.96'
Depth to water: 7.61'
Pump type:

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
1411	6.67	6.94	3	0.819	63.8	8.45	7.77	70mL/min	
1414	6.64	6.92	5	0.823	63.5	3.35			
1417	6.63	6.92	4	0.826	60.6	1.99			
1420	6.57	6.91	-2	0.829	68.2	2.04			
1423	6.56	6.91	-4	0.827	91.0	1.89			
1426	6.53	6.92	-7	0.822	82.1	1.76			
1429	6.51	6.92	-8	0.822	72.5	1.74			
1432	6.47	6.94	-9	0.826	69.4	1.84			
1435	6.45	6.94	-10	0.826	65.8	1.86	6.79		Sample until 14:58

*** STABILIZATION CRITERIA***

Temp +/- 3% pH +/- 0.1 ORP +/- 10 Spec Cond +/- 3% Turb +/- 10% DO +/- 10%

PURGED WATER DETAILS

Start/End time: 13:35 / 14:10
Total purge time:
Total volume: 3.6 L
Purge rate: Dial 3.46 = 120 ml/min

CHARACTERISTICS: sewage / garbage
Odor: none | slight | moderate | strong
Sheen: none | slight | moderate | strong
L/DNAPL: Yes / No L/DNAPL thickness (in.):

NOTES:

Water slightly brown at first clear after ~10 min

APPENDIX C

Data Summary Tables

Table 1: VOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-01 20180402**		**2MW-01 20180802**		**2MW-01 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.52		0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.55		0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	2.5	*B*	6.5		1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	14		7.2		1.52	
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	36		18		2.57	
methylene chloride	5	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	3.6		1.2		0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	1.6		2.23	*J*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	3.6		1.2	*J*	0.6	*U*
TOTAL chlorinated compounds		**Not Detected**		**Not Detected**		**Not Detected**	
TOTAL petroleum compounds		**55**		**26**		**4.1**	
TOTAL BTEX		**3.6**		**1.2**		Not Detected	
TOTAL VOCs		**57**		**35**		**6.3**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-02 20180402**		**2MW-02 20180802**		**2MW-02 20190314**		**DUP-20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		2	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	2.81		3.09	
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	1.62		1.82	
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.82		0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1	*U*	14		1.05	*J*	2.07	
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	1.4		0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	**14**		3.8		0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.23	*J*	0.33	*J*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.85		0.96	
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.84	*J*	0.94	*J*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	1.1		3.57		2.95	
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.29	*J*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	1.69		1.9	
TOTAL chlorinated compounds		**15**		**3.8**		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		**6.4**		**7.4**	
TOTAL BTEX		Not Detected		Not Detected		**1.7**		**2.2**	
TOTAL VOCs		**15**		**19**		**12**		**12**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-03 20180402**		**2MW-03 20180802**		**2MW-03 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.95	
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	7.6	*B*	1.2	*J*	1.66	*J*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	0.74	
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	1.5		3.51	
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		Not Detected		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		**7.6**		**2.7**		**6.9**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-04 20180402**		**2MW-04 20180802**		**2MW-04 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*
acetone	50	1.5	*JB*	1.1	*J*	1	*U*
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*J*	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*	1.09	
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	1.4		1.45	*J*
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected	
TOTAL petroleum compounds		**0.2**		Not Detected		Not Detected	
TOTAL BTEX		Not Detected		Not Detected		Not Detected	
TOTAL VOCs		**1.7**		**2.5**		**2.5**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater

NYSDEC Site ID: C241172

WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-05 20180402**		**2MW-05 20180802**		**DUP-20180802**		**2MW-05**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1			
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,1-dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2,4-trimethylbenzene	5	0.53		0.2	*U*	0.2	*U*	*No Data*	
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2-dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,2-dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,3,5-trimethylbenzene	5	0.76		0.3	*J*	0.33	*J*	*No Data*	
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
1,4-dioxane	NA	40	*U*	40	*U*	40	*U*	*No Data*	
2-butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
4-methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
acetone	50	2	*JB*	1	*U*	1.6	*J*	*No Data*	
acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
ethyl benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
isopropylbenzene	5	2.1		0.52		0.52		*No Data*	
methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
methylcyclohexane	NA	130		52		48		*No Data*	
methylene chloride	5	1	*U*	1	*U*	1	*U*	*No Data*	
n-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
n-propylbenzene	5	1.1		0.32	*J*	0.35	*J*	*No Data*	
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*	0.5	*U*	*No Data*	
p-isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
sec-butylbenzene	5	0.33	*J*	0.2	*U*	0.2	*U*	*No Data*	
styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	*No Data*	
tert-butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	*No Data*	
xylenes, total	5	0.6	*U*	0.6	*U*	0.6	*U*	*No Data*	
TOTAL chlorinated compounds		Not Detected		Not Detected		Not Detected		**No Data**	
TOTAL petroleum compounds		**133**		**53**		**49**		**No Data**	
TOTAL BTEX		Not Detected		Not Detected		Not Detected		**No Data**	
TOTAL VOCs		**137**		**53**		**51**		**No Data**	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**TB-20180802**		**TB-20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	0.2	*U*	0.2	*U*
1,1,1-trichloroethane	5	0.2	*U*	0.2	*U*
1,1,2,2-tetrachloroethane	5	0.2	*U*	0.2	*U*
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*
1,1,2-trichloroethane	1	0.2	*U*	0.2	*U*
1,1-dichloroethane	5	0.2	*U*	0.2	*U*
1,1-dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*
1,2,3-trichlorobenzene	5	0.2	*U*	0.2	*U*
1,2,3-trichloropropane	0.04	0.2	*U*	0.2	*U*
1,2,4-trichlorobenzene	5	0.2	*U*	0.2	*U*
1,2,4-trimethylbenzene	5	0.2	*U*	0.2	*U*
1,2-dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*
1,2-dibromoethane	5	0.2	*U*	0.2	*U*
1,2-dichlorobenzene	3	0.2	*U*	0.2	*U*
1,2-dichloroethane	0.6	0.2	*U*	0.2	*U*
1,2-dichloropropane	1	0.2	*U*	0.2	*U*
1,3,5-trimethylbenzene	5	0.2	*U*	0.2	*U*
1,3-dichlorobenzene	3	0.2	*U*	0.2	*U*
1,4-dichlorobenzene	3	0.2	*U*	0.2	*U*
1,4-dioxane	NA	40	*U*	40	*U*
2-butanone (MEK)	50	0.27	*J*	0.2	*U*
2-hexanone (MBK)	50	0.2	*U*	0.2	*U*
4-methyl-2-pentanone	NA	0.28	*J*	0.2	*U*
acetone	50	3.6		1	*U*
acrolein	5	0.2	*U*	0.2	*U*
acrylonitrile	5	0.2	*U*	0.2	*U*
benzene	1	0.2	*U*	0.2	*U*
bromochloromethane	5	0.2	*U*	0.2	*U*
bromodichloromethane	50	0.2	*U*	0.2	*U*
bromoform	50	0.2	*U*	0.2	*U*
bromomethane	5	0.2	*U*	0.2	*U*
carbon disulfide	NA	0.2	*U*	0.2	*U*
carbon tetrachloride	5	0.2	*U*	0.2	*U*
chlorobenzene	5	0.2	*U*	0.2	*U*
chloroethane	5	0.2	*U*	0.2	*U*
chloroform	7	0.22	*J*	0.2	*U*
chloromethane	5	0.2	*U*	0.2	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*
cis-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*
cyclohexane	NA	0.2	*U*	0.2	*U*
dibromochloromethane	5	0.2	*U*	0.2	*U*
dibromomethane	5	0.2	*U*	0.2	*U*
dichlorodifluoromethane	5	0.2	*U*	0.2	*U*
ethyl benzene	5	0.2	*U*	0.2	*U*
hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*
isopropylbenzene	5	0.2	*U*	0.2	*U*
methyl acetate	NA	0.2	*U*	0.2	*U*
methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*
methylcyclohexane	NA	0.2	*U*	0.2	*U*
methylene chloride	5	1	*U*	1	*U*
n-butylbenzene	5	0.2	*U*	0.2	*U*
n-propylbenzene	5	0.2	*U*	0.2	*U*
o-xylene (included in total xylenes)	5	0.2	*U*	0.2	*U*
p- & m- xylenes (included in total xylenes)	5	0.5	*U*	0.5	*U*
p-isopropyltoluene	5	0.2	*U*	0.2	*U*
sec-butylbenzene	5	0.2	*U*	0.2	*U*
styrene	5	0.2	*U*	0.2	*U*
tert-butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*
tert-butylbenzene	5	0.2	*U*	0.2	*U*
tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*
toluene	5	0.24	*J*	0.2	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*
trans-1,3-dichloropropylene	0.4	0.2	*U*	0.2	*U*
trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*
trichlorofluoromethane	5	0.2	*U*	0.2	*U*
vinyl chloride (VC)	2	0.2	*U*	0.2	*U*
xylenes, total	5	0.6	*U*	0.6	*U*
TOTAL chlorinated compounds		0.2		**Not Detected**	
TOTAL petroleum compounds		**0.2**		**Not Detected**	
TOTAL BTEX		0.2		**Not Detected**	
TOTAL VOCs		**4.6**		**Not Detected**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-01 20180402**		**2MW-01 20180802**		**2MW-01 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.56	*U*
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.56	*U*
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.56	*U*
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.56	*U*
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4-nitrophenol	5	2.56	*U*	2.5	*U*	5.13	*U*
acenaphthene	20	0.338		0.42		0.626	
acenaphthylene	NA	0.0513	*U*	0.05		0.0513	*U*
acetophenone	NA	2.56	*U*	2.5	*U*	2.56	*U*
aniline	5	2.56	*U*	2.5	*U*	2.56	*U*
anthracene	50	0.0718		0.05	*U*	0.113	
atrazine	7.5	0.513	*U*	0.5	*U*	0.513	*U*
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.56	*U*
benzidine	5	10.3	*U*	10	*U*	5.13	*U*
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzoic acid	NA	25.6	*U*	25	*U*	25.6	*U*
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.56	*U*
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	1.03	*U*
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.5	*U*	0.513	*U*
caprolactam	NA	2.56	*U*	2.5	*U*	2.56	*U*
carbazole	NA	2.56	*U*	2.5	*U*	2.56	*U*
chrysene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.56	*U*
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
fluoranthene	50	0.0513	*U*	0.05	*U*	0.0513	*U*
fluorene	50	0.0615		0.1		0.0923	
hexachlorobenzene	0.04	0.0205	*U*	0.02		0.0205	*U*
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.513	*U*
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	5.13	*U*
hexachloroethane	5	0.513	*U*	0.5	*U*	0.513	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
isophorone	50	2.56	*U*	2.5	*U*	2.56	*U*
naphthalene	10	0.113		0.05	*U*	0.0513	*U*
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.256	*U*
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.513	*U*
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.56	*U*
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.56	*U*
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.256	*U*
phenanthrene	50	0.0615		0.08		0.0923	
phenol	1	2.56	*U*	2.5	*U*	2.56	*U*
pyrene	50	0.0513	*U*	0.05	*U*	0.0513	*U*
	TOTAL SVOCs	**0.65**		**0.67**		**0.92**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-02 20180402**		**2MW-02 20180802**		**2MW-02 20190314**		**DUP-20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
4-nitrophenol	5	2.56	*U*	2.5	*U*	5.41	*U*	5.56	*U*
acenaphthene	20	0.0513	*U*	0.09		0.108		0.133	
acenaphthylene	NA	0.0513	*U*	0.05	*U*	0.0541	*U*	0.0556	*U*
acetophenone	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
aniline	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
anthracene	50	0.0513	*U*	0.05	*U*	0.0541	*U*	0.0556	*U*
atrazine	7.5	0.513	*U*	0.5	*U*	0.541	*U*	0.556	*U*
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
benzidine	5	10.3	*U*	10	*U*	5.41	*U*	5.56	*U*
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	**0.0865**		**0.0667**	
benzo(a)pyrene	ND	0.0513	*U*	0.05	*U*	0.0865		0.0556	
benzo(b)fluoranthene	0.002	0.0513	*U*	0.05	*U*	**0.0865**		**0.0556**	
benzo(g,h,i)perylene	NA	0.0513	*U*	0.05	*U*	0.0649		0.0556	
benzo(k)fluoranthene	0.002	0.0513	*U*	0.05	*U*	**0.0757**		0.0556	*U*
benzoic acid	NA	25.6	*U*	25	*U*	27	*U*	27.8	*U*
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	1.08	*U*	1.11	*U*
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.5	*U*	1.06		1.07	
caprolactam	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
carbazole	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
chrysene	0.002	0.0513	*U*	0.05	*U*	**0.0865**		**0.0556**	
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.0541	*U*	0.0556	*U*
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
fluoranthene	50	0.0513	*U*	0.05	*U*	0.195		0.144	
fluorene	50	0.0513	*U*	0.05	*U*	0.0541	*U*	0.0556	*U*
hexachlorobenzene	0.04	0.0205	*U*	0.02	*U*	0.0216	*U*	0.0222	*U*
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.541	*U*	0.556	*U*
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	5.41	*U*	5.56	*U*
hexachloroethane	5	0.513	*U*	0.5	*U*	0.541	*U*	0.556	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	**0.0541**		0.0556	*U*
isophorone	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
naphthalene	10	0.0513	*U*	0.15		0.0541	*U*	0.0556	*U*
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.27	*U*	0.278	*U*
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.541	*U*	0.556	*U*
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.27	*U*	0.278	*U*
phenanthrene	50	0.0513	*U*	0.05	*U*	0.0865		0.0778	
phenol	1	2.56	*U*	2.5	*U*	2.7	*U*	2.78	*U*
pyrene	50	0.0513	*U*	0.05	*U*	0.162		0.122	
	TOTAL SVOCs	Not Detected		**0.24**		**2.15**		**1.84**	

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater

NYSDEC Site ID: C241172

WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-03 20180402**		**2MW-03 20180802**		**2MW-03 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.56	*U*
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.56	*U*
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.56	*U*
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.56	*U*
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4-nitrophenol	5	2.56	*U*	2.5	*U*	5.13	*U*
acenaphthene	20	0.369		0.27		0.0513	
acenaphthylene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*
acetophenone	NA	2.56	*U*	2.5	*U*	2.56	*U*
aniline	5	2.56	*U*	2.5	*U*	2.56	*U*
anthracene	50	0.0513		0.05	*U*	0.0513	*U*
atrazine	7.5	0.513	*U*	0.5	*U*	0.513	*U*
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.56	*U*
benzidine	5	10.3	*U*	10	*U*	5.13	*U*
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513		0.05	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	**0.0615**		0.05	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513		0.05	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	**0.0513**		0.05	*U*	0.0513	*U*
benzoic acid	NA	25.6	*U*	25	*U*	25.6	*U*
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.56	*U*
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	1.03	*U*
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-ethylhexyl)phthalate	5	1.76		0.5	*U*	0.964	
caprolactam	NA	2.56	*U*	2.5	*U*	2.56	*U*
carbazole	NA	2.56	*U*	2.5	*U*	2.56	*U*
chrysene	0.002	**0.0615**		0.05	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.56	*U*
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
fluoranthene	50	0.103		0.05	*U*	0.0615	
fluorene	50	0.0513	*U*	0.05	*U*	0.0513	*U*
hexachlorobenzene	0.04	0.0205	*U*	0.02	*U*	0.0205	*U*
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.513	*U*
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	5.13	*U*
hexachloroethane	5	0.513	*U*	0.5	*U*	0.513	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
isophorone	50	2.56	*U*	2.5	*U*	2.56	*U*
naphthalene	10	0.0513	*U*	0.05	*U*	0.0513	*U*
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.256	*U*
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.513	*U*
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.56	*U*
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.56	*U*
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.256	*U*
phenanthrene	50	0.0821		0.05	*U*	0.0513	*U*
phenol	1	2.56	*U*	2.5	*U*	2.56	*U*
pyrene	50	0.0718		0.05	*U*	0.0513	*U*
	TOTAL SVOCs	**2.71**		**0.27**		**1.08**	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater

NYSDEC Site ID: C241172

WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-04 20180402**		**2MW-04 20180802**		**2MW-04 20190314**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.56	*U*
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.56	*U*
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.56	*U*
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.56	*U*
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.56	*U*
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.56	*U*
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.56	*U*
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.56	*U*
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.56	*U*
4-nitrophenol	5	2.56	*U*	2.5	*U*	2.56	*U*
acenaphthene	20	4.36		2.91		0.615	
acenaphthylene	NA	0.0821		0.05	*U*	0.0513	*U*
acetophenone	NA	2.56	*U*	2.5	*U*	2.56	*U*
aniline	5	2.56	*U*	2.5	*U*	2.56	*U*
anthracene	50	0.0513	*U*	0.07		0.236	
atrazine	7.5	0.513	*U*	0.5	*U*	0.513	*U*
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.56	*U*
benzidine	5	10.3	*U*	10	*U*	10.3	*U*
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(a)pyrene	ND	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(b)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(g,h,i)perylene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*
benzo(k)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
benzoic acid	NA	25.6	*U*	25	*U*	25.6	*U*
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.56	*U*
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.56	*U*
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.5	*U*	0.513	*U*
caprolactam	NA	2.56	*U*	2.5	*U*	2.56	*U*
carbazole	NA	2.56	*U*	2.5	*U*	2.56	*U*
chrysene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.0513	*U*
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.56	*U*
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.56	*U*
fluoranthene	50	0.0513	*U*	0.05	*U*	0.0513	*U*
fluorene	50	0.0513	*U*	0.05	*U*	0.0513	*U*
hexachlorobenzene	0.04	0.0205	*U*	0.02	*U*	0.0205	*U*
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.513	*U*
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	2.56	*U*
hexachloroethane	5	0.513	*U*	0.5	*U*	0.513	*U*
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.0513	*U*
isophorone	50	2.56	*U*	2.5	*U*	2.56	*U*
naphthalene	10	0.0513	*U*	0.05	*U*	0.318	
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.256	*U*
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.513	*U*
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.56	*U*
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.56	*U*
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.256	*U*
phenanthrene	50	0.103		0.05	*U*	0.0513	*U*
phenol	1	2.56	*U*	2.5	*U*	2.56	*U*
pyrene	50	0.0513	*U*	0.05	*U*	0.0513	*U*
	TOTAL SVOCs	**4.55**		**2.98**		**1.17**	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Groundwater
NYSDEC Site ID: C241172
WCD File: GQ14076

All data in µg/L (parts per billion, ppb)	**Sample ID**	**2MW-05 20180402**		**2MW-05 20180802**		**DUP-20180802**		**2MW-05**	
U= Not Detected ≥ indicated value	Sample Date	(2018-04-02)		(2018-08-02)		(2018-08-02)		(2019-03-14)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1			
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*		
1,1'-biphenyl	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
1,2,4,5-tetrachlorobenzene	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
1,2,4-trichlorobenzene	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
1,2-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
1,2-diphenylhydrazine (azobenzene)	ND	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
1,3-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
1,4-dichlorobenzene	3	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,3,4,6-tetrachlorophenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,4,5-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,4,6-trichlorophenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,4-dichlorophenol	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,4-dimethylphenol	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,4-dinitrophenol	10	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,4-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2,6-dinitrotoluene	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2-chloronaphthalene	10	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2-chlorophenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2-methylnaphthalene	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2-methylphenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2-nitroaniline	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
2-nitrophenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
3- & 4-methylphenols	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
3,3'-dichlorobenzidine	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
3-nitroaniline	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4,6-dinitro-2-methylphenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4-bromophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4-chloro-3-methylphenol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4-chloroaniline	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4-chlorophenyl phenyl ether	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4-nitroaniline	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
4-nitrophenol	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
acenaphthene	20	0.615		0.42		0.56		*No Data*	
acenaphthylene	NA	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
acetophenone	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
aniline	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
anthracene	50	0.236		0.09		0.09		*No Data*	
atrazine	7.5	0.513	*U*	0.5	*U*	0.5	*U*	*No Data*	
benzaldehyde	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
benzidine	5	10.3	*U*	10	*U*	10	*U*	*No Data*	
benzo(a)anthracene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
benzo(a)pyrene	ND	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
benzo(b)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
benzo(g,h,i)perylene	NA	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
benzo(k)fluoranthene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
benzoic acid	NA	25.6	*U*	25	*U*	25	*U*	*No Data*	
benzyl alcohol	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
benzyl butyl phthalate	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
bis(2-chloroethoxy)methane	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
bis(2-chloroethyl)ether	1	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.5	*U*	0.5	*U*	*No Data*	
caprolactam	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
carbazole	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
chrysene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
dibenzo(a,h)anthracene	NA	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
dibenzofuran	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
diethyl phthalate	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
dimethyl phthalate	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
di-n-butyl phthalate	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
di-n-octyl phthalate	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
fluoranthene	50	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
fluorene	50	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
hexachlorobenzene	0.04	0.0205	*U*	0.02	*U*	0.02	*U*	*No Data*	
hexachlorobutadiene	0.5	0.513	*U*	0.5	*U*	0.5	*U*	*No Data*	
hexachlorocyclopentadiene	5	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
hexachloroethane	5	0.513	*U*	0.5	*U*	0.5	*U*	*No Data*	
indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
isophorone	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
naphthalene	10	0.318		2.65		3.42		*No Data*	
nitrobenzene	0.4	0.256	*U*	0.25	*U*	0.25	*U*	*No Data*	
n-nitrosodimethylamine	50	0.513	*U*	0.5	*U*	0.5	*U*	*No Data*	
n-nitroso-di-n-propylamine	NA	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
n-nitrosodiphenylamine	50	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
pentachlorophenol	1	0.256	*U*	0.25	*U*	0.25	*U*	*No Data*	
phenanthrene	50	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
phenol	1	2.56	*U*	2.5	*U*	2.5	*U*	*No Data*	
pyrene	50	0.0513	*U*	0.05	*U*	0.05	*U*	*No Data*	
	TOTAL SVOCs	**1.17**		**3.16**		**4.07**			

Detected concentrations
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

APPENDIX D

Laboratory Report

Technical Report

prepared for:

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Scott Spitzer

Report Date: 04/09/2019
Client Project ID: GQ14076
York Project (SDG) No.: 19C0621

Revision No. 1.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/09/2019
Client Project ID: GQ14076
York Project (SDG) No.: 19C0621

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Scott Spitzer

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 15, 2019 and listed below. The project was identified as your project: **GQ14076**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19C0621-01	2MW-01 20190314	Water	03/14/2019	03/15/2019
19C0621-02	2MW-02 20190314	Water	03/14/2019	03/15/2019
19C0621-03	2MW-03 20190314	Water	03/14/2019	03/15/2019
19C0621-04	2MW-04 20190314	Water	03/14/2019	03/15/2019
19C0621-05	DUP-20190314	Water	03/14/2019	03/15/2019
19C0621-06	TB-20190314	Water	03/14/2019	03/15/2019

General Notes for York Project (SDG) No.: 19C0621

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/09/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
110-82-7	**Cyclohexane**	**1.52**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 00:20 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
108-87-2	**Methylcyclohexane**	**2.57**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/27/2019 00:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/27/2019 00:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
75-65-0	**tert-Butyl alcohol (TBA)**	**2.23**	CCV-E, SCAL-E	ug/L	0.500	2.50	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/27/2019 00:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*127 %*	S-HI		*79-122*						

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 10:27	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 10:27	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 10:27	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:27	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*42.0 %*	*15-110*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*21.8 %*	*15-110*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*80.5 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.9 %*	*30-130*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*93.8 %*	*15-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.7 %*	*30-130*

Semi-Volatile Organics, 8270 - Comprehensive (SIM)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.626**		ug/L	0.0513	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 11:22	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 11:22	OW
120-12-7	**Anthracene**	**0.113**		ug/L	0.0513	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 11:22	OW
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP	03/25/2019 11:22	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 11:22	OW

Sample Information

Client Sample ID: 2MW-01 20190314 **York Sample ID:** 19C0621-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive (SIM) **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
86-73-7	**Fluorene**	**0.0923**		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:22	OW
85-01-8	**Phenanthrene**	**0.0923**		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:22	OW

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Sample Information

Client Sample ID: **2MW-02 20190314** **York Sample ID:** **19C0621-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
95-63-6	**1,2,4-Trimethylbenzene**	**2.81**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
108-67-8	**1,3,5-Trimethylbenzene**	**1.62**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
78-93-3	**2-Butanone**	**0.820**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**1.05**	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 00:52	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
103-65-1	**n-Propylbenzene**	**0.230**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
95-47-6	**o-Xylene**	**0.850**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/27/2019 00:52	SS
179601-23-1	**p- & m- Xylenes**	**0.840**		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/27/2019 00:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
75-65-0	**tert-Butyl alcohol (TBA)**	**3.57**	CCV-E, SCAL-E	ug/L	0.500	2.50	1	EPA 8260C Certifications:	03/26/2019 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 00:52	SS
1330-20-7	**Xylenes, Total**	**1.69**		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/26/2019 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/27/2019 00:52	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*115 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*81-117*

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*			*79-122*						

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 10:59	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 10:59	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 10:59	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 10:59	SR

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 NELAC-NY10854,NJDEP,PADEP	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 10:59	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*44.4 %*	*15-110*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*25.6 %*	*15-110*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*91.6 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*85.5 %*	*30-130*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*105 %*	*15-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*102 %*	*30-130*

Semi-Volatile Organics, 8270 - Comprehensive (SIM)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.108**		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:54	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:54	OW
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:54	OW
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 11:54	OW
56-55-3	**Benzo(a)anthracene**	**0.0865**		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:54	OW
50-32-8	**Benzo(a)pyrene**	**0.0865**		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 11:54	OW

Sample Information

Client Sample ID: 2MW-02 20190314 **York Sample ID:** 19C0621-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive (SIM) **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	**Benzo(b)fluoranthene**	**0.0865**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**0.0649**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.0757**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1.06**		ug/L	0.541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	**Chrysene**	**0.0865**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.195**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0541**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**0.0865**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.162**		ug/L	0.0541	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 11:54	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.950**		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**1.66**	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	**Methyl acetate**	**0.740**		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	**tert-Butyl alcohol (TBA)**	**3.51**	CCV-E, SCAL-E	ug/L	0.500	2.50	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/26/2019 12:30	03/27/2019 01:23	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*113 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*81-117*

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*123 %*	S-HI		*79-122*						

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 11:31	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 11:31	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 11:31	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 11:31	SR

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 NELAC-NY10854,NJDEP,PADEP	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 11:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 11:31	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.3 %*	*15-110*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*21.5 %*	*15-110*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.8 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.4 %*	*30-130*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*93.6 %*	*15-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*85.9 %*	*30-130*

Semi-Volatile Organics, 8270 - Comprehensive (SIM)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.0513**		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW

Sample Information

Client Sample ID: 2MW-03 20190314 **York Sample ID:** 19C0621-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive (SIM) **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.964**		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
206-44-0	**Fluoranthene**	**0.0615**		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:26	OW
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:26	OW

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-20-9	**Methyl acetate**	**1.09**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-65-0	**tert-Butyl alcohol (TBA)**	**1.45**	CCV-E, SCAL-E	ug/L	0.500	2.50	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/26/2019 12:30	03/27/2019 01:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*		*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*		*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*128 %*	S-HI	*79-122*

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 12:03	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 12:03	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 12:03	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 NELAC-NY10854,NJDEP,PADEP	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59	03/22/2019 12:03 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:03	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*48.8 %*	*15-110*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*25.1 %*	*15-110*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*93.7 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*86.4 %*	*30-130*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*97.8 %*	*15-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.8 %*	*30-130*

Semi-Volatile Organics, 8270 - Comprehensive (SIM)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1.09**		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
120-12-7	**Anthracene**	**0.0973**		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP	03/25/2019 12:57	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2019 12:57	OW

Sample Information

Client Sample ID: 2MW-04 20190314 **York Sample ID:** 19C0621-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive (SIM) **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
206-44-0	Fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
86-73-7	Fluorene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 12:57	OW
85-01-8	Phenanthrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW
129-00-0	Pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 12:57	OW

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 07:30	03/27/2019 18:32	RDS

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	**1,2,4-Trimethylbenzene**	**3.09**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	**1,3,5-Trimethylbenzene**	**1.82**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-64-1	**Acetone**	**2.07**	CCV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/27/2019 18:32	RDS

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	**n-Propylbenzene**	**0.330**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	**o-Xylene**	**0.960**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	**p- & m- Xylenes**	**0.940**		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-65-0	**tert-Butyl alcohol (TBA)**	**2.95**		ug/L	0.500	2.50	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	**Toluene**	**0.290**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	**Xylenes, Total**	**1.90**		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/27/2019 07:30	03/27/2019 18:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*79-122*

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 12:35	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 12:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,PADEP	03/22/2019 12:35	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/21/2019 07:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 12:35	SR

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/22/2019 12:35	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*44.6 %*	*15-110*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*22.9 %*	*15-110*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.8 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.6 %*	*30-130*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*82.3 %*	*15-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.2 %*	*30-130*

Semi-Volatile Organics, 8270 - Comprehensive (SIM)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.133**		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/21/2019 07:59	03/25/2019 13:29	OW
56-55-3	**Benzo(a)anthracene**	**0.0667**		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
50-32-8	**Benzo(a)pyrene**	**0.0556**		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
205-99-2	**Benzo(b)fluoranthene**	**0.0556**		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
191-24-2	**Benzo(g,h,i)perylene**	**0.0556**		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2019 07:59	03/25/2019 13:29	OW

Sample Information

Client Sample ID: DUP-20190314 **York Sample ID:** 19C0621-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Semi-Volatile Organics, 8270 - Comprehensive (SIM) **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1.07**		ug/L	0.556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	**Chrysene**	**0.0556**		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.144**		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**0.0778**		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.122**		ug/L	0.0556	1	EPA 8270D SIM	03/21/2019 07:59	03/25/2019 13:29	OW
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: TB-20190314 **York Sample ID:** 19C0621-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: TB-20190314 **York Sample ID:** 19C0621-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS

Sample Information

Client Sample ID: TB-20190314 **York Sample ID:** 19C0621-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS

Sample Information

Client Sample ID: TB-20190314 **York Sample ID:** 19C0621-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2019 19:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/19/2019 19:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications:	03/18/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2019 19:19	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/18/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/19/2019 19:19	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*111 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*120 %*	*79-122*

Sample Information

Client Sample ID: **TB-20190314** **York Sample ID:** **19C0621-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0621	GQ14076	Water	March 14, 2019 12:00 am	03/15/2019

Analytical Batch Summary

Batch ID: BC90861 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19C0621-06	TB-20190314	03/18/19
BC90861-BLK1	Blank	03/19/19
BC90861-BS1	LCS	03/19/19
BC90861-BSD1	LCS Dup	03/19/19

Batch ID: BC91012 **Preparation Method:** EPA 3510C **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
19C0621-01	2MW-01 20190314	03/21/19
19C0621-02	2MW-02 20190314	03/21/19
19C0621-03	2MW-03 20190314	03/21/19
19C0621-04	2MW-04 20190314	03/21/19
19C0621-05	DUP-20190314	03/21/19
BC91012-BLK1	Blank	03/21/19
BC91012-BLK2	Blank	03/21/19
BC91012-BS1	LCS	03/21/19
BC91012-BS2	LCS	03/21/19

Batch ID: BC91320 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19C0621-01	2MW-01 20190314	03/26/19
19C0621-02	2MW-02 20190314	03/26/19
19C0621-03	2MW-03 20190314	03/26/19
19C0621-04	2MW-04 20190314	03/26/19
BC91320-BLK1	Blank	03/26/19
BC91320-BS1	LCS	03/26/19
BC91320-BSD1	LCS Dup	03/26/19

Batch ID: BC91370 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19C0621-05	DUP-20190314	03/27/19
BC91370-BLK1	Blank	03/27/19
BC91370-BS1	LCS	03/27/19
BC91370-BSD1	LCS Dup	03/27/19

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC90861 - EPA 5030B											
Blank (BC90861-BLK1)											Prepared & Analyzed: 03/19/2019
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.280	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC90861 - EPA 5030B											
Blank (BC90861-BLK1)								Prepared & Analyzed: 03/19/2019			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.73*		*"*	*10.0*		*97.3*	*70-130*				
Surrogate: SURR: Toluene-d8	*11.2*		*"*	*10.0*		*112*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.7*		*"*	*10.0*		*117*	*70-130*				
LCS (BC90861-BS1)								Prepared & Analyzed: 03/19/2019			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126			30	
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130			20	
1,1,2,2-Tetrachloroethane	11.7		"	10.0		117	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130			20	
1,1,2-Trichloroethane	11.0		"	10.0		110	70-130			20	
1,1-Dichloroethane	10.1		"	10.0		101	70-130			20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichlorobenzene	11.9		"	10.0		119	70-130			20	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128			30	
1,2,4-Trichlorobenzene	11.0		"	10.0		110	70-130			20	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132			20	
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	40-160			20	
1,2-Dibromoethane	10.2		"	10.0		102	70-130			20	
1,2-Dichlorobenzene	10.5		"	10.0		105	70-130			20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130			20	
1,2-Dichloropropane	10.8		"	10.0		108	70-130			20	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131			30	
1,3-Dichlorobenzene	9.85		"	10.0		98.5	70-130			20	
1,4-Dichlorobenzene	10.0		"	10.0		100	70-130			20	
1,4-Dioxane	141		"	210		67.4	40-160			20	
2-Butanone	8.12		"	10.0		81.2	40-160			20	
2-Hexanone	9.99		"	10.0		99.9	40-160			20	
4-Methyl-2-pentanone	11.2		"	10.0		112	40-160			20	
Acetone	8.13		"	10.0		81.3	40-160			20	
Acrolein	2.22		"	10.0		22.2	10-153			30	
Acrylonitrile	9.71		"	10.0		97.1	51-150			30	
Benzene	9.98		"	10.0		99.8	70-130			20	
Bromochloromethane	10.4		"	10.0		104	70-130			20	
Bromodichloromethane	11.1		"	10.0		111	70-130			20	
Bromoform	10.7		"	10.0		107	70-130			20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC90861 - EPA 5030B											
LCS (BC90861-BS1)								Prepared & Analyzed: 03/19/2019			
Bromomethane	5.23		ug/L	10.0		52.3	40-160			20	
Carbon disulfide	10.5		"	10.0		105	40-160			20	
Carbon tetrachloride	9.73		"	10.0		97.3	70-130			20	
Chlorobenzene	10.9		"	10.0		109	70-130			20	
Chloroethane	10.4		"	10.0		104	40-160			20	
Chloroform	9.85		"	10.0		98.5	70-130			20	
Chloromethane	10.6		"	10.0		106	40-160			20	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	70-130			20	
cis-1,3-Dichloropropylene	11.1		"	10.0		111	70-130			20	
Cyclohexane	10.8		"	10.0		108	70-130			20	
Dibromochloromethane	10.7		"	10.0		107	70-130			20	
Dibromomethane	10.9		"	10.0		109	72-134			30	
Dichlorodifluoromethane	9.50		"	10.0		95.0	40-160			20	
Ethyl Benzene	11.2		"	10.0		112	70-130			20	
Hexachlorobutadiene	12.3		"	10.0		123	67-146			30	
Isopropylbenzene	10.2		"	10.0		102	70-130			20	
Methyl acetate	9.83		"	10.0		98.3	70-130			20	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130			20	
Methylcyclohexane	11.1		"	10.0		111	70-130			20	
Methylene chloride	10.0		"	10.0		100	70-130			20	
n-Butylbenzene	11.6		"	10.0		116	79-132			30	
n-Propylbenzene	11.1		"	10.0		111	78-133			30	
o-Xylene	11.1		"	10.0		111	70-130			20	
p- & m- Xylenes	23.2		"	20.0		116	70-130			20	
p-Isopropyltoluene	10.5		"	10.0		105	81-136			30	
sec-Butylbenzene	10.7		"	10.0		107	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Butyl alcohol (TBA)	51.6		"	50.0		103	25-162			30	
tert-Butylbenzene	10.1		"	10.0		101	77-138			30	
Tetrachloroethylene	6.72		"	10.0		67.2	70-130	Low Bias		20	
Toluene	11.2		"	10.0		112	70-130			20	
trans-1,2-Dichloroethylene	9.77		"	10.0		97.7	70-130			20	
trans-1,3-Dichloropropylene	11.0		"	10.0		110	70-130			20	
Trichloroethylene	10.6		"	10.0		106	70-130			20	
Trichlorofluoromethane	10.6		"	10.0		106	40-160			20	
Vinyl Chloride	10.5		"	10.0		105	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*70-130*				
Surrogate: SURR: Toluene-d8	*11.2*		*"*	*10.0*		*112*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC90861 - EPA 5030B

LCS Dup (BC90861-BSD1) Prepared & Analyzed: 03/19/2019

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		0.565	30	
1,1,1-Trichloroethane	9.70		"	10.0		97.0	70-130		4.53	20	
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	70-130		1.81	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.78		"	10.0		97.8	70-130		3.71	20	
1,1,2-Trichloroethane	10.4		"	10.0		104	70-130		4.86	20	
1,1-Dichloroethane	9.80		"	10.0		98.0	70-130		3.02	20	
1,1-Dichloroethylene	9.71		"	10.0		97.1	70-130		5.12	20	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	70-130		8.13	20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		5.53	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70-130		4.95	20	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		3.02	20	
1,2-Dibromo-3-chloropropane	12.1		"	10.0		121	40-160		10.3	20	
1,2-Dibromoethane	9.77		"	10.0		97.7	70-130		4.31	20	
1,2-Dichlorobenzene	10.1		"	10.0		101	70-130		3.49	20	
1,2-Dichloroethane	9.92		"	10.0		99.2	70-130		4.24	20	
1,2-Dichloropropane	10.8		"	10.0		108	70-130		0.279	20	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		0.0953	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	70-130		2.11	20	
1,4-Dichlorobenzene	10.0		"	10.0		100	70-130		0.299	20	
1,4-Dioxane	133		"	210		63.4	40-160		6.03	20	
2-Butanone	7.41		"	10.0		74.1	40-160		9.14	20	
2-Hexanone	9.06		"	10.0		90.6	40-160		9.76	20	
4-Methyl-2-pentanone	10.6		"	10.0		106	40-160		5.71	20	
Acetone	7.09		"	10.0		70.9	40-160		13.7	20	
Acrolein	2.29		"	10.0		22.9	10-153		3.10	30	
Acrylonitrile	8.71		"	10.0		87.1	51-150		10.9	30	
Benzene	9.61		"	10.0		96.1	70-130		3.78	20	
Bromochloromethane	9.77		"	10.0		97.7	70-130		6.63	20	
Bromodichloromethane	11.2		"	10.0		112	70-130		1.16	20	
Bromoform	10.3		"	10.0		103	70-130		4.19	20	
Bromomethane	5.97		"	10.0		59.7	40-160		13.2	20	
Carbon disulfide	10.1		"	10.0		101	40-160		3.69	20	
Carbon tetrachloride	9.48		"	10.0		94.8	70-130		2.60	20	
Chlorobenzene	10.8		"	10.0		108	70-130		0.369	20	
Chloroethane	10.3		"	10.0		103	40-160		0.867	20	
Chloroform	9.65		"	10.0		96.5	70-130		2.05	20	
Chloromethane	10.2		"	10.0		102	40-160		4.43	20	
cis-1,2-Dichloroethylene	9.66		"	10.0		96.6	70-130		4.26	20	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	70-130		2.46	20	
Cyclohexane	10.3		"	10.0		103	70-130		4.54	20	
Dibromochloromethane	10.2		"	10.0		102	70-130		4.02	20	
Dibromomethane	10.6		"	10.0		106	72-134		1.95	30	
Dichlorodifluoromethane	9.12		"	10.0		91.2	40-160		4.08	20	
Ethyl Benzene	11.2		"	10.0		112	70-130		0.445	20	
Hexachlorobutadiene	11.6		"	10.0		116	67-146		5.69	30	
Isopropylbenzene	10.4		"	10.0		104	70-130		1.07	20	
Methyl acetate	8.94		"	10.0		89.4	70-130		9.48	20	
Methyl tert-butyl ether (MTBE)	9.44		"	10.0		94.4	70-130		5.76	20	
Methylcyclohexane	11.2		"	10.0		112	70-130		0.449	20	
Methylene chloride	9.48		"	10.0		94.8	70-130		5.84	20	
n-Butylbenzene	11.4		"	10.0		114	79-132		1.48	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC90861 - EPA 5030B											
LCS Dup (BC90861-BSD1)								Prepared & Analyzed: 03/19/2019			
n-Propylbenzene	11.4		ug/L	10.0		114	78-133		2.50	30	
o-Xylene	11.3		"	10.0		113	70-130		1.97	20	
p- & m- Xylenes	23.0		"	20.0		115	70-130		0.780	20	
p-Isopropyltoluene	10.6		"	10.0		106	81-136		0.945	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		3.31	30	
Styrene	10.4		"	10.0		104	70-130		1.65	20	
tert-Butyl alcohol (TBA)	41.1		"	50.0		82.3	25-162		22.6	30	
tert-Butylbenzene	10.4		"	10.0		104	77-138		2.44	30	
Tetrachloroethylene	6.74		"	10.0		67.4	70-130	Low Bias	0.297	20	
Toluene	11.2		"	10.0		112	70-130		0.0896	20	
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	70-130		3.33	20	
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130		2.95	20	
Trichloroethylene	10.8		"	10.0		108	70-130		1.59	20	
Trichlorofluoromethane	10.0		"	10.0		100	40-160		5.24	20	
Vinyl Chloride	10.1		"	10.0		101	70-130		3.59	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.81*		*"*	*10.0*		*98.1*	*70-130*				
Surrogate: SURR: Toluene-d8	*11.2*		*"*	*10.0*		*112*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*70-130*				
Batch BC91320 - EPA 5030B											
Blank (BC91320-BLK1)								Prepared & Analyzed: 03/26/2019			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.230	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91320 - EPA 5030B											
Blank (BC91320-BLK1)											
Prepared & Analyzed: 03/26/2019											
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*12.2*		*"*	*10.0*		*122*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91320 - EPA 5030B											
LCS (BC91320-BS1)								Prepared & Analyzed: 03/26/2019			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126			30	
1,1,1-Trichloroethane	11.8		"	10.0		118	70-130			20	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-130			20	
1,1,2-Trichloroethane	10.8		"	10.0		108	70-130			20	
1,1-Dichloroethane	11.3		"	10.0		113	70-130			20	
1,1-Dichloroethylene	11.6		"	10.0		116	70-130			20	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128			30	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132			20	
1,2-Dibromo-3-chloropropane	12.7		"	10.0		127	40-160			20	
1,2-Dibromoethane	9.98		"	10.0		99.8	70-130			20	
1,2-Dichlorobenzene	9.97		"	10.0		99.7	70-130			20	
1,2-Dichloroethane	11.7		"	10.0		117	70-130			20	
1,2-Dichloropropane	10.9		"	10.0		109	70-130			20	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131			30	
1,3-Dichlorobenzene	9.83		"	10.0		98.3	70-130			20	
1,4-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,4-Dioxane	340		"	210		162	40-160	High Bias		20	
2-Butanone	9.93		"	10.0		99.3	40-160			20	
2-Hexanone	10.1		"	10.0		101	40-160			20	
4-Methyl-2-pentanone	11.4		"	10.0		114	40-160			20	
Acetone	8.32		"	10.0		83.2	40-160			20	
Acrolein	3.58		"	10.0		35.8	10-153			30	
Acrylonitrile	10.8		"	10.0		108	51-150			30	
Benzene	10.9		"	10.0		109	70-130			20	
Bromochloromethane	11.7		"	10.0		117	70-130			20	
Bromodichloromethane	11.6		"	10.0		116	70-130			20	
Bromoform	10.4		"	10.0		104	70-130			20	
Bromomethane	7.16		"	10.0		71.6	40-160			20	
Carbon disulfide	11.9		"	10.0		119	40-160			20	
Carbon tetrachloride	11.2		"	10.0		112	70-130			20	
Chlorobenzene	10.9		"	10.0		109	70-130			20	
Chloroethane	11.0		"	10.0		110	40-160			20	
Chloroform	11.4		"	10.0		114	70-130			20	
Chloromethane	12.1		"	10.0		121	40-160			20	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130			20	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	70-130			20	
Cyclohexane	11.9		"	10.0		119	70-130			20	
Dibromochloromethane	10.4		"	10.0		104	70-130			20	
Dibromomethane	11.1		"	10.0		111	72-134			30	
Dichlorodifluoromethane	10.7		"	10.0		107	40-160			20	
Ethyl Benzene	11.4		"	10.0		114	70-130			20	
Hexachlorobutadiene	10.6		"	10.0		106	67-146			30	
Isopropylbenzene	10.4		"	10.0		104	70-130			20	
Methyl acetate	11.5		"	10.0		115	70-130			20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130			20	
Methylcyclohexane	10.9		"	10.0		109	70-130			20	
Methylene chloride	11.3		"	10.0		113	70-130			20	
n-Butylbenzene	10.7		"	10.0		107	79-132			30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91320 - EPA 5030B											
LCS (BC91320-BS1)								Prepared & Analyzed: 03/26/2019			
n-Propylbenzene	11.4		ug/L	10.0		114	78-133			30	
o-Xylene	11.5		"	10.0		115	70-130			20	
p- & m- Xylenes	23.7		"	20.0		118	70-130			20	
p-Isopropyltoluene	10.4		"	10.0		104	81-136			30	
sec-Butylbenzene	10.8		"	10.0		108	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Butyl alcohol (TBA)	65.4		"	50.0		131	25-162			30	
tert-Butylbenzene	10.3		"	10.0		103	77-138			30	
Tetrachloroethylene	6.96		"	10.0		69.6	70-130	Low Bias		20	
Toluene	11.2		"	10.0		112	70-130			20	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	70-130			20	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130			20	
Trichloroethylene	11.1		"	10.0		111	70-130			20	
Trichlorofluoromethane	11.8		"	10.0		118	40-160			20	
Vinyl Chloride	11.2		"	10.0		112	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*12.0*		*"*	*10.0*		*120*	*70-130*				
LCS Dup (BC91320-BSD1)								Prepared & Analyzed: 03/26/2019			
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126		3.28	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	70-130		4.15	20	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	70-130		4.36	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-130		3.79	20	
1,1,2-Trichloroethane	10.4		"	10.0		104	70-130		2.92	20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130		2.86	20	
1,1-Dichloroethylene	11.3		"	10.0		113	70-130		2.71	20	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	70-130		0.778	20	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		2.02	30	
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	70-130		4.37	20	
1,2,4-Trimethylbenzene	9.74		"	10.0		97.4	82-132		9.11	20	
1,2-Dibromo-3-chloropropane	12.7		"	10.0		127	40-160		0.0788	20	
1,2-Dibromoethane	9.92		"	10.0		99.2	70-130		0.603	20	
1,2-Dichlorobenzene	9.28		"	10.0		92.8	70-130		7.17	20	
1,2-Dichloroethane	11.9		"	10.0		119	70-130		1.70	20	
1,2-Dichloropropane	10.8		"	10.0		108	70-130		1.48	20	
1,3,5-Trimethylbenzene	9.75		"	10.0		97.5	80-131		8.45	30	
1,3-Dichlorobenzene	8.99		"	10.0		89.9	70-130		8.93	20	
1,4-Dichlorobenzene	9.35		"	10.0		93.5	70-130		4.39	20	
1,4-Dioxane	395		"	210		188	40-160	High Bias	14.9	20	
2-Butanone	10.2		"	10.0		102	40-160		2.68	20	
2-Hexanone	9.86		"	10.0		98.6	40-160		2.70	20	
4-Methyl-2-pentanone	11.5		"	10.0		115	40-160		0.523	20	
Acetone	8.66		"	10.0		86.6	40-160		4.00	20	
Acrolein	3.51		"	10.0		35.1	10-153		1.97	30	
Acrylonitrile	10.8		"	10.0		108	51-150		0.278	30	
Benzene	10.6		"	10.0		106	70-130		2.51	20	
Bromochloromethane	11.8		"	10.0		118	70-130		0.853	20	
Bromodichloromethane	11.5		"	10.0		115	70-130		0.519	20	
Bromoform	10.4		"	10.0		104	70-130		0.289	20	
Bromomethane	7.02		"	10.0		70.2	40-160		1.97	20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91320 - EPA 5030B											
LCS Dup (BC91320-BSD1)								Prepared & Analyzed: 03/26/2019			
Carbon disulfide	11.3		ug/L	10.0		113	40-160		5.33	20	
Carbon tetrachloride	10.7		"	10.0		107	70-130		4.55	20	
Chlorobenzene	10.4		"	10.0		104	70-130		4.59	20	
Chloroethane	10.3		"	10.0		103	40-160		6.55	20	
Chloroform	11.2		"	10.0		112	70-130		1.78	20	
Chloromethane	11.6		"	10.0		116	40-160		4.81	20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		2.20	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		2.23	20	
Cyclohexane	11.4		"	10.0		114	70-130		4.39	20	
Dibromochloromethane	10.6		"	10.0		106	70-130		1.43	20	
Dibromomethane	10.8		"	10.0		108	72-134		2.74	30	
Dichlorodifluoromethane	9.96		"	10.0		99.6	40-160		7.26	20	
Ethyl Benzene	10.8		"	10.0		108	70-130		5.48	20	
Hexachlorobutadiene	9.87		"	10.0		98.7	67-146		6.85	30	
Isopropylbenzene	9.69		"	10.0		96.9	70-130		6.68	20	
Methyl acetate	11.7		"	10.0		117	70-130		2.07	20	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	70-130		2.41	20	
Methylcyclohexane	10.3		"	10.0		103	70-130		5.10	20	
Methylene chloride	11.4		"	10.0		114	70-130		0.440	20	
n-Butylbenzene	10.3		"	10.0		103	79-132		3.14	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		8.72	30	
o-Xylene	11.0		"	10.0		110	70-130		4.00	20	
p- & m- Xylenes	22.6		"	20.0		113	70-130		4.36	20	
p-Isopropyltoluene	9.44		"	10.0		94.4	81-136		9.39	30	
sec-Butylbenzene	9.86		"	10.0		98.6	79-137		9.10	30	
Styrene	9.93		"	10.0		99.3	70-130		2.58	20	
tert-Butyl alcohol (TBA)	69.6		"	50.0		139	25-162		6.27	30	
tert-Butylbenzene	9.31		"	10.0		93.1	77-138		10.4	30	
Tetrachloroethylene	6.65		"	10.0		66.5	70-130	Low Bias	4.56	20	
Toluene	10.8		"	10.0		108	70-130		4.09	20	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		2.65	20	
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130		0.558	20	
Trichloroethylene	10.9		"	10.0		109	70-130		2.09	20	
Trichlorofluoromethane	11.1		"	10.0		111	40-160		6.20	20	
Vinyl Chloride	10.9		"	10.0		109	70-130		2.72	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.9*		*"*	*10.0*		*109*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91370 - EPA 5030B											
Blank (BC91370-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	2.00	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	2.00	"								
2-Hexanone	ND	2.00	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	2.00	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Prepared & Analyzed: 03/27/2019

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91370 - EPA 5030B											
Blank (BC91370-BLK1)								Prepared & Analyzed: 03/27/2019			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.69*		*"*	*10.0*		*96.9*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-130*				
LCS (BC91370-BS1)								Prepared & Analyzed: 03/27/2019			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126			30	
1,1,1-Trichloroethane	10.8		"	10.0		108	70-130			20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	70-130			20	
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130			20	
1,1-Dichloroethane	11.2		"	10.0		112	70-130			20	
1,1-Dichloroethylene	11.5		"	10.0		115	70-130			20	
1,2,3-Trichlorobenzene	9.10		"	10.0		91.0	70-130			20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128			30	
1,2,4-Trichlorobenzene	8.65		"	10.0		86.5	70-130			20	
1,2,4-Trimethylbenzene	9.95		"	10.0		99.5	82-132			20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160			20	
1,2-Dibromoethane	10.3		"	10.0		103	70-130			20	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	70-130			20	
1,2-Dichloroethane	10.9		"	10.0		109	70-130			20	
1,2-Dichloropropane	10.3		"	10.0		103	70-130			20	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131			30	
1,3-Dichlorobenzene	9.61		"	10.0		96.1	70-130			20	
1,4-Dichlorobenzene	9.43		"	10.0		94.3	70-130			20	
1,4-Dioxane	150		"	210		71.3	40-160			20	
2-Butanone	10.6		"	10.0		106	40-160			20	
2-Hexanone	9.90		"	10.0		99.0	40-160			20	
4-Methyl-2-pentanone	11.1		"	10.0		111	40-160			20	
Acetone	10.1		"	10.0		101	40-160			20	
Acrolein	10.8		"	10.0		108	10-153			30	
Acrylonitrile	11.3		"	10.0		113	51-150			30	
Benzene	11.2		"	10.0		112	70-130			20	
Bromochloromethane	11.5		"	10.0		115	70-130			20	
Bromodichloromethane	10.3		"	10.0		103	70-130			20	
Bromoform	9.67		"	10.0		96.7	70-130			20	
Bromomethane	4.84		"	10.0		48.4	40-160			20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91370 - EPA 5030B											
LCS (BC91370-BS1)								Prepared & Analyzed: 03/27/2019			
Carbon disulfide	11.6		ug/L	10.0		116	40-160			20	
Carbon tetrachloride	10.9		"	10.0		109	70-130			20	
Chlorobenzene	10.2		"	10.0		102	70-130			20	
Chloroethane	10.2		"	10.0		102	40-160			20	
Chloroform	10.8		"	10.0		108	70-130			20	
Chloromethane	10.2		"	10.0		102	40-160			20	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130			20	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130			20	
Cyclohexane	12.0		"	10.0		120	70-130			20	
Dibromochloromethane	10.1		"	10.0		101	70-130			20	
Dibromomethane	10.3		"	10.0		103	72-134			30	
Dichlorodifluoromethane	10.6		"	10.0		106	40-160			20	
Ethyl Benzene	10.8		"	10.0		108	70-130			20	
Hexachlorobutadiene	10.1		"	10.0		101	67-146			30	
Isopropylbenzene	10.1		"	10.0		101	70-130			20	
Methyl acetate	12.0		"	10.0		120	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylcyclohexane	10.7		"	10.0		107	70-130			20	
Methylene chloride	11.1		"	10.0		111	70-130			20	
n-Butylbenzene	10.8		"	10.0		108	79-132			30	
n-Propylbenzene	10.4		"	10.0		104	78-133			30	
o-Xylene	10.6		"	10.0		106	70-130			20	
p- & m- Xylenes	21.8		"	20.0		109	70-130			20	
p-Isopropyltoluene	10.2		"	10.0		102	81-136			30	
sec-Butylbenzene	10.7		"	10.0		107	79-137			30	
Styrene	10.5		"	10.0		105	70-130			20	
tert-Butyl alcohol (TBA)	55.2		"	50.0		110	25-162			30	
tert-Butylbenzene	9.99		"	10.0		99.9	77-138			30	
Tetrachloroethylene	8.94		"	10.0		89.4	70-130			20	
Toluene	10.6		"	10.0		106	70-130			20	
trans-1,2-Dichloroethylene	11.0		"	10.0		110	70-130			20	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	70-130			20	
Trichloroethylene	10.2		"	10.0		102	70-130			20	
Trichlorofluoromethane	10.6		"	10.0		106	40-160			20	
Vinyl Chloride	10.8		"	10.0		108	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91370 - EPA 5030B											
LCS Dup (BC91370-BSD1)								Prepared & Analyzed: 03/27/2019			
1,1,1,2-Tetrachloroethane	9.88		ug/L	10.0		98.8	82-126		3.19	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130		7.22	20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130		0.288	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	70-130		6.21	20	
1,1,2-Trichloroethane	9.89		"	10.0		98.9	70-130		2.00	20	
1,1-Dichloroethane	10.5		"	10.0		105	70-130		6.43	20	
1,1-Dichloroethylene	10.8		"	10.0		108	70-130		6.56	20	
1,2,3-Trichlorobenzene	8.49		"	10.0		84.9	70-130		6.94	20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		0.00	30	
1,2,4-Trichlorobenzene	8.47		"	10.0		84.7	70-130		2.10	20	
1,2,4-Trimethylbenzene	9.59		"	10.0		95.9	82-132		3.68	20	
1,2-Dibromo-3-chloropropane	9.98		"	10.0		99.8	40-160		5.36	20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130		1.77	20	
1,2-Dichlorobenzene	9.45		"	10.0		94.5	70-130		2.61	20	
1,2-Dichloroethane	10.6		"	10.0		106	70-130		2.90	20	
1,2-Dichloropropane	9.89		"	10.0		98.9	70-130		4.06	20	
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	80-131		4.16	30	
1,3-Dichlorobenzene	9.25		"	10.0		92.5	70-130		3.82	20	
1,4-Dichlorobenzene	9.22		"	10.0		92.2	70-130		2.25	20	
1,4-Dioxane	227		"	210		108	40-160		41.0	20	Non-dir.
2-Butanone	11.0		"	10.0		110	40-160		3.23	20	
2-Hexanone	10.2		"	10.0		102	40-160		2.59	20	
4-Methyl-2-pentanone	11.0		"	10.0		110	40-160		0.631	20	
Acetone	9.99		"	10.0		99.9	40-160		0.996	20	
Acrolein	10.1		"	10.0		101	10-153		6.71	30	
Acrylonitrile	11.4		"	10.0		114	51-150		0.529	30	
Benzene	10.5		"	10.0		105	70-130		5.80	20	
Bromochloromethane	11.2		"	10.0		112	70-130		2.46	20	
Bromodichloromethane	9.92		"	10.0		99.2	70-130		3.95	20	
Bromoform	9.36		"	10.0		93.6	70-130		3.26	20	
Bromomethane	5.40		"	10.0		54.0	40-160		10.9	20	
Carbon disulfide	10.8		"	10.0		108	40-160		7.04	20	
Carbon tetrachloride	10.2		"	10.0		102	70-130		7.03	20	
Chlorobenzene	9.79		"	10.0		97.9	70-130		4.30	20	
Chloroethane	9.34		"	10.0		93.4	40-160		8.31	20	
Chloroform	10.3		"	10.0		103	70-130		4.92	20	
Chloromethane	9.56		"	10.0		95.6	40-160		6.97	20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		5.97	20	
cis-1,3-Dichloropropylene	9.97		"	10.0		99.7	70-130		2.96	20	
Cyclohexane	11.3		"	10.0		113	70-130		6.35	20	
Dibromochloromethane	9.85		"	10.0		98.5	70-130		2.61	20	
Dibromomethane	9.92		"	10.0		99.2	72-134		3.47	30	
Dichlorodifluoromethane	9.99		"	10.0		99.9	40-160		6.21	20	
Ethyl Benzene	10.2		"	10.0		102	70-130		5.52	20	
Hexachlorobutadiene	9.95		"	10.0		99.5	67-146		1.79	30	
Isopropylbenzene	9.71		"	10.0		97.1	70-130		4.23	20	
Methyl acetate	12.0		"	10.0		120	70-130		0.166	20	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	70-130		2.19	20	
Methylcyclohexane	10.1		"	10.0		101	70-130		6.24	20	
Methylene chloride	10.6		"	10.0		106	70-130		4.41	20	
n-Butylbenzene	9.96		"	10.0		99.6	79-132		8.46	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91370 - EPA 5030B											
LCS Dup (BC91370-BSD1)								Prepared & Analyzed: 03/27/2019			
n-Propylbenzene	10.0		ug/L	10.0		100	78-133		4.11	30	
o-Xylene	10.1		"	10.0		101	70-130		4.65	20	
p- & m- Xylenes	20.6		"	20.0		103	70-130		5.71	20	
p-Isopropyltoluene	9.71		"	10.0		97.1	81-136		4.43	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		4.60	30	
Styrene	10.0		"	10.0		100	70-130		4.50	20	
tert-Butyl alcohol (TBA)	63.0		"	50.0		126	25-162		13.2	30	
tert-Butylbenzene	9.65		"	10.0		96.5	77-138		3.46	30	
Tetrachloroethylene	8.34		"	10.0		83.4	70-130		6.94	20	
Toluene	10.1		"	10.0		101	70-130		5.03	20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130		6.79	20	
trans-1,3-Dichloropropylene	9.56		"	10.0		95.6	70-130		3.80	20	
Trichloroethylene	9.68		"	10.0		96.8	70-130		5.33	20	
Trichlorofluoromethane	10.3		"	10.0		103	40-160		2.59	20	
Vinyl Chloride	10.8		"	10.0		108	70-130		0.185	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*70-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91012 - EPA 3510C											
Blank (BC91012-BLK1)											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								

Prepared & Analyzed: 03/21/2019

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91012 - EPA 3510C											
Blank (BC91012-BLK1)								Prepared & Analyzed: 03/21/2019			
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*23.1*		*"*	*50.0*		*46.2*	*15-110*				
Surrogate: SURR: Phenol-d5	*11.4*		*"*	*50.0*		*22.9*	*15-110*				
Surrogate: SURR: Nitrobenzene-d5	*20.8*		*"*	*25.0*		*83.1*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*19.3*		*"*	*25.0*		*77.3*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*41.5*		*"*	*50.0*		*82.9*	*15-110*				
Surrogate: SURR: Terphenyl-d14	*21.0*		*"*	*25.0*		*84.0*	*30-130*				
Blank (BC91012-BLK2)								Prepared & Analyzed: 03/21/2019			
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC91012 - EPA 3510C

LCS (BC91012-BS1) Prepared & Analyzed: 03/21/2019

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	19.0	5.00	ug/L	25.0		76.2	70-130			20	
1,2,4,5-Tetrachlorobenzene	25.1	5.00	"	25.0		100	70-130			20	
1,2,4-Trichlorobenzene	19.6	5.00	"	25.0		78.3	20-118			20	
1,2-Dichlorobenzene	19.2	5.00	"	25.0		76.7	29-111			20	
1,2-Diphenylhydrazine (as Azobenzene)	19.3	5.00	"	25.0		77.2	16-141			20	
1,3-Dichlorobenzene	18.8	5.00	"	25.0		75.0	23-117			20	
1,4-Dichlorobenzene	19.0	5.00	"	25.0		75.8	30-105			20	
2,3,4,6-Tetrachlorophenol	44.1	5.00	"	25.0		177	70-130	High Bias		20	
2,4,5-Trichlorophenol	18.7	5.00	"	25.0		74.8	70-130			20	
2,4,6-Trichlorophenol	20.6	5.00	"	25.0		82.4	70-130			20	
2,4-Dichlorophenol	22.0	5.00	"	25.0		87.9	70-130			20	
2,4-Dimethylphenol	20.9	5.00	"	25.0		83.7	70-130			20	
2,4-Dinitrophenol	25.6	5.00	"	25.0		102	20-160			20	
2,4-Dinitrotoluene	21.7	5.00	"	25.0		86.7	70-130			20	
2,6-Dinitrotoluene	23.9	5.00	"	25.0		95.7	70-130			20	
2-Chloronaphthalene	18.8	5.00	"	25.0		75.4	70-130			20	
2-Chlorophenol	19.9	5.00	"	25.0		79.4	70-130			20	
2-Methylnaphthalene	21.1	5.00	"	25.0		84.5	70-130			20	
2-Methylphenol	15.8	5.00	"	25.0		63.0	70-130	Low Bias		20	
2-Nitroaniline	22.6	5.00	"	25.0		90.4	70-130			20	
2-Nitrophenol	23.6	5.00	"	25.0		94.2	70-130			20	
3- & 4-Methylphenols	12.4	5.00	"	25.0		49.5	20-160			20	
3,3-Dichlorobenzidine	21.6	5.00	"	25.0		86.6	70-160			20	
3-Nitroaniline	18.5	5.00	"	25.0		74.0	70-160			20	
4,6-Dinitro-2-methylphenol	25.1	5.00	"	25.0		100	70-160			20	
4-Bromophenyl phenyl ether	19.0	5.00	"	25.0		76.1	70-160			20	
4-Chloro-3-methylphenol	21.2	5.00	"	25.0		85.0	70-160			20	
4-Chloroaniline	16.0	5.00	"	25.0		63.8	70-160	Low Bias		20	
4-Chlorophenyl phenyl ether	19.5	5.00	"	25.0		77.9	70-160			20	
4-Nitroaniline	21.9	5.00	"	25.0		87.4	70-160			20	
4-Nitrophenol	8.78	5.00	"	25.0		35.1	20-160			20	
Acetophenone	19.3	5.00	"	25.0		77.1	70-130			20	
Aniline	10.5	5.00	"	25.0		42.1	10-117			20	
Benzaldehyde	26.4	5.00	"	25.0		106	20-160			20	
Benzoic acid	ND	50.0	"	34.4			30-130	Low Bias		20	
Benzyl alcohol	14.9	5.00	"	25.0		59.6	10-117			20	
Benzyl butyl phthalate	22.7	5.00	"	25.0		90.7	70-130			20	
Bis(2-chloroethoxy)methane	20.8	5.00	"	25.0		83.4	70-130			20	
Bis(2-chloroethyl)ether	21.6	5.00	"	25.0		86.6	70-130			20	
Bis(2-chloroisopropyl)ether	22.5	5.00	"	25.0		90.0	70-130			20	
Caprolactam	3.03	5.00	"	25.0		12.1	20-160	Low Bias		20	
Carbazole	20.4	5.00	"	25.0		81.8	70-130			20	
Dibenzofuran	19.4	5.00	"	25.0		77.7	70-130			20	
Diethyl phthalate	19.5	5.00	"	25.0		78.1	70-130			20	
Dimethyl phthalate	19.3	5.00	"	25.0		77.3	70-130			20	
Di-n-butyl phthalate	20.1	5.00	"	25.0		80.5	70-130			20	
Di-n-octyl phthalate	23.1	5.00	"	25.0		92.4	70-130			20	
Hexachlorocyclopentadiene	15.8	10.0	"	25.0		63.1	20-160			20	
Isophorone	21.4	5.00	"	25.0		85.5	70-130			20	
N-nitroso-di-n-propylamine	19.7	5.00	"	25.0		78.9	70-130			20	
N-Nitrosodiphenylamine	23.9	5.00	"	25.0		95.5	70-130			20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91012 - EPA 3510C											
LCS (BC91012-BS1)								Prepared & Analyzed: 03/21/2019			
Phenol	7.46	5.00	ug/L	25.0		29.8	20-160			20	
Surrogate: SURR: 2-Fluorophenol	*25.1*		*"*	*50.0*		*50.2*	*15-110*				
Surrogate: SURR: Phenol-d5	*13.4*		*"*	*50.0*		*26.7*	*15-110*				
Surrogate: SURR: Nitrobenzene-d5	*21.1*		*"*	*25.0*		*84.5*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*19.5*		*"*	*25.0*		*78.0*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*44.3*		*"*	*50.0*		*88.6*	*15-110*				
Surrogate: SURR: Terphenyl-d14	*20.7*		*"*	*25.0*		*82.8*	*30-130*				
LCS (BC91012-BS2)								Prepared & Analyzed: 03/21/2019			
Acenaphthene	0.910	0.0500	ug/L	1.00		91.0	25-116				
Acenaphthylene	0.870	0.0500	"	1.00		87.0	26-116				
Anthracene	0.950	0.0500	"	1.00		95.0	25-123				
Benzo(a)anthracene	0.910	0.0500	"	1.00		91.0	33-125				
Benzo(a)pyrene	0.990	0.0500	"	1.00		99.0	32-132				
Benzo(b)fluoranthene	1.02	0.0500	"	1.00		102	22-137				
Benzo(g,h,i)perylene	1.06	0.0500	"	1.00		106	10-138				
Benzo(k)fluoranthene	0.980	0.0500	"	1.00		98.0	20-137				
Bis(2-ethylhexyl)phthalate	1.19	0.500	"	1.00		119	10-189				
Chrysene	0.960	0.0500	"	1.00		96.0	32-124				
Dibenzo(a,h)anthracene	1.15	0.0500	"	1.00		115	16-133				
Fluoranthene	1.06	0.0500	"	1.00		106	32-121				
Fluorene	0.960	0.0500	"	1.00		96.0	28-118				
Hexachlorobenzene	0.650	0.0200	"	1.00		65.0	23-124				
Hexachlorobutadiene	0.770	0.500	"	1.00		77.0	15-123				
Hexachloroethane	0.680	0.500	"	1.00		68.0	18-115				
Indeno(1,2,3-cd)pyrene	1.07	0.0500	"	1.00		107	15-135				
Naphthalene	0.910	0.0500	"	1.00		91.0	18-120				
Nitrobenzene	0.820	0.250	"	1.00		82.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.910	0.250	"	1.00		91.0	10-156				
Phenanthrene	0.970	0.0500	"	1.00		97.0	24-127				
Pyrene	1.00	0.0500	"	1.00		100	31-132				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19C0621-01	2MW-01 20190314	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0621-02	2MW-02 20190314	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0621-03	2MW-03 20190314	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0621-04	2MW-04 20190314	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0621-05	DUP-20190314	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0621-06	TB-20190314	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: This report has been revised to change the target lists.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19C0621
Revised COC 3/21/19

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: WCD	SAME Scott Spitzer	SAME Brenda	GQ14076	RUSH-Same Day	Summary Report X
Address: 24 Davis Avenue	Name:	Name:		RUSH-Next Day	QA Report
Poughkeepsie, NY	Company:	Company:	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: (845) 452-1658	Address:	Address:		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Scott Spitzer			GQ14076.53	RUSH-Four Day	NY ASP A Package
E-mail: sspitzer@wcdgroup.com	E-mail:	E-mail	Samples from New York	Standard (5-7day) X	NY ASP B Package X
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to: NYSDEC
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Erick Salazar
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL+MetCN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	DateSampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
2MW-01 20190314	3/14/2019	GW	TCL VOCs (8260); TCL SVOCs (8270)	3x 40mL HCl vials, 1x 1L amber jar
2MW-02 20190314	↓	↓	↓	↓
2MW-03 20190314				
2MW-04 20190314				
DUP-20190314				
TB-20190314			TCL VOCs (8260)	2x 40mL HCl vials

Comments:

VOC/SVOCS Target Compound List Only

Preservation (check all applicable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
See signatures on hold / Original COC				
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	
		L. Guzzi	3/25/19	

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
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FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19C0621

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: WCD	SAME | Scott Spitzer	SAME | Brenda	GQ14076	RUSH-Same Day	Summary Report X
Address: 24 Davis Avenue	Name:	Name:		RUSH-Next Day	QA Report
Poughkeepsie, NY	Company:	Company:	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: (845) 452-1658	Address:	Address:		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Scott Spitzer			GQ14076.53	RUSH-Four Day	NY ASP A Package
E-mail: sspitzer@wcdgroup.com	E-mail:	E-mail	Samples from New York	Standard (5-7day) X	NY ASP B Package X
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to: NYSDEC
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Erick Salazar
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	DateSampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
2MW-01 20190314	3/14/2019	GW	HOLD	3x 40mL HCl vials, 1x 1L amber jar
2MW-02 20190314				
2MW-03 20190314				
2MW-04 20190314				
DUP-20190314				
TB-20190314			VOCs (8260)	2x 40mL HCl vials

Comments:

Preservation (check all applicable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Matthew Crowe	3/15/19	Chris	3-15-19 9:30
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
Chris	3-15-19 1500	Zack	3-15-19 1500

Temperature on Receipt 3.7 °C

APPENDIX C

SIDE-WIDE INSPECTION FORM

SITE-WIDE INSPECTION FORM

GDC LIC Development Site (NYSDEC Site ID: C241172)
Long Island City, Queens, New York

Inspection Date: May 17, 2019 Weather: 72°F, partly cloudy

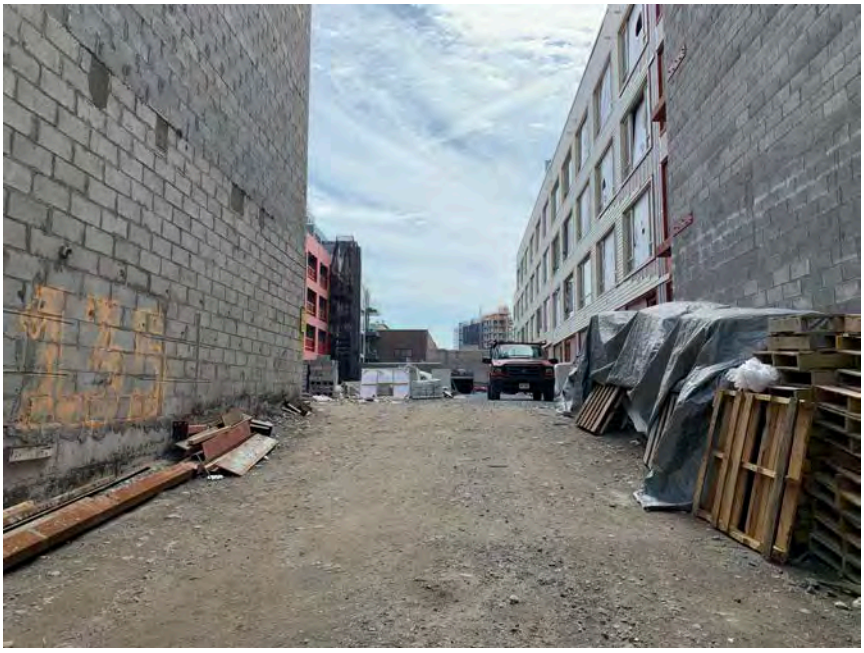
Inspection Item	Yes	No	NA	Comments (include corrective actions)
General Checklist (use reverse side for additional comments or drawings)				
Change of ownership or use (Restricted Residential)? Transfer of COC?		X		
Erection of structures?		X		ongoing construction, no new buildings
Any activity likely to disrupt or expose contamination?		X		equipment staging above cover
Any activity that will/may interfere with remedial program elements, or continued ability to implement engineering or institutional controls?		X		
Cover System Monitoring Checklist				
Were there any ground-intrusive activities conducted (installation/relocation of utilities, etc.)? If so, specify.		X		
Is there evidence that ground-intrusive activities were conducted? If so, specify.		X		
Are there signs of soil erosion in the landscaped areas that could interfere with the cover system integrity? If so, specify.		X		no landscaping, no evidence of issues at exposed soil or crushed bule stone
Are there any holes, cracks, vegetation, or physical deficiencies in paved areas? If so, sketch area on reverse side.			X	no paved areas
Areas of significant ponding on-site?		X		
Are there any holes, cracks, vegetation, or physical deficiencies in the building floor slab? If so, identify the building and sketch area on reverse side.		X		
Groundwater Monitoring Well Network				
Monitoring wells (2MW-1 to 2MW-5) usable/in good condition?	X			
SSDS Checklist (review for all on-site buildings, report on problems in specific buildings as needed)				
Each riser pipe: holes, cracks or other problems?	X			systems under construction
Each discharge vent pipe: functional and maintained?			X	
Each fan/turbine: operating?			X	
Each monitoring device (if present): Sufficient vacuum?			X	
Site Records				
Operator has updated SMP and FER available on-site?	X			

Inspector Name: Victoria Panico Inspector Signature: Victoria Panico

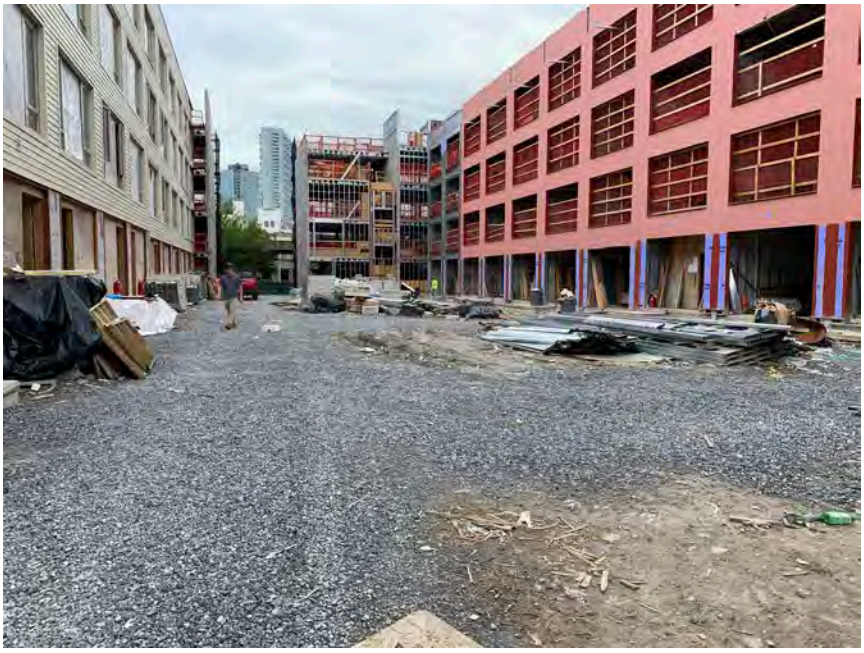
Previous Inspection Date: 2018-04-02 Next Inspection Date: April 2020

APPENDIX D

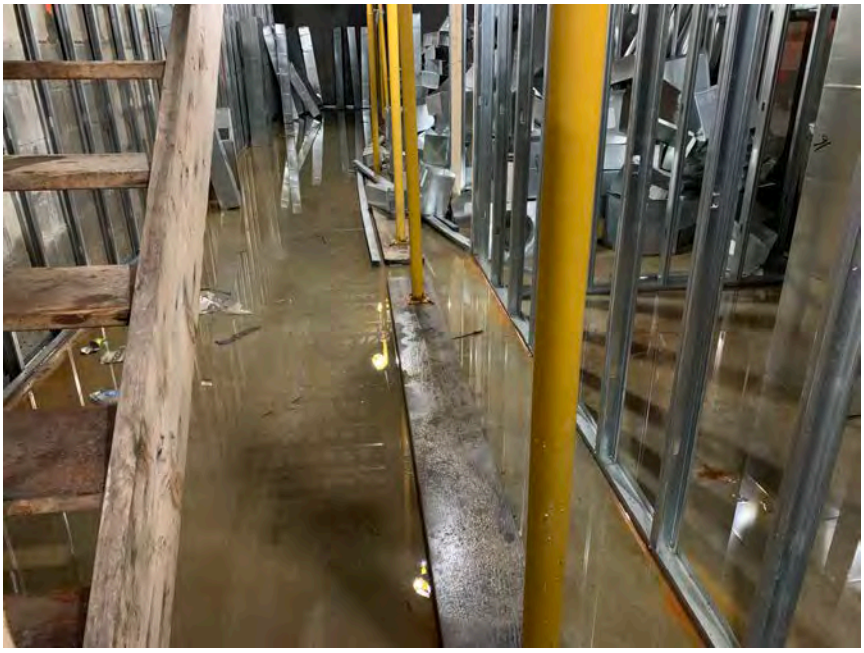
PHOTOGRAPHS



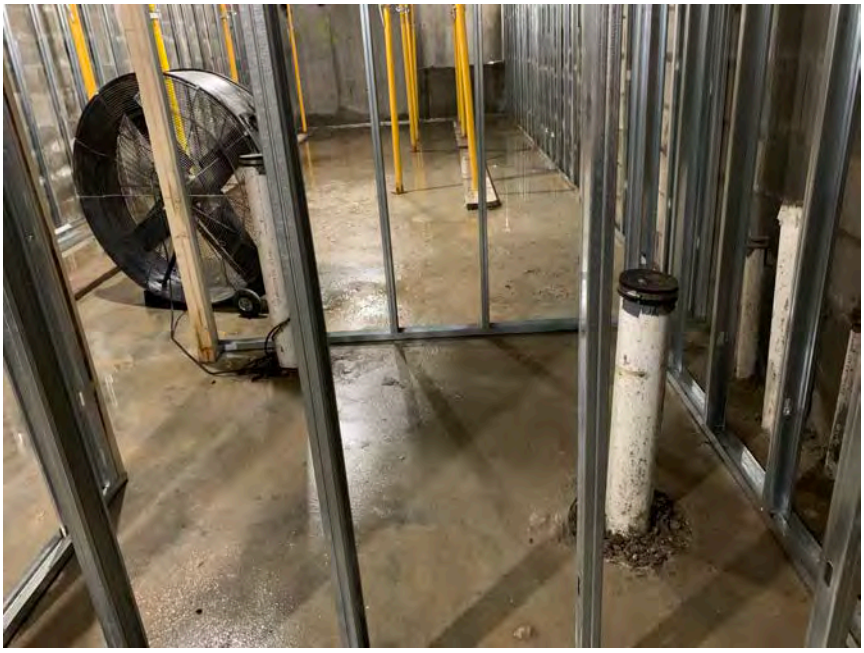
1. **The Site, looking east from 11th Street**



2. **Cover system consisting of exposed soil and crushed blue stone, exterior courtyard area**



3. Typical cover system consisting of concrete building slab, Unit 146



4. Typical cover system consisting of concrete building slab, Unit 139

5. On-site groundwater monitoring well (2MW-01) in good condition, along 11th Street

6. On-site groundwater monitoring well (2MW-03) in good condition, along 45th Road

7. Condition and location of SSDS riser, Unit 140

8. Condition and location of SSDS riser, Unit 148

APPENDIX E

ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

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

Site Details **Box 1**

Site No. **C241172**

Site Name GDC LIC Development

Site Address: 45-35 11th Street and 11-22 45th Road Zip Code: 11101
City/Town: Queens
County: Queens
Site Acreage: 1.148

Reporting Period: April 21, 2018 to April 21, 2019

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C241172

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
4-54-13	GDC LIC Owner LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Requires the remedial party or site owner to submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-l .8(h)(3);
2. Allows for use and development of the property for restricted residential, commercial and industrial uses as defined in Part 375-l.8(g) and in accordance with applicable local zoning;
3. Restricts the use of groundwater as a source of potable or process water, without the necessary water quality treatment as determined by NYS Department of Health and NYC Department of Health and Mental Hygiene;
4. Requires compliance with the Department approved Site Management Plan.

4-54-20	GDC LIC Owner LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Requires the remedial party or site owner to submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-l .8(h)(3);
2. Allows for use and development of the property for restricted residential, commercial and industrial uses as defined in Part 375-l.8(g) and in accordance with applicable local zoning;
3. Restricts the use of groundwater as a source of potable or process water, without the necessary water quality treatment as determined by NYS Department of Health and NYC Department of Health and Mental Hygiene;
4. Requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
4-54-13	Cover System
	A site cover system will be required to allow for restricted residential use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks, or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). The soil cover will consist of a minimum of two feet of clean soil, as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).
4-54-20	Cover System
	A site cover system will be required to allow for restricted residential use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks, or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). The soil cover will consist of a minimum of two feet of clean soil, as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C241172

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Michael Orlandi (print name) at 245 Saw Mill River Rd, Hawthorne, NY 10532 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/23/2019
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PHILIP BELL at 334 NORTH FOSTERTOWN DR. NEWBURGH, NY 12550
print name print business address

am certifying as a Professional Engineer for the GDC LIC LLC
(Owner or Remedial Party)

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

Stamp (Required for PE)

7/18/19
Date

Attachment to Periodic Review Report

Site No. C241172

GDC LIC Development

Box 1, Item 2

As noted again in periodic review report dated June 7, 2018, in March, 2015, an application for TENTATIVE Tax lot numbers for this project was submitted to the New York City Department of Finance. The tentative tax lots reflected that the site is being developed into 38, 2-family townhomes.

In January, 2019 the tax lots referred to above were FINALIZED and the tax map was amended, as shown on this attachment.