PERIODIC REVIEW REPORT
MAY 16, 2021 TO FEBRUARY 07, 2023

QUEENS WEST (HUNTER POINT)
PARCEL 8
BETWEEN 47TH RD. & 48TH AVE.
QUEENS, NEW YORK 11101
BCP ID NO.: C241087

PREPARED FOR:
QUEENS BOROUGH PUBLIC LIBRARY
275 MADISON AVENUE, 37TH FLOOR
NEW YORK, NY 11211

JCB PROJECT #: 23-54704
MAY 2023

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1.0 Executive Summary

This Periodic Review Report (PRR) has been prepared by J.C. Broderick & Associates, Inc. (JCB), under the direction of, and reviewed by J. Pontieri, P.E., D.P.C. on behalf of the Queens Borough Public Library for the commercial property known as Queens West (Hunter Point) Parcel 8. The Site was accepted into the NYSDEC BCP through a Brownfield Cleanup Agreement (BCA) executed on March 30, 2005 (NYSDEC BCP Number: C241087). This report has been prepared to summarize the inspections and performances of the current Institutional Controls (ICs) and Engineering Controls (ECs) in use at the subject for the period May 16, 2021 through February 07, 2023 and document the overall progress of the current remedial activities.

The subject site is now the new Queens Borough Public Library located at 47-40 Center Boulevard, Queens, New York 11109. The subject site is located on the west side of Center Boulevard between 47th Road to the north and 48th Avenue to the south. The subject site consists of a 0.73-acre irregular parcel, which has been recently developed with a new multi-story building for the Queens Borough Public Library, Hunters Point Community Library. Remedial Investigations identified volatile organic and semi-volatile organic compounds in subsurface soils and groundwater beneath the subject site.

The ICs and ECs at the subject site are in compliance with the Site Management Plan (SMP). The ICs and ECs applied at the site are in place and unchanged from the previous PRR certification. Nothing has occurred that would impair the ability of such controls to protect the public health and the environment or constitute a violation or failure to comply with any element of the SMP for such controls. Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy.

The Sub-Slab Depressurization System (SSDS) has been in operation since August 7, 2019. The operation of the SSDS will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is no longer needed.

The latest round of monitoring and sampling results and remedy performance analysis are reported by Fleming Lee Shue Environmental Engineering and Geology D.P.C. (FLS) with offices located at 158 W 29th Street 9th floor, New York, New York in a Corrective Measures Work Plan Report dated December 20, 2022 and is attached in Appendix C. In summary, the results show that benzene in the treatment interval on Parcel 8 remains below pre-treatment conditions and exhibits among the lowest overall concentrations and the lowest variability to date. Naphthalene in the treatment interval, while remaining below the pre-treatment maximum concentrations, has increased in some wells and is higher than many post-treatment sampling events. It is, however, nonetheless at levels comparable to other post-treatment results. Below the treatment interval on Parcel 8, benzene increased in most wells and naphthalene concentrations are variable with increases in some wells and decreases in other wells. Overall, the decreases outweigh the increases and there appears a net reduction in naphthalene below the treatment interval.

Activities at the subject are in general compliance with the SMP. No changes to the SMP are recommended at this time. All Engineering Controls employed at this site are unchanged since the date that the Control was put in place. No changes to the Engineering Controls are recommended. No changes are recommended in the basic O&M plan.

The Periodic Review Report will continue to be submitted to the Department every year. The Periodic Review Report will be prepared in accordance with NYSDEC DER-10 and submitted within 30 days of the end of each certification period. No changes to the frequency for the submittal of the PPR are recommended at this time.

During this reporting period, the requirements for discontinuing site management have not been met. The next reporting period is February 07, 2023 through February 07, 2024. The PRR will be submitted to the Department no later than March 08, 2024.

2.0 Site Overview

2.1 Site Location and Description

The subject site is located at Queens West (Hunters Point) Parcel 8, now the new Queens Borough Public Library located at 47-40 Center Boulevard, Queens, New York 11109. The subject site is located on the west side of Center Boulevard between 47th Road to the north and 48th Avenue to the south. According to the United States Geological Survey (USGS) *Brooklyn, New York, 1995* 7.5 Minute Series Topographical Map, the subject site is situated at an approximate elevation of 15 feet (ft) above mean sea level. The subject site is designated as Block 199, Lot 21 on the Tax Map of the City of New York. The location of the subject site is shown on the Site Location Map, Figure-1.

The subject site consists of a 0.73-acre irregular parcel, which has been recently developed with a new multi-story building for the Queens Borough Public Library, Hunters Point Community Library (Figure 2). The surrounding area is characterized by a mix of commercial businesses (mostly retail), as well as residential properties. To the north of the subject site is a multi-story residential building with retail stores on the first floor. To the east, across Central Boulevard is a multi-story residential building with a child daycare facility on the first floor. To the south and west of the subject site is a portion of Gantry Plaza State Park and the East River.

2.2 Background Information

The Queens West (Hunters Point) Parcel 8 site is in the NYSDEC Brownfield Cleanup Program (NYSDEC Site No. C241087). Avalon Riverview II LLC and Avalon Riverview North1 LLC and Queens West Development Corp., or QWDC (collectively, the Volunteer) entered into a Brownfield Cleanup Agreement with the NYSDEC to remediate the site. The approved site remedial action was implemented under the oversight of the Volunteer's environmental consultant, Fleming-Lee Shue Environmental Engineering and Geology D.P.C. (FLS) of Long Island City, New York. The City of New York agreed to assume responsibility for the site remediation in May 2015. Redevelopment of the site was conducted under the conditions of the NYSDEC-approved Site Management Plan (SMP) dated December 2011 and revised November 2014. The annual inspection and the preparation of this PRR were performed in accordance with the SMP. An updated PRR Certification Form is provided in Appendix A.

The NYSDEC in a letter dated July 10, 2019, requested the re-installation of groundwater monitoring wells that were destroyed during site redevelopment. During this reporting period on May 24, 2021, the NYSDEC approved a Corrective Measures Work Plan (CMWP) prepared by FLS dated March 23, 2021. The CMWP included the re-installation of seven (7) groundwater monitoring wells, development, and quarterly groundwater monitoring, sampling, and analysis of the groundwater monitoring well network for a period of two (2) years following procedures specified in the SMP.

A Corrective Measures Work Plan Report was prepared by FLS on December 22, 2022 and accepted by the NYSDEC and New York State Department of Health on February 10, 2023. The Corrective Measures Work Plan Report and acceptance letter is attached in Appendix C and D respectively.

Nature of Soil Contamination

As reported in a 2008 Parcel 8 Remedial Investigation Report, Benzene was the only volatile organic compound exceeded the SCO of 44,000 ug/kg in SB-29 (13-15 ft-bg) at a concentration of 115,000 ug/kg.

SVOCs were reported at concentrations in excess of the SCOs in several soil borings at varying depths. The SVOCs reported in excess of the SCOs are members the PAHs, which are often present

in historic urban fill and are also components of products such as fuel oils, coal tars, and creosote. SCO exceedances for PAHs were reported in all samples collected from the 2 to 4 ft bg depth interval, which consists of historic urban fill. In general, the highest elevated concentrations of PAHs were reported in samples collected from soils exhibiting visual indications of NAPL. In particular, soil samples SB-29 (13-15 ft), SB-29 (19-20 ft), SB-35 (18-20 ft), MW-22 (12-13 ft), MW-22 (17.5-18.5 ft), SB-26 (13-14.5 ft), and SB-26 (19-21ft), which exhibited visual indications of coal tar/creosote, were reported as containing the highest concentrations of PAHs. Soil samples containing elevated concentrations of PAHs largely consisted of medium to coarse sands collected from approximately 12 to 31 ft bg, which is within the saturated zone.

Below two feet, arsenic exceeded the SCO of 16 mg/kg in four locations: SB40 (2-4'), 17.5 mg/kg; SB35 (2-4'), 17.8 mg/kg; MW22 (12-13'), 24 mg/kg; and QW-SB-7(7-9'), 19.5 mg/kg. Copper exceeded the SCO of 270 mg/kg in one location: SB36 (2-4'), 325 mg/kg. All other toxic metal results were below the SCOs.

Only one sample location greater than two feet below grade contained PCBs above the SCO of 1,000 ug/kg. Total PCBs in Sample SB31 (2-4') measured 55,100 ug/kg.

Nature of Groundwater Contamination

Residual NAPL was observed in 12 of the 16 soil borings. It occurred in individual lenses that ranged in thickness from 0.5 feet or less to 14 feet. Overall, residual NAPL thickness ranged from 1 foot to approximately 17 feet. A lens is a discrete bond versus the overall thickness, which is the distance from the top of where NAPL appeared to the last depth where it appeared. Typically, NAPL first appeared near the water table, approximately 9 to 11 ft-bg, and continued to approximately 23 to 25 ft-bg and 27 to 30 ft-bg.

BTEX concentrations in groundwater ranged from 1 ug/L to 24,120 ug/L. The middle 50 percent of the results lie within approximately 1,240 ug/L and 4,330 ug/L. The three highest measurements appear in samples MW-16(S), 21,220 ug/L; MW-9(D), 21,610 ug/L; and MW 14(S), 24,120 ug/L, all of which are in the middle and southwest corner of Parcel 8. (MW-9 and MW-16(S) is a nested pair.) The two off-Site, upgradient wells, MW-2(D) and MW-8(D) also contained BTEX in concentrations of 1,946 ug/L and 563 ug/L, respectively.

The SVOCs detected are essentially all PAHs and phenol. Acenaphthene concentrations ranged from 1 ug/L to 405 ug/L with a median concentration of 227 ug/L. Acenaphthene exceeded the TOGS GA criterion of 20 ug/L in all samples except in MW10. Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(g,h,i)perylene were below detection limits in most wells, but exceeded their collective TOGS GA criterion of 0.002 ug/L in four wells where their concentrations ranged from 1.9 ug/L to 27 ug/L. All of the detections of these compounds at concentrations greater than 1 ug/L occurred in four shallow wells: MW14(S), MW16(S), MW20(S), and MW23(S). Chrysene and benzo(a) anthracene and exceeded their collective TOGS GA criterion of 0.002 ug/L in six and eight wells, respectively, where their concentrations ranged from 0.41 ug/L to 27.3 ug/L. All of the concentrations of these compounds greater than 1 ug/L occurred in shallow wells: MW14(S), MW16(S), MW20(S), MW23(S), MW-17(S), and MW-21(S). The exception was with the exception of benzo(a) anthracene in MW-15 (D) and MW-19 (D) where it measured 0.14 ug/L and 0.44 ug/L, respectively.

Naphthalene concentrations ranged from ND to 17,300 ug/L in MW-11 (D). Naphthalene was below detection limits in four wells, MW-23 (S), MW-15 (D), MW-8 (D), off-Site, and MW- 12 (D). The concentrations greater than 5,000 ug/L occurred in an hourglass-shaped pattern in wells near the middle, northwest, southwest, and southeast corners of the Site. The average naphthalene

concentrations were approximately 1.6 times greater in the deeper wells (average of 10.1 mg/L) than the shallow wells (6.5 mg/L).

Arsenic concentrations in wells on Parcel 8 ranged from ND to 21.5 ug/L which are all below the TOGS 1.1.1 AGWS criterion of 25 ug/L. Lead exceeded the TOGS criterion of 25 ug/L in two samples: MW-20(S), 27.9 ug/L and MW14(S), 66 ug/L. Mercury was ND in all wells except for MW-14(S) where it measured 1.1 ug/L compared to the TOGS criterion of 0.7 ug/L. Manganese concentrations ranged from approximately 89 ug/L to 2,160 ug/L. Manganese exceeded the TOGS criterion of 300 ug/L in a few wells and the highest concentration occurred at MW-14(S) where other metals were elevated due to reducing conditions.

Nature of Soil Vapor Contamination

Shallow soil gas sampling was conducted to assess whether shallow soil contains unacceptable levels of contaminants and to assess the potential for soil gas to enter a structure. Benzene concentrations ranged from ND to a maximum concentration of 37.4 ppbv. Benzene was ND in 2 out of 11 samples. The median concentration measured 2.7 ppbv and the mean 8.5 ppbv. Toluene concentrations ranged from ND to a maximum concentration of 21.2 ppbv. Toluene was detected in 10 out of 11 samples. The median concentration measured 3.8 ppbv and the mean 5.5 ppbv. Naphthalene, despite occurring at elevated concentrations at depth, in both soils and groundwater, was barely detectable in the shallow soil gas. Naphthalene was detected in 2 out of 11 samples. The maximum naphthalene concentration was 3 ppbv.

2.3 Remedial Program

Excavation

Remove all soil on Parcel 8 from grade to 4 ft-bg. This aspect of the remedial action will remove a significant portion of Site soils that exceed the Commercial Use SCOs. Remove Hot Spot areas that exceed the Commercial Use SCOs for copper, barium, or arsenic, and PCBs to the depth of the water table and/or the maximum depth possible without sheeting or shoring. Bottom and sidewall post-excavation samples were collected to identify any residual concentrations for future site management.

From October 18, 2011, through December 5, 2011, approximately 7,665 tons of contaminated soil were removed by excavation and transported to Soil Safe, Inc., Logan Twp., New Jersey, CWM Chemical Services, LLC, Model City, New York, and Atlantic Counties Utility Authority, Egg Harbor Twp. New Jersey by certified waste haulers.

Soil / Groundwater Treatment

The treatment remedy for Parcel 8 was in situ chemical injection using sodium persulfate, sodium hydroxide, and a plant-based surfactant. Sodium persulfate was the oxidant and was activated by the addition of sodium hydroxide to raise the pH. The plant-based surfactant, VeruSOL®, was added to aid in the dissolution of the coal tar to make it available for chemical oxidation. In all, 334,000 lbs. of sodium persulfate, 136,300 lbs. of sodium hydroxide and 65,000 lbs. of surfactant were injected over a 5-month treatment period (October 25, 2010, through March 30, 2011). The bulk of the treatment targeted the zone from 10 feet below grade (ft-bg) to 22 ft-bg. Using randomly selected pre-treatment soil samples, an estimated 47,000 lbs. of coal tar contaminant was slated for treatment. Treatment was completed using the RemMetrik® process, which, in this instance, used subsurface pressure waves generated by Wavefront Technology Solutions Inc. Primawave™ process.

No significant changes to the selected remedy have been made since remedy selection.

Soil Cover System

Exposure to remaining contamination in soil/fill at the site is prevented by a Soil Cover system currently present over the site. The installation of the Soil Cover system consisting of, at a minimum, 2 feet of clean soil and/or 6 inches of asphalt or concrete. The final composite cover system includes the library and park ranger station foundations, which are slab-on-grade construction that does not extend beneath the demarcation layer.

No significant changes to the selected remedy have been made since remedy selection.

3.0 IC/EC Plan Compliance Report

Since remaining contaminated soil, groundwater and soil vapor exists beneath the site, Institutional Controls (ICs) and Engineering Controls (ECs) were put in place to protect human health and the environment.

3.1 IC/EC Requirements and Compliance

The IC/ECs at the Site are in compliance:

- The ICs and ECs applied at the site are in place and unchanged from the previous certification in the FER and subsequent Period Review Reports,
- Nothing has occurred that would impair the ability of such controls to protect the public health and the environment, or constitute a violation or failure to comply with any element of the SMP for such controls, and,
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of such controls.

3.2 Institutional Controls

The Site remedy requires that an environmental easement be placed on the property to (1) implement, maintain, and monitor the Engineering Controls; (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 commercial or industrial uses only.

The environmental easement for the site was executed by the Department on August 25, 2011 and filed with the Queens County Clerk on August 26, 2011. The County Recording Identifier number for this filing is 2011090700456001. A copy of the easement and proof of filing is provided in the FER.

All Institutional Controls employed at this site are unchanged since the date that the ICs were put in place, specifically:

- The required Engineering Controls (ECs) have been implemented, maintained, and monitored,
- No significant disturbances of the subsurface contamination have occurred that would allow for exposure to contamination, and,
- Site use remains commercial or industrial uses only as specified in the Notice of Completion. No redevelopment has occurred. The Site is currently utilized as a public library as it was prior to this reporting period.

No changes to the Institutional Controls are recommended.

3.3 Engineering Controls

Exposure to remaining contamination in soil/fill is prevented by a Soil Cover system currently present over the site. This cover system is comprised of a minimum of two feet of NYSDEC-approved fill and/or six inches of concrete underlain by a demarcation layer to delineate the cover soil from the

subsurface soil. The final composite cover system includes the library and park ranger station foundations, which are slab-on-grade construction that do not extend beneath the demarcation layer.

Soil vapor barriers were installed beneath the library and park ranger station buildings. These barriers were installed with a minimum of 20-mil PVC sheeting below the concrete floor slabs and have continuous water stops at the construction joints and utility openings. Although the soil vapor barrier cannot be inspected, no foundation cracks or new slab penetrations were observed during the annual site wide inspection.

In addition, the site has three (3) sub-slab depressurization systems (SSDSs) below the vapor barrier to further minimize potential of soil vapor intrusion. The SSDSs became operation on August 7, 2019 and are located at the library building, the library annex building, and the park ranger station building. System baseline and start-up testing indicate that the systems are performing in compliance with SSDS requirements. The operation of the SSDSs will continue until the Department determines they are no longer necessary.

The systems have operated consistently since inception with no down time.

All Engineering Controls employed at the subject site are unchanged since the date that the Engineering Controls were put in place.

No changes to the Engineering Controls are recommended.

3.4 IC/EC Certification

The completed Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form is attached in Appendix 1.

4.0 Monitoring Plan Compliance Report

Remedial activities were completed at the site in August 2019 in compliance with the NYSDEC-approved RAWP and residual contamination is managed under the requirements of the SMP.

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the site, the Soil Cover system, and all affected site media.

4.1 Components of the Monitoring Plan

The components of the Monitoring Plan Include:

Table No.: 1
Monitoring Components

Monitoring Program	Frequency*	Matrix	Analysis
Cover System	Annual	Soil	Visual Inspection
On-Site Monitoring Well Network	Quarterly for the next two years**	Groundwater	See List
Sub-slab Depressurization System	Annual	Equipment	Visual Inspection

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH.
** Monitoring well gauging, sampling, and analysis frequency was modified to quarterly as of the Corrective Measures Work Plan approved by the NYSDEC and NYSDOH on May 24, 2021 and will be performed and reported by FLS for the next two (2) years.

Soil Cover System Monitoring

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system placed over the site. Subsequent to the site remedial excavation work, FLS documented the placement of the Site demarcation layer across the entire site at elevations ranging from 3 feet to 4 feet above mean sea level (amsl), Queens Borough Datum. FLS placed recycled concrete aggregate (RCA) meeting site use criteria at thicknesses ranging from 3 feet to 6 feet above the demarcation layer. During construction of the library, additional soil meeting site reuse criteria was imported for the final cover system. The final site cover consists of the site building slabs, lawn/landscape areas, concrete sidewalk areas and concrete plank covered areas. The final site grades range from approximately 10 feet to 11.5 feet amsl. The thickness of the cover is in excess of 4 feet in all locations across the Site.

In conjunction with the final cover work, existing well casings in the lawn area were modified to meet final site grades and new at-grade steel outer casings were installed. The new modified casing elevations are as follows: MW-9 (10.81 feet amsl); MW-10 (10.82 feet amsl); MW-16S (11.82 feet amsl).

On June 15, 2022, an annual site inspection was performed by Steven Muller, P.G. and Jason Pontieri, P.E. No deformities or holes that could compromise the cover system were observed during the annual site inspection.

On-Site Monitoring Well Network

The monitoring well network was gauged on a quarterly schedule by various environmental contractors. JCB began provided monitoring and reporting services for the Queens Borough Public Library in December 2019. On March 5, 2020, the NYSDEC requested the reinstallation of several groundwater monitoring wells that were destroyed during redevelopment of the site under a Corrective Action Work Plan. FLS reinstalled seven (7) groundwater monitoring wells per the approved CMWP between September 27 and September 29, 2022.

The monitoring well network was sampled by FLS on October 19, 20, and 21, 2022 and on November 8, 2022. The results of the monitoring and sampling was reported by FLS in a Corrective Measures Work Plan Report dated December 20, 2022 and is attached in Appendix C.

SSDS Operation

Monitoring the operation of the SSDSs included visual inspection of the vacuum gauges to evaluate the status of the blowers for proper operation.

On June 15, 2022, an annual inspection of the three (3) SSDSs were performed by Steven Muller, P.G. and Jason Pontieri, P.E. All equipment gauges were within their typical ranges and were observed to be performing within specifications.

4.2 Summary of Monitoring Completed During Reporting Period

The following summarizes monitoring activities at the site conducted during this monitoring period. JCB conducted SSDS inspections, groundwater monitoring and sampling at a reduced 15-month schedule, and annual soil cover system inspection at the subject site from December 2019 through June 2022.

Table No.:2
Summary of Site Monitoring

Site Inspection Date	Cover System	On-Site Monitoring Well Network	SSDS Operation
12/20/2019		X	X
03/19/2020		Building Closed	
06/30/2020	X	X	X
09/24/2020			X*
06/15/2022	X		X
10/19/2022		X**	

* Inspection frequency reduced to annual per SMP
** The monitoring well network was sampled by FLS

4.3 Comparisons with Remedial Objectives

Monitoring well gauging, sampling, and analysis frequency was modified from 15 months to quarterly after the installation of replacement wells which were completed in September 2022. The latest groundwater sampling was performed and reported by FLS in a Corrective Measures Work Plan Report dated December 20, 2022 and is attached in Appendix C. To be consistent with previous reporting, the trends for benzene and naphthalene are summarized in Table 3 on the following page.

Table No.: 3
Summary of Benzene and Naphthalene Detections September 2017 – October 2022 µg/L

Well ID	Compound	Sample Date										
		09/2017	12/2017	03/2018	06/2018	09/2018	12/2018	03/2019	06/2019	12/2019	06/2020	10/2022
MW-24S	Benzene	NS	NS	6.5	NS	NS	NS	0.83	NS	NS	NS	ND
	Naphthalene	NS	NS	180	NS	NS	NS	ND	NS	NS	NS	13.6
MW-24D	Benzene	NS	NS	30.9	NS	NS	NS	10.5	NS	NS	NS	7.8
	Naphthalene	NS	NS	370	NS	NS	NS	ND	NS	NS	NS	10.6
MW-25S	Benzene	NS	NS	12.2	NS	NS	NS	0.49	NS	NS	NS	ND
	Naphthalene	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND
MW-25D	Benzene	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND
	Naphthalene	NS	NS	ND	NS	NS	NS	ND	NS	NS	NS	ND
MW-26S	Benzene	3,900	3,200	3,000	4,100	3,200	4,000	3,300	4,100	3,400	NS	690
	Naphthalene	3,500	250	6,100	5,600	5,000	4,300	1,500	10,900	9,820	NS	17,300
MW-26D	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	15,400
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14,300
MW-27S	Benzene	700	360	640	810	1,200	150	380	490	52.0	36.0	68.6
	Naphthalene	75.1	34.2	240	94	71.9	35.4	98.7	57.9	3.95	2.98	11.1
MW-27D	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.1
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	793
MW-30S	Benzene	NS	NS	NS	NS	ND	NS	ND	NS	NS	ND	ND
	Naphthalene	NS	NS	NS	NS	ND	NS	ND	NS	NS	0.140	ND
MW-30D	Benzene	89.5	NS	440	NS	72.8	NS	850	NS	NS	NS	421
	Naphthalene	7,800	NS	3,900	NS	7,500	NS	9,100	NS	NS	NS	1,660

Notes:
Reported Concentrations in µg/L = parts per billion
NS = Not Sampled
ND = Not Detected Above Laboratory Minimum Detection Limit

The October 2022 benzene data reported a decrease in concentration (compared to the most recent previous sample event) in all wells except MW-26D and MW-27S. FLS concluded that the results show that benzene in the treatment interval on Parcel 8 remains below pre-treatment conditions and exhibits among the lowest overall concentrations and the lowest variability to date.

The October 2022 naphthalene data reported an increase in concentration (compared to the most recent previous sample event) in most wells. FLS concluded that naphthalene in the treatment interval on Parcel 8, while remaining below the pre-treatment maximum concentrations, has increased in some wells and is higher than many post-treatment sampling events. It is, however, nonetheless at levels comparable to other post-treatment results.

4.4 Monitoring Deficiencies

The 2nd Quarter 2021 monitoring well gauging and sampling was not performed in March 2021. On March 23, 2021, FLS prepared a Corrective Measures Work Plan (CMWP) for the installation of replacement wells that were destroyed during redevelopment. The CMWP also includes the sampling of the new monitoring wells along with the existing groundwater monitoring well network. On May 24, 2021, the NYSDEC approved the CMWP which will be performed by FLS, as a result JCB postponed the monitoring and sampling schedule.

The annual inspection of the SSDSs was not performed in 2021 but did continue in 2022. During that inspection, the three (3) SSDSs were operating as designed with no recorded down time.

4.5 Conclusions and Recommendations for Changes

The current monitoring network is adequate to evaluate the remedy and engineering controls.

No other recommendations for changes to the monitoring system are being made at this time.

5.0 Operation & Maintenance (O&M) Plan Compliance Report

5.1 Components of O&M Plan

Cover System

The cover system currently associated with the site (and any modified cover system associated with site improvements when it occurs) will be monitored annually. This inspection is to identify deformities such as cracks, or holes which may compromise the cover system. If deformities are observed, necessary repairs will be made and reported in the Periodic Review Report.

Sub-Slab Depressurization System

The SSDS provides a vacuum beneath the vapor barrier and captures any fugitive contaminated soil vapor that may be present and preventing them from entering the buildings.

To ensure proper operation of the system, the vacuum on the influent air should not exceed the manufacturer's high vacuum switch setting. An adjustable high vacuum switch is pre-set at the factory to shut down the blower when the vacuum exceeds the blower rating. Vacuum in excess of the specified values can overheat and damage the blower motor. Monitor the vacuum by referring to the vacuum gauge mounted closest to the blower.

Maintenance of the SSDSs includes checking vacuum gauges to ensure that maximum vacuum is not exceeded, check all switches for proper operation, check all wiring for loose connections, and check for loose fittings and bolts.

Suspect or malfunctioning instrumentation will be tested, calibrated, repaired or replaced as the situation indicates.

The operation of the components of the SSDS will continue until the Department determines that continued operation is no longer needed.

5.2 Summary of O&M Completed During Reporting Period

No O&M was required during this monitoring period.

5.3 Evaluation of Remedial Systems

Each component of the remedy subject to the O&M requirements performed as designed/expected.

5.4 O&M Deficiencies

Groundwater monitoring and sampling was postponed to incorporate the new replacement wells into the monitoring and sampling schedule.

The annual inspection of the SSDSs was not performed in 2021 but did continue in 2022. During that period the three (3) SSDSs were operating as designed with no recorded down time.

No other deficiencies in complying with the O&M Plan was identified during this reporting period.

5.5 Conclusions and Recommendations for Improvements

No Changes are recommended in the basic O&M Plan at this time.

6.0 Overall PRR Conclusions and Recommendations

The remedy continues to be adequately managed as set forth in the SMP and continues to be protective of human health and the environment. The subject site is in general compliance with the applicable requirements as presented in the SMP.

6.1 Compliance with SMP

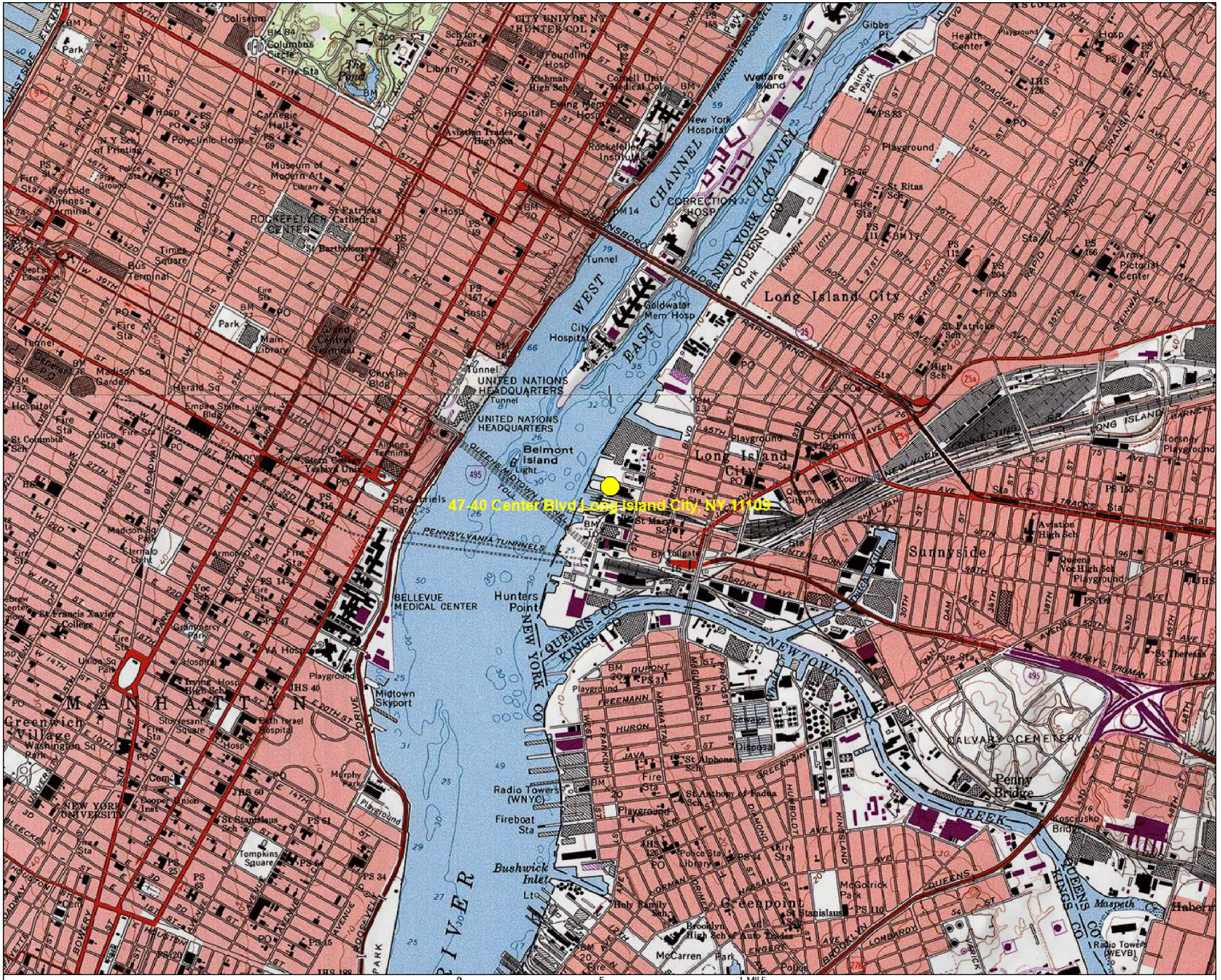
Activities at the subject site are in substantial compliance with the SMP.

6.2 Performance and Effectiveness of the Remedy

The latest round of monitoring and sampling results and remedy performance analysis are reported by FLS in a Corrective Measures Work Plan Report dated December 20, 2022 and is attached in Appendix C. In summary, the results show that benzene in the treatment interval on Parcel 8 remains below pre-treatment conditions and exhibits among the lowest overall concentrations and the lowest variability to date. Naphthalene in the treatment interval, while remaining below the pre-treatment maximum concentrations, has increased in some wells and is higher than many post-treatment sampling events. It is, however, nonetheless at levels comparable to other post-treatment results. Below the treatment interval on Parcel 8, benzene increased in most wells and naphthalene concentrations are variable with increases in some wells and decreases in other wells. Overall, the decreases outweigh the increases and there appears a net reduction in naphthalene below the treatment interval.

6.3 Future PRR Submittals

The Periodic Review Report will continue to be submitted to the Department every year as required by the SMP.



JCB LEGEND

SUBJECT SITE

0 .5 1 MILE

0 1000 FEET 0 500 1000 METERS

Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)

JCB

J.C. BRODERICK & Associates

Environmental Consulting and Testing

1775 Express Drive North

Hauppauge, NY 11788

Phone: (631).584.5492

Fax: (631).584.3395

Notes:

Queens Public Library at Hunters Point

47-40 Center Boulevard

Long Island City, NY 11109

NYSDEC Site ID: C241087

Drawing Title

Figure No. 1

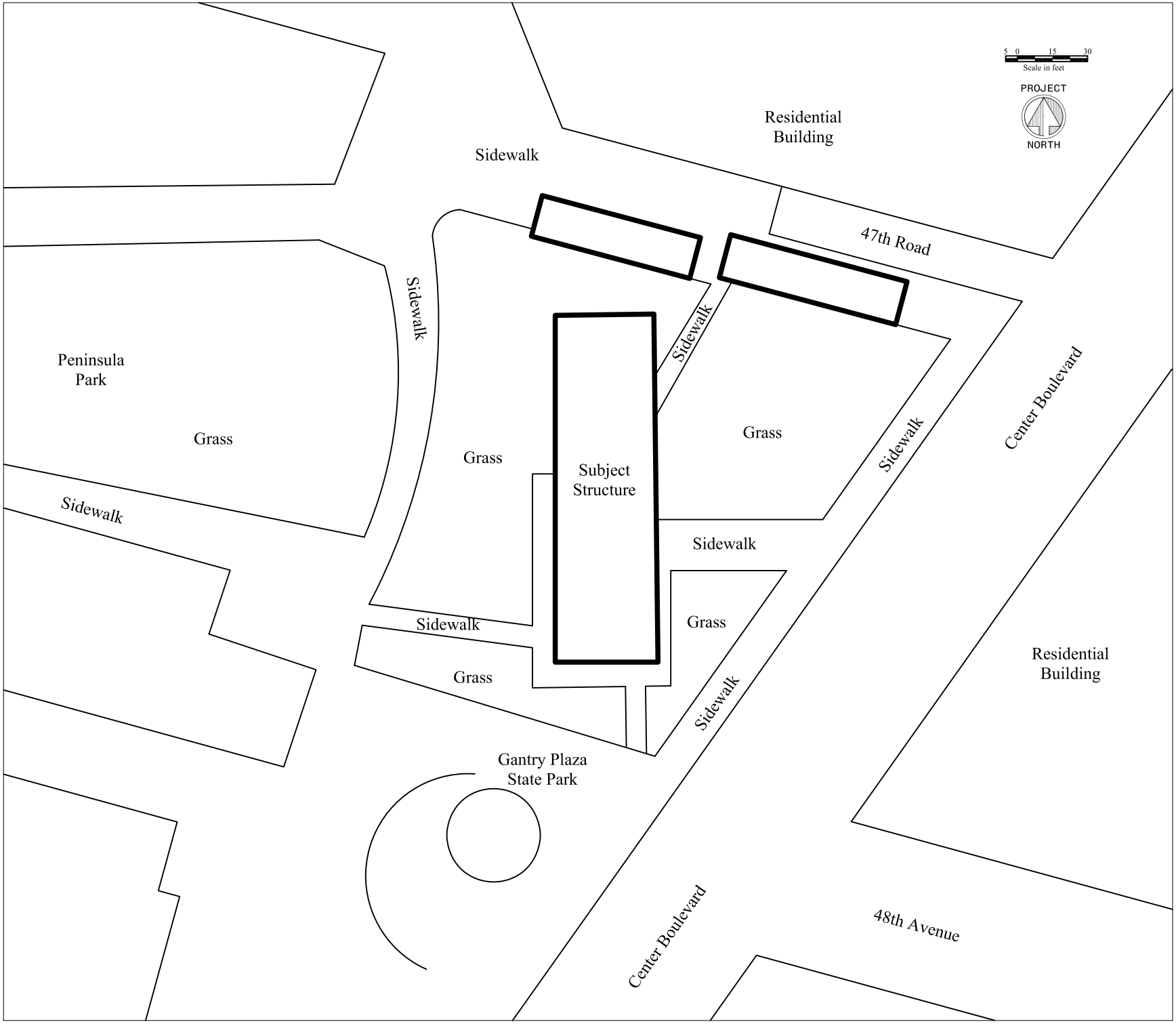
Site Location Map

Scale	Project No.	Date
As Noted	23-54704	05-2023

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	1 of 2

Drawing No.

1



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Environmental Consulting and Testing
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Fax: (631).584.3395

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Queens Public Library at Hunters Point
47-40 Center Boulevard
Long Island City, NY 11109

NYSDEC Site ID:
C241087

Drawing Title

Figure No. 2

Surrounding Use Map

Scale	Project No.	Date
As Noted	23-54704	05-2023

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	2 of 2

Drawing No.

2

APPENDIX A:
IC/EC Certification Form
and
Site Inspection Form



J.C. Broderick & Associates, Inc.
Environmental Consulting & Testing
1775 Expressway Drive, North
Hauppauge, New York 11788
631.584.5492 fax 631.584.3395

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. C241087

Site Name Queens West (Hunter's Point) Parcel 8

Site Address: Center Blvd. and 47th Rd. and 48th Ave. Zip Code: 11101
City/Town: Long Island City
County: Queens
Site Acreage: 0.736

Reporting Period: May 16, 2021 to February 07, 2023

	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? Commercial and Industrial	X	☐
7. Are all ICs 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?	☐	X

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐

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. C241087 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
19-21	Queens West Development Corporation	Landuse Restriction Monitoring Plan O&M Plan Ground Water Use Restriction Soil Management Plan Site Management Plan IC/EC Plan

(I) Tbe Controlled Property may be used for Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial
as described in 6 NYCRR Part 375-1.8(g)(2)(iv);
(2) All Engineering Controls must he operated and maintained as apecified in the Site Management Plan (SMP);
(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.
(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
(5) Data and information pertinent to Site Management oftbe Controlled Property must be reported at the frequency and in a manner defined in the SMP;
(6) All future activities on the property that will distUrb remaining contaminated material must be conducted in accordance with the SMP;
(7) Monitoring to assess the performance and effectiveness of the remedy must he perfonoed as defined in the SMP;
(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall he performed as defined in the SMP;
(9) 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 ownCI'to
assure·compliance with the restrictions identified by this Enviromnental Easement.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
19-21	Cover System Vapor Mitigation

The Engineering Controls for this Site include a composite cover over the entire site and a vapor barrier plus sub-slab depressurization system for any occupied structures to be built on the site.

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 Engineering Control certification;

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

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C241087

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 Steven Muller, P.G. at 1775 Expressway Drive North, Hauppauge, New York 11788,
print name print business address

am certifying as Designated Representative (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

May 5, 2023
Date

EC CERTIFICATIONS

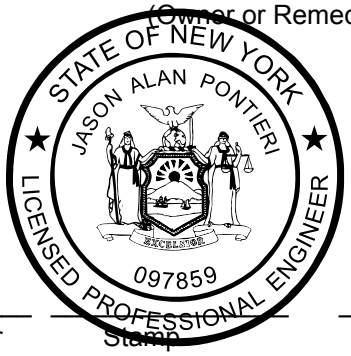
Box 7

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 Jason Pontieri, P.E. at 16 Commercial Blvd., Suite 1A, Medford, NY 11763,
print name print business address

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



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

Stamp (Required for PE)

5/3/2023
Date

SITE INSPECTION FORM

Queens West (Hunter's Point) Parcel 8
Long Island City, NY

Inspector: Steven Muller, JCB

Date: 6/15/2022

1. Landscaped Areas

Adequate top soil cover present? YES

Signs of Erosion? NO

Recommended corrective action, if needed. NONE

2. Outdoor paving/sidewalks

Note any signs of cracking or other damage NONE

Note any areas where greater than 25% of surface is cracked/damaged NONE

Recommended corrective action, if needed. NONE

3. Lower level garage slab

Note any signs of cracking or other damage NONE

Note any areas where greater than 25% of surface is cracked/damaged NONE

Recommended corrective action, if needed. NONE

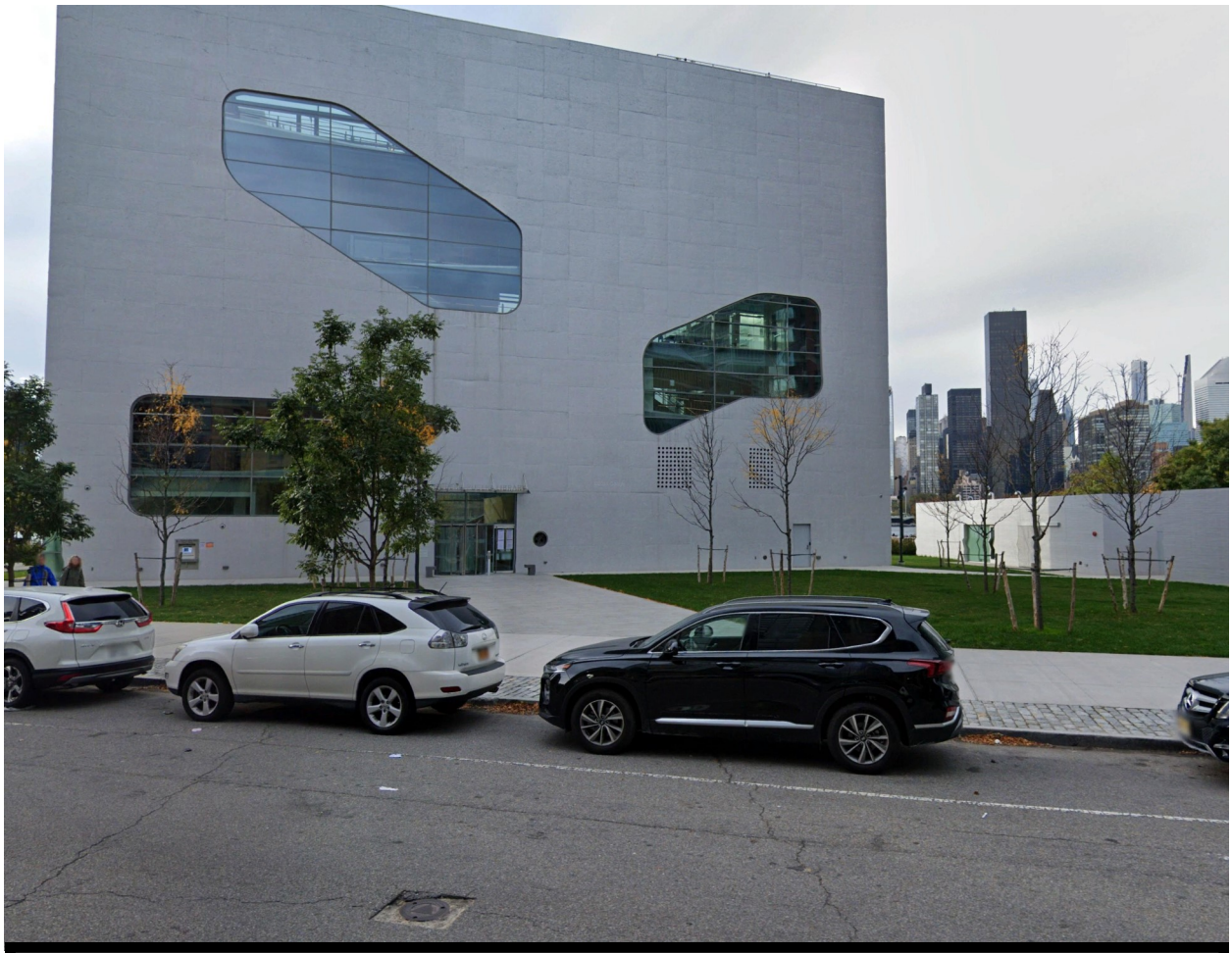
Signature/Date

APPENDIX B:
Site Photolog



J.C. Broderick & Associates, Inc.
Environmental Consulting & Testing
1775 Expressway Drive, North
Hauppauge, New York 11788

Subject Site



Field Photograph Log

New York State
Brownfield Cleanup Program

Queens West (Hunters Point) Parcel 8
47-40 Center Boulevard
Queens, New York 11101
BCP ID No.: C241087

Photo No. 01

JCB#: 23-54704

SSDS Blower Location on Roof of Library



Field Photograph Log

New York State
Brownfield Cleanup Program

Queens West (Hunters Point) Parcel 8
47-40 Center Boulevard
Queens, New York 11101
BCP ID No.: C241087

Photo No. 02

JCB#: 20-46491

SSDS Gauge Package



Field Photograph Log

New York State
Brownfield Cleanup Program

Queens West (Hunters Point) Parcel 8
47-40 Center Boulevard
Queens, New York 11101
BCP ID No.: C241087

Photo No. 03 **JCB#: 23-54704**

SSDS Control Panel (Typ)



Field Photograph Log

New York State
Brownfield Cleanup Program

Queens West (Hunters Point) Parcel 8
47-40 Center Boulevard
Queens, New York 11101
BCP ID No.: C241087

Photo No. 04 **JCB#: 23-54704**

SSDS Blower Location on Roof of Parks Building



Field Photograph Log

New York State
Brownfield Cleanup Program

Queens West (Hunters Point) Parcel 8
47-40 Center Boulevard
Queens, New York 11101
BCP ID No.: C241087

Photo No. 05 **JCB#: 23-54704**

APPENDIX C:
Fleming Lee Shue
Corrective Measures Work Plan
Report, December 20, 2022



J.C. Broderick & Associates, Inc.
Environmental Consulting & Testing
1775 Expressway Drive, North
Hauppauge, New York 11780

Fleming Lee Shue

December 20, 2022

Ms. Sondra Martinkat
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street,
Long Island City, New York 11101

Re: **Queens West Development – Parcel 8, Long Island City, NY**
Corrective Measures Report
Quarterly Groundwater Sampling, Report 1
Fourth Quarter 2022
BCP Site No. C241087

Dear Ms. Martinkat:

Fleming, Lee Shue Environmental Engineering and Geology D.P.C. (FLS) is presenting this Corrective Measures Work Plan (CMWP) Report for Brownfield Cleanup Program (BCP) Site No. C241087 (Parcel 8) ("Site") under the CMWP approved by the Department on May 24, 2021. This report documents re-installation of seven monitoring wells and presents the results of the first quarterly groundwater sampling under the CMWP.

The Site is in Long Island City, New York and borders Voluntary Cleanup Program (VCP) Site No. V00505A (Queens West Operable Unit [OU] 1) on the north; VCP Site No. V000194A, Center Boulevard, on the east; Gantry Plaza State Park on the south; and Peninsula Park on the west.

The treatment remedy for Parcel 8 was *in situ* chemical injection using sodium persulfate, sodium hydroxide, and a plant-based surfactant. Sodium persulfate was the oxidant and was activated by the addition of sodium hydroxide to raise the pH. The plant-based surfactant, VeruSOL®, was added to aid in the dissolution of the coal tar to make it available for chemical oxidation. In all, 334,000 lbs. of sodium persulfate, 136,300 lbs. of sodium hydroxide and 65,000 lbs. of surfactant were injected over a 5-month treatment period (October 25, 2010, through March 30, 2011). The bulk of the treatment targeted the zone from 10 feet below grade (ft-bg) to 22 ft-bg. Using randomly selected pre-treatment soil samples, an estimated 47,000 lbs. of coal tar contaminant was slated for treatment. Comparison of pre-treatment and post-treatment soil contaminant mass estimates indicated that over 90 percent of the contaminant had been destroyed. Treatment was completed using the RemMetrik process, which, in this instance, used subsurface pressure waves generated by Wavefront Technology Solutions Inc. Primawave™ process.

The SMP calls for two years of quarterly groundwater sampling in order to evaluate current groundwater conditions and to evaluate the overall effect of remediation. (Two years of quarterly sampling ended in December 2013 and semiannual monitoring ended in 2015.)

Table 1 lists the monitoring wells sampled, the respective analyses, and sampling frequency. A Site Plan showing the locations of the monitoring wells is included as Figure 1.

Table 1 – Summary of Groundwater Analyses

Well	TCL VOCs	TCL SVOCs	Sulfate	Sulfide	Iron	Alkalinity	CO_2 & CH_4
Parcel 8							
MW9	x	x	x	x	x	x	x
MW15(D)	x	x	x	x	x	x	x
MW16(S)	x	x	x	x	x	x	x
MW20(S)	x	x	x	x	x	x	x
MW7R	x	x	x	x	x	x	x
MW10	x	x	x	x	x	x	x
MW11(D)	x	x	x	x	x	x	x
MW19(D)	x	x	x	x	x	x	x
MW-20(S)	x	x	x	x	x	x	x
MW21(S)	x	x	x	x	x	x	x
MW17(S)	x	x	x	x	x	x	x
Peninsula Park							
MW24(S)	x	x	x	x	x	x	x
MW24(D)	x	x	x	x	x	x	x
MW25(S)	x	x	x	x	x	x	x
MW25(D)	x	x	x	x	x	x	x
MW26(S)	x	x	x	x	x	x	x
MW26(D)	x	x	x	x	x	x	x
MW27(S)	x	x	x	x	x	x	x
MW27(D)	x	x	x	x	x	x	x
Gantry Plaza State Park							
MW30(S)	x	x	x	x	x	x	x
MW30(D)	x	x	x	x	x	x	x

Data validation was completed by an in-house chemist for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) and the data usability summary reports (DUSRs) are included as Attachment A. Data review and validation found all data usable for the intended purpose with the understanding of potential uncertainty in qualified data.

The data were submitted to NYSDEC as an Electronic Data Deliverable (EDD) in accordance with Section 1.15 of NYSDEC's May 2010 *DER-10 Technical Guidance for Site Investigation and Remediation*. The EDD was submitted on December 19, 2022.

MONITORING WELL INSTALLATION

FLS re-installed seven monitoring wells per the approved CMWP between September 27 and September 29, 2022. The following wells were re-installed:

Table 1 – Well Screen Intervals
ft. below Grade

Well	Screen Top	Screen Bottom
MW-17(S)	6	16
MW-11(D)	19	29
MW-20(S)	6	16
MW-15(D)	19	29
MW-16(S)	8.5	18.5
MW-21(S)	6	16
MW-7R	17	27

Originally, MW-9 was to be re-installed, but FLS found that this well was still in place and that the shallow well, MW-16(S), had been abandoned. MW-16(S) was then re-installed. MW-7R was screened slightly higher than planned due to refusal. The wells were developed during installation and groundwater sampling. Well construction logs are included in Attachment B.

GROUNDWATER SAMPLING & ANALYSIS

Well purging and groundwater sampling were conducted in accordance with the approved Quality Assurance Project Plan (QAPP) and in accordance with the NYSDEC-approved SMP. Each well was purged using a low flow pump, ensuring minimum turbulence to prevent an increase in suspended solids. Each well was purged until groundwater parameters (temperature, pH, dissolved oxygen [DO], conductivity, oxidation reduction potential [ORP], and turbidity) stabilized or three well volumes were purged, or the well purged dry. The typical purge rates measured 200 to 240 milliliters per minute (mL/minute). Well purge logs are included as Attachment C.

FLS conducted groundwater monitoring and sampling on October 19, 20, and 21, 2022 and on November 8, 2022. The samples were analyzed by SGS Laboratories of Dayton, New Jersey, a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory. A copy of the laboratory data report is included as Attachment D. The groundwater samples were managed in accordance with the NYSDEC Analytical Services Protocol (ASP) and analyzed for the following analyses/methods:

- Target Compounds List (TCL) VOCs, EPA Method 8260B
- TCL SVOCs, EPA Method 8270C
- Iron, EPA Method SW846 6010C
- Sulfate, EPA Method 300/SW846 9056A
- Sulfide, Method SM20 4500S2 F
- Alkalinity, Method SM20 2320B
- Carbon Dioxide, Method RSK 175

- Methane, Method RSK 175

Quality assurance/quality control (QA/QC) samples were collected during sampling. QA/QC samples included two trip blanks, one field blank, and one duplicate sample.

All groundwater purge waste and soil cuttings were stored in covered, 55-gallon, Department of Transportation-approved steel drums which were sealed at the end of each workday. Each drum was labeled with the date, waste type (purge water or soil), Hazardous Waste label, and a point of contact. FLS sought and obtained a Contained-In Determination for each waste batch.

Water level measurements were collected in the monitoring wells as part of sampling and were used to prepare shallow and deep groundwater contour maps as shown in Figures 2A and 2B, respectively. Synoptic groundwater measurements were collected on November 15, 2022. Figure 3 shows the contaminant mass prior to treatment.

Groundwater Flow

Shallow groundwater flow is to the west toward the East River, as expected. Deep groundwater flow diverges from a groundwater divide on the western side of Parcel 8. West of the divide groundwater flows west toward the East River and east of the divide groundwater flows east toward Center Boulevard. This is likely caused by the utility conduit running through Center Boulevard that carries the sanitary sewer line installed as part of the Queens West Development.

Summary of Analytical Results

The discussion of the analytical results focuses on the main risk driver, benzene, and a key coal tar compound, naphthalene. The analytical results are from six wells screened within the treatment zone (10 to ≤22 ft-bg) and four wells screened below the treatment zone (>24 ft-bg). Tables 2 and 3 present the analytical results for this round of groundwater sampling and cumulative groundwater results, respectively.

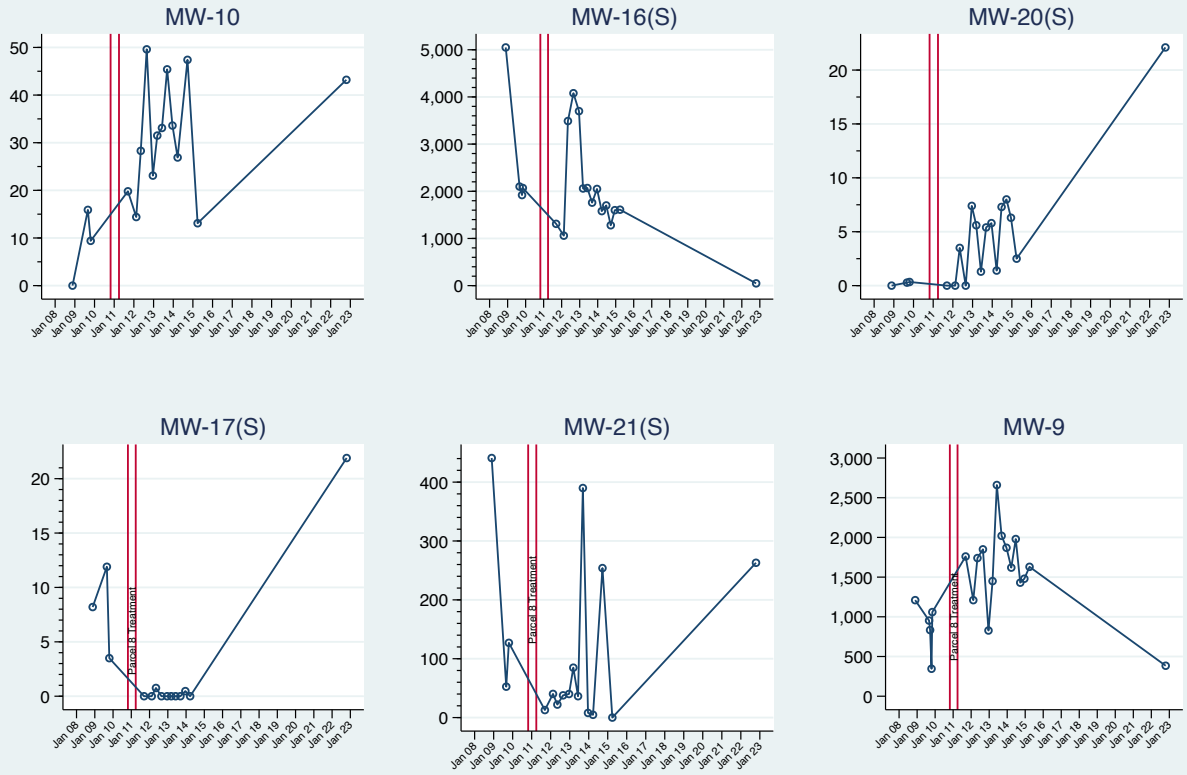
Parcel 8 Treatment Interval

The benzene and naphthalene concentration trends in the Parcel 8 monitoring wells screened within the treatment interval, from 10 to ≤22 ft-bg (below original grade before excavation), are depicted in Figures 4A, 4B, 5A, and 5B, respectively. (Wells screened from the water table to 24 feet below grade are used to monitor the treatment interval.)

Benzene

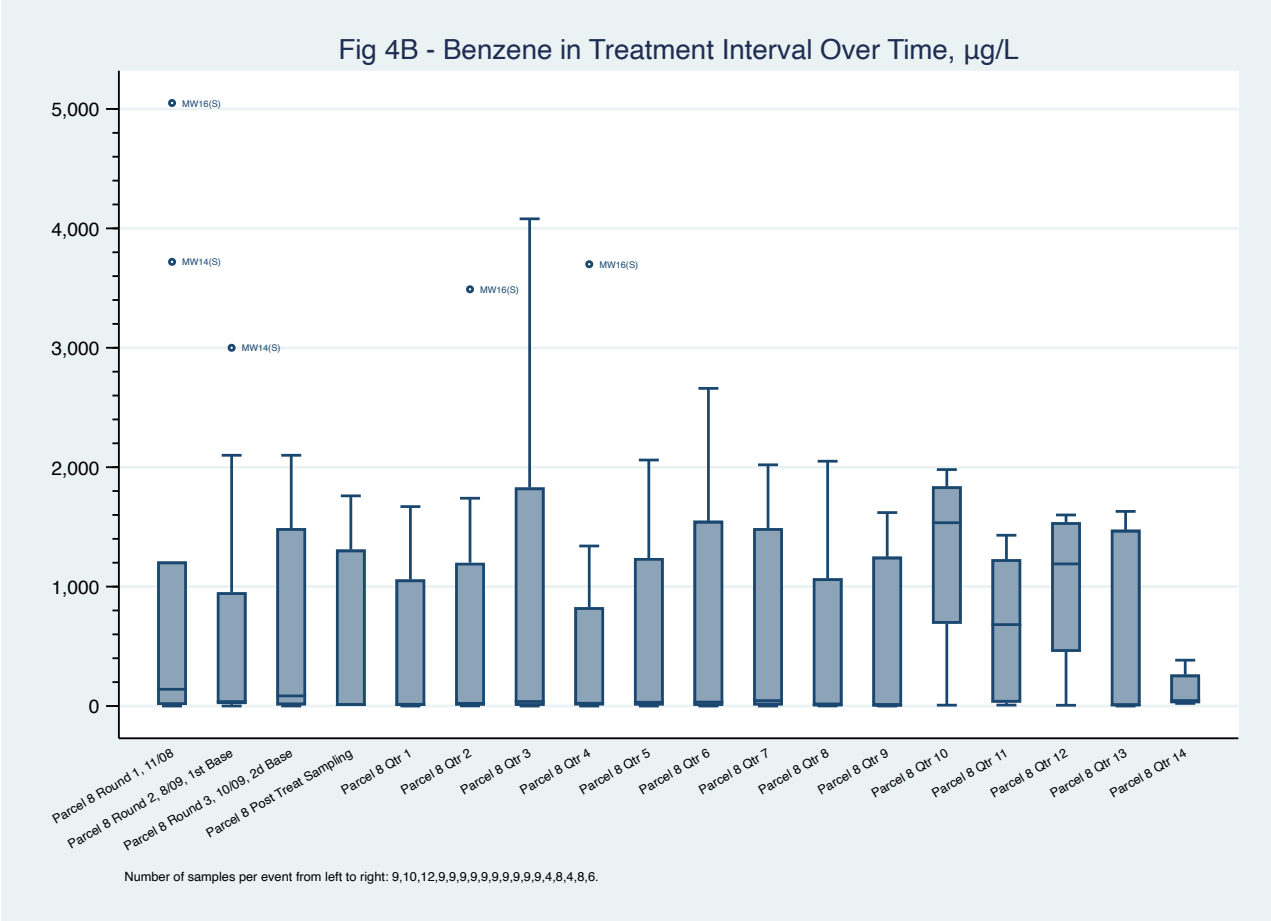
Benzene exhibits variability in the treatment interval, but the reductions greatly outweigh the increases, which are in the lower concentrations. MW-16(S) and MW-9, wells with the highest benzene concentrations, decreased considerably since they were sampled approximately 12 years ago. The results are from newly installed wells, so it is possible that variability will decrease with time after the wells stabilize and reach an equilibrium with the water-bearing zone.

Fig. 4A - Parcel 8 QTR 4, 2022, Benzene in Treatment Zone Wells, µg/L



Note graphs have different scales.

Figure 4B shows benzene in the treatment zone wells across monitoring periods since monitoring began.[1] Sampling in the current period, Parcel 8 QTR 14, shows overall benzene levels well below the pre-treatment maximum, Parcel 8 Round 1, 11/08, and overall benzene concentrations with the least variability to date. Benzene overall in the current sampling period is considerably lower than in previous sampling periods.

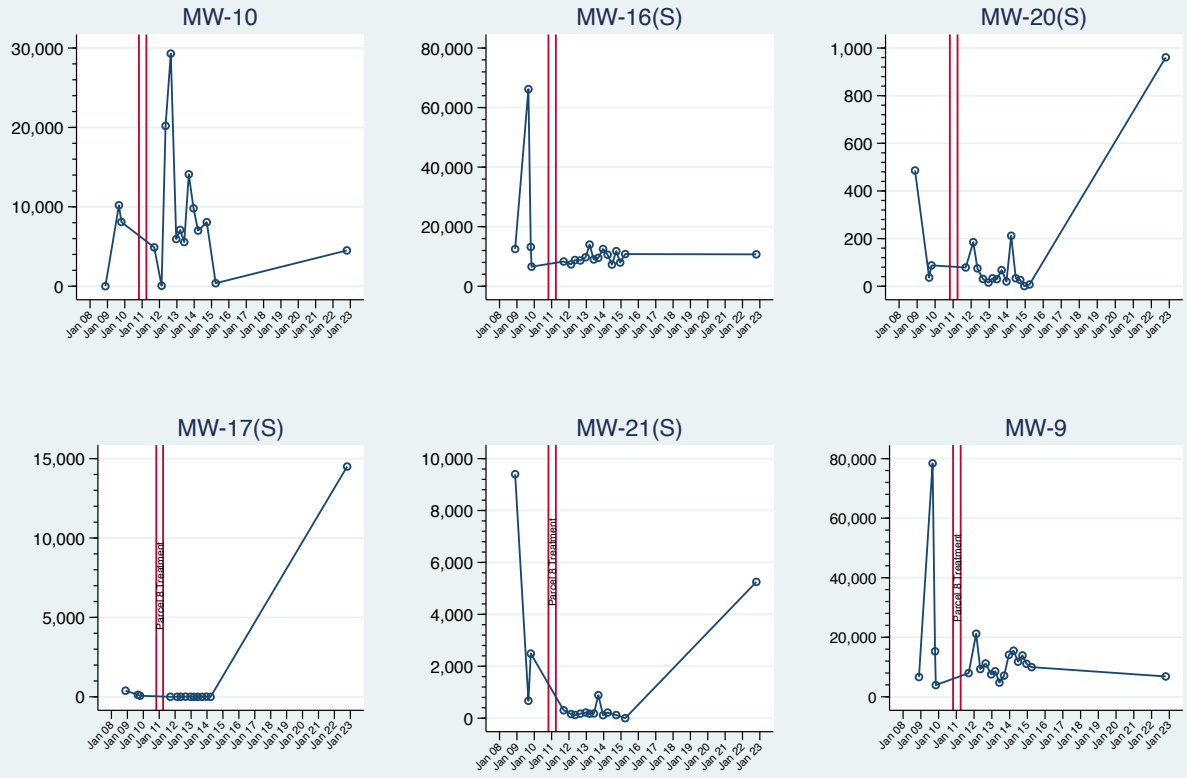


[1]The bottom of the rectangular box is the 25th percentile; the line in the middle of the box is the 50th percentile; the line at the top of the box is the 75th percentile. The extended lines at the top and bottom are values at ±1.5 times the range between the 25th and 75th percentiles (upper and lower adjacent values). Outside values are results more or less than the adjacent values.

Naphthalene

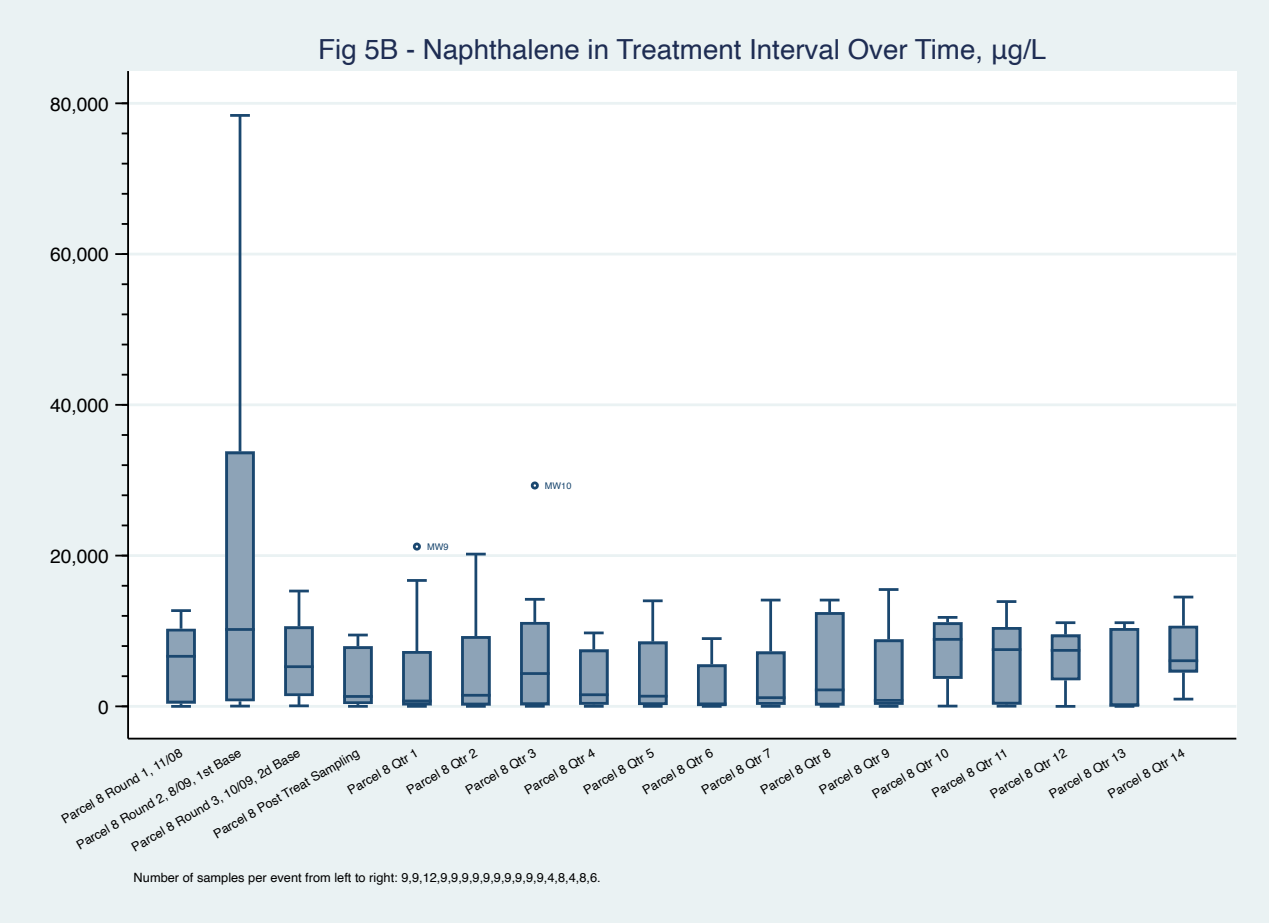
Figure 5A plots naphthalene in the treatment interval wells. Naphthalene exhibits variability, increasing in some wells, MW-20(S), MW-17(S), and MW-21(S), and remaining well below maximum concentrations in MW-10, MW-16(S), and MW-9. Wells with the highest naphthalene concentrations, MW-10, MW-16(S), and MW-9, continue to have concentrations far below the maximum concentrations.

Fig. 5A - Parcel 8 QTR 4 2022, Naphthalene in Treatment Zone Wells, µg/L



Note graphs have different scales.

Figure 5B shows naphthalene in the treatment zone wells since monitoring began. Sampling in the current period, Parcel 8 QTR 14, shows overall naphthalene levels still below the pre-treatment maximum, Parcel 8 Round 2, 8/09, although overall naphthalene concentrations increased compared to several post-treatment sampling rounds, but is still comparable with many post-treatment sampling rounds. The results are from newly installed wells, so it is possible that variability will decrease with time after the wells stabilize and reach an equilibrium with the water-bearing zone.



Below Treatment Interval

Figures 6A and 6B depict benzene and naphthalene concentration trends in the Parcel 8 monitoring wells screened below the treatment interval, >24 ft-bg. This interval was not treated as part of the remedy.

Figure 6A shows benzene increased in most wells below the treatment interval. The increases were substantial in MW-11(D) and MW-15(D) and remained below the pre-treatment maximum and asymptotic in MW-7R.

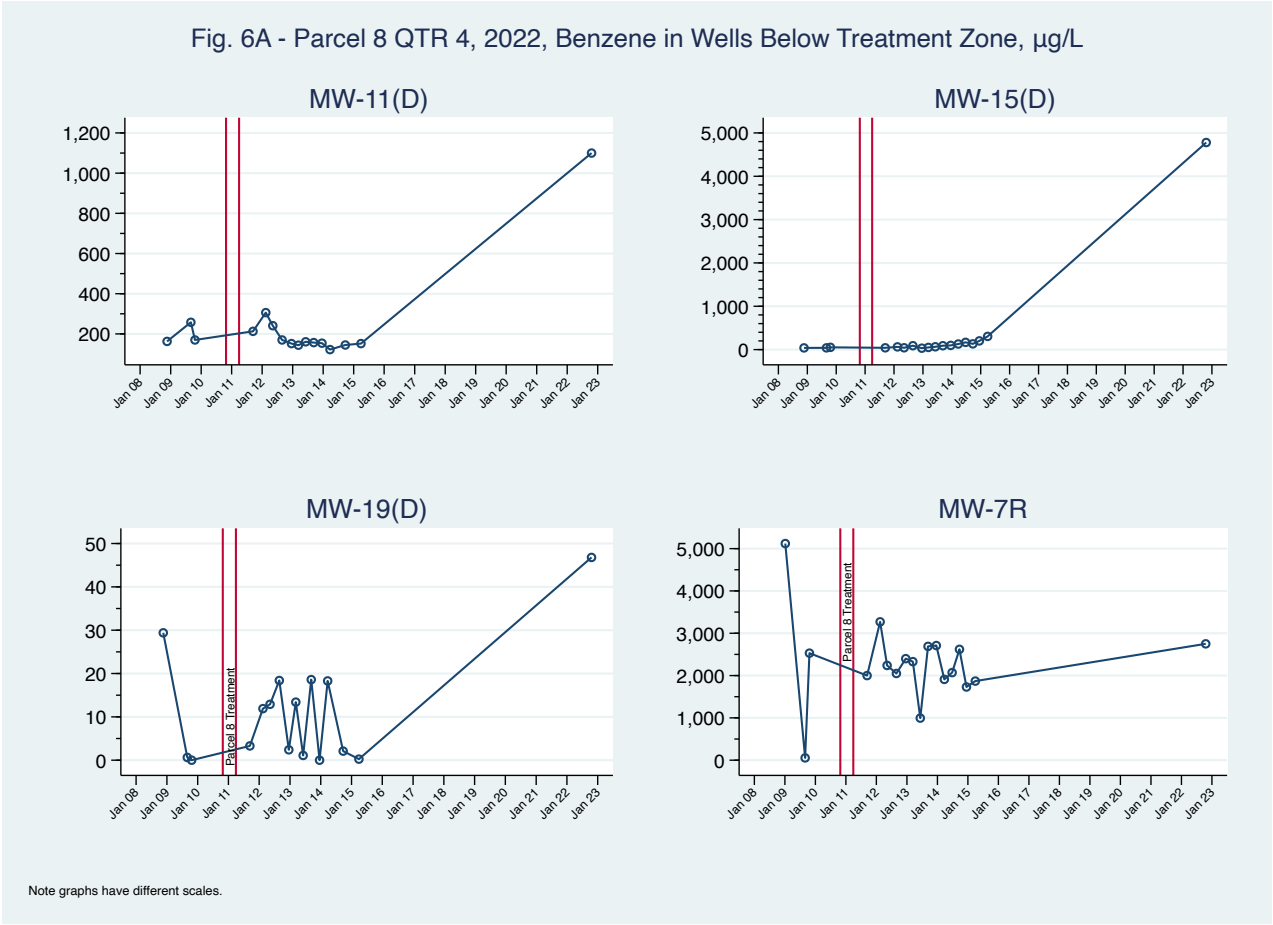
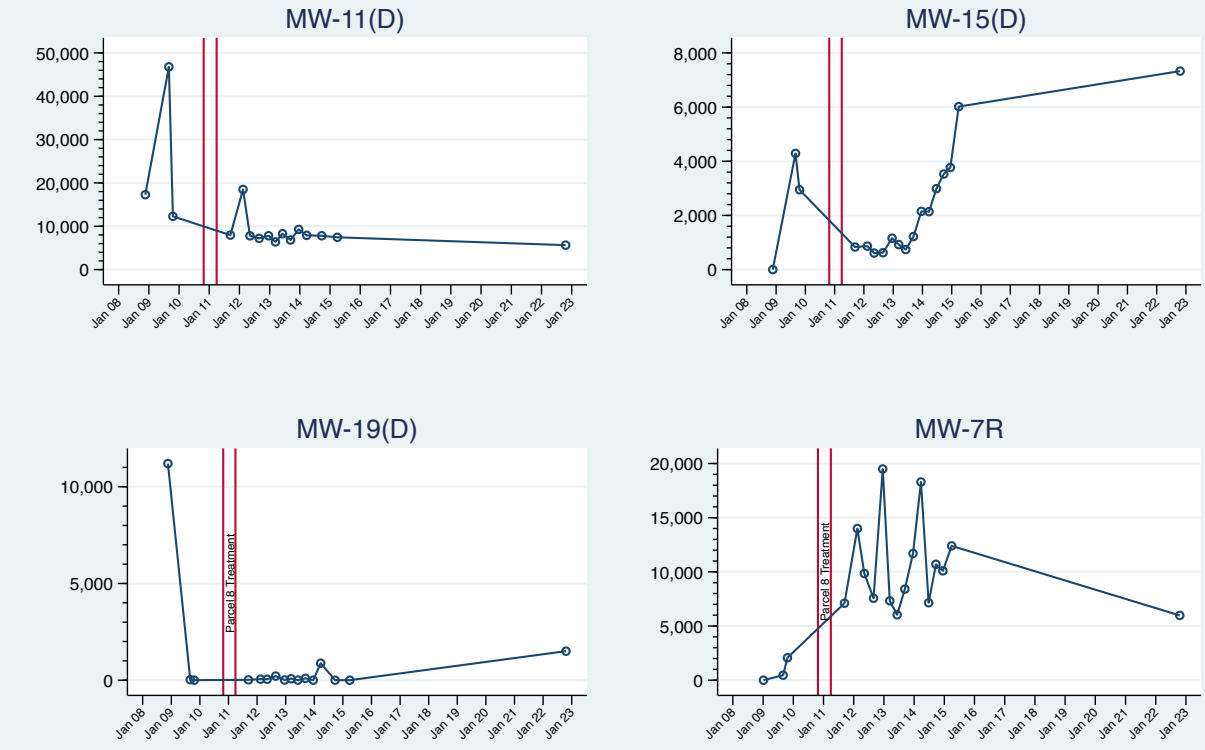


Figure 6B shows naphthalene concentrations below the treatment zone. Naphthalene concentrations are variable with increases in MW-15(D) and MW-19(D) and decreases in MW-11(D) and MW-7R. Overall, the decreases outweigh the increases and there appears an overall decrease in naphthalene below the treatment interval.

Fig. 6B - Parcel 8 QTR 4 2022, Naphthalene in Treatment Zone Wells, µg/L



Note graphs have different scales.

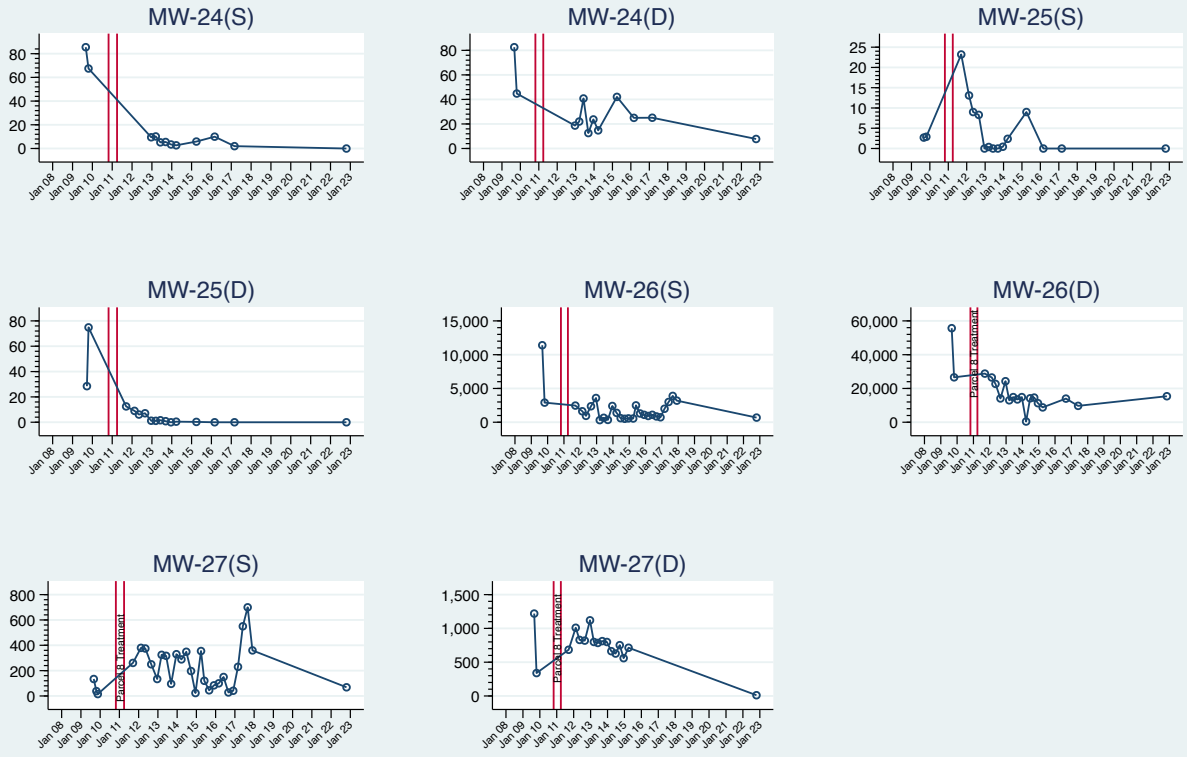
Offsite Locations Outside Treatment Area

Peninsula Park

Peninsula Park is outside the Parcel 8 boundary and no groundwater treatment was performed in this area. The analytical results for the four Peninsula Park wells: MW-24(S/D), MW-25(S/D), MW-26(S/D), MW-27(S/D) are presented in Tables 2 and 3. Figures 7 and 8 show benzene and naphthalene concentration trends in the Peninsula Park wells.

Benzene in most Peninsula Park wells exhibits a decreasing or asymptotic trend as shown on Figure 7, and benzene has further decreased since sampling 12 years ago. Benzene remains well below the maximum concentration in all instances.

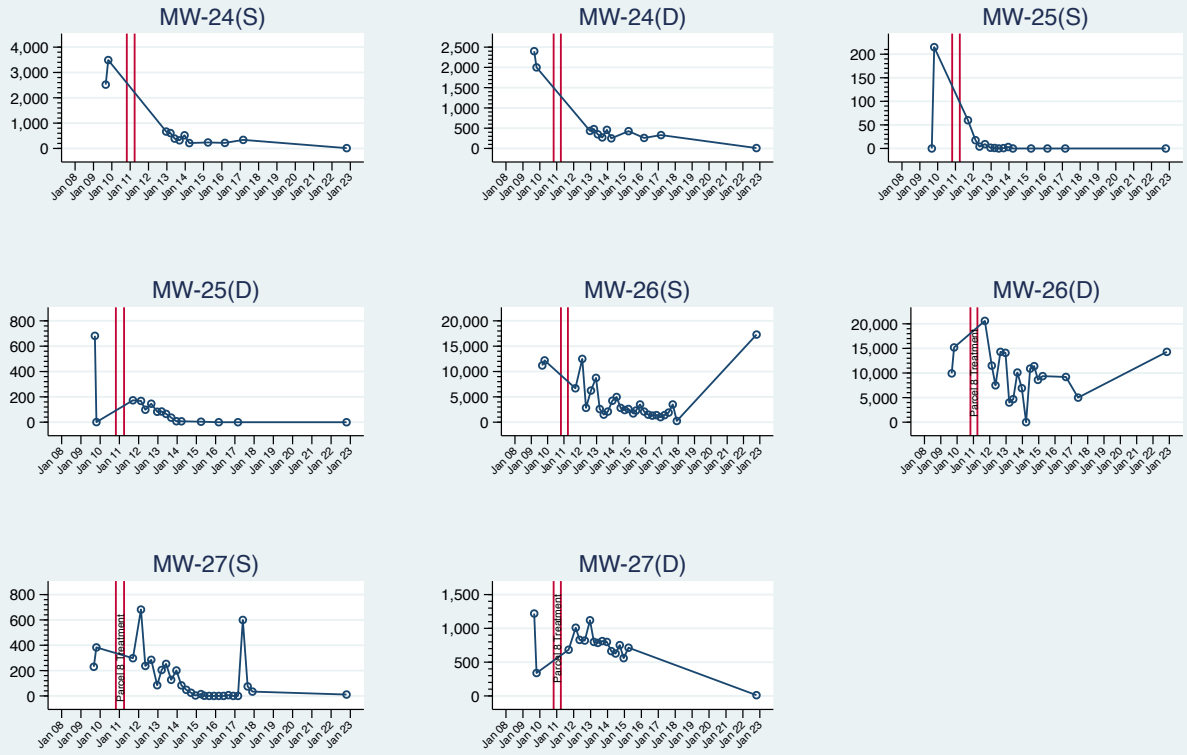
Fig. 7 - Peninsula Park QTR 4, 2022, Benzene in Wells, µg/L



Note graphs have different scales.

Naphthalene decreased or remained asymptotic in most Peninsula Park wells and approached zero naphthalene, but naphthalene increased in MW-26.

Fig. 8 - Peninsula Park QTR 4, 2022, Naphthalene in Wells, µg/L

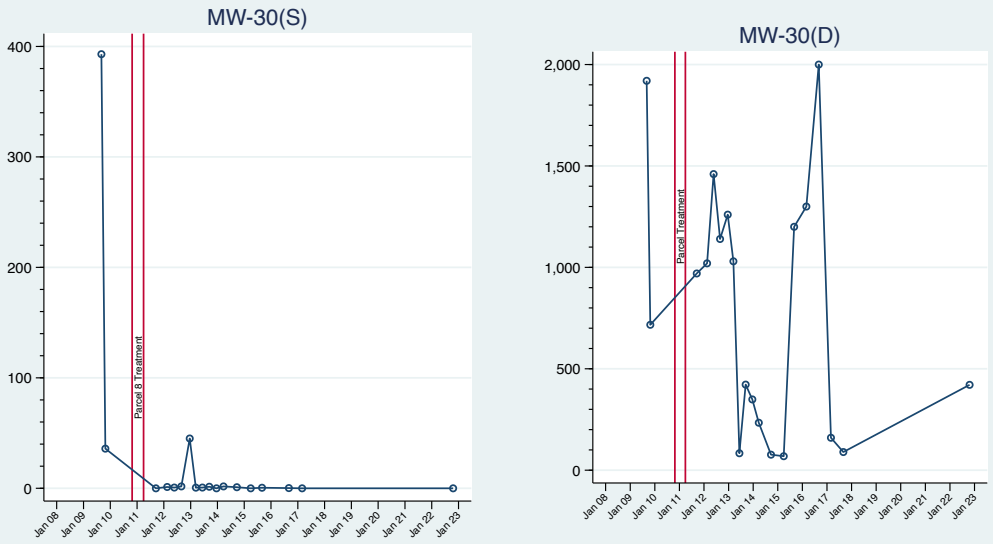


Note graphs have different scales.

Gantry Plaza State Park

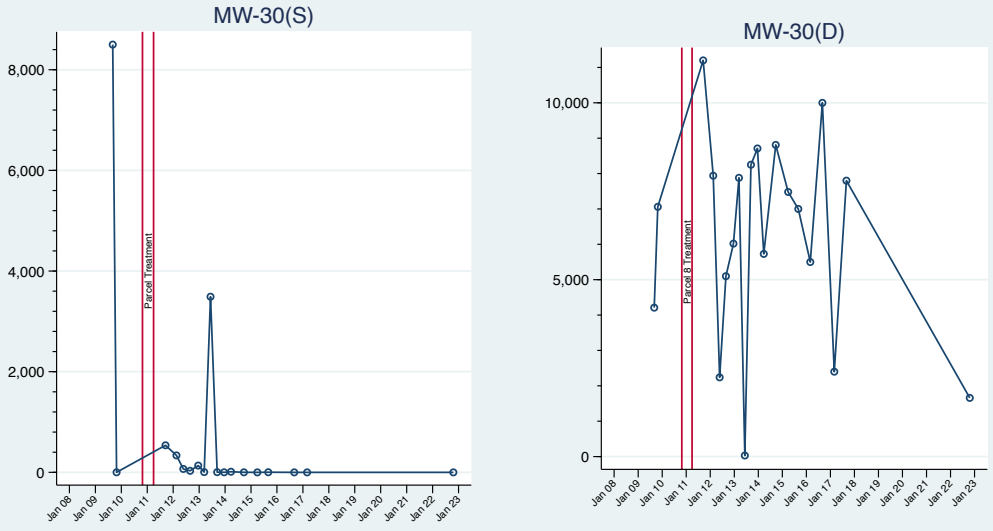
Both wells show a sustained decrease in benzene concentrations in Gantry Plaza State Park. Benzene in MW-30(S) remains near zero.

Fig. 9 - Gantry Plaza St. Park QTR 4, 2022, Benzene in Wells, µg/L



Naphthalene in MW-30 remains well below the maximum concentrations and remains near zero in MW-30(S). Naphthalene in MW-30(D) remains well below the maximum concentration and is among the lowest levels measured.

Fig. 10 - Gantry Plaza St. Park QTR 4, 2022, Naphthalene in Wells, µg/L



Groundwater Geochemical and Field Parameters Monitoring

Microbial activity can continue to decompose contaminants and geochemical parameters serve as an indicator of the microbial activity that further enhances degradation of organic contaminants. Iron and sulfate serve as terminal electron acceptors in biological degradation. Elevated iron signifies that microbial activity is ongoing. Sulfate depletion signifies that microbial activity is ongoing and elevated sulfide indicates that sulfate reduction is occurring. Alkalinity is another indicator of biological activity brought about by degradation. Alkalinity yields the most pronounced changes when iron or sulfate degradation are prominent (Wiedemeier et al. 1999. *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface*). Table 4 summarizes the minimum (Min), the median (p50) and maximum (Max) Parcel 8 geochemical results from pre-treatment to the most recent groundwater monitoring event.

Table 4 – Geochemical Parameters in Parcel 8 Wells,
n = 16/17 from post-treatment to Qtr 1, 2014
n = 7/7 from Qtr 4, 2022

	Pre-Treatment			Post Treatment			Qtr 1, 2012			Qtr 2, 2012		
Parameter	Min	p50	Max	Min	p50	Max	Min	p50	Max	Min	p50	Max
Sulfate	ND	213	848	120	1,675	15,300	65.6	2,980	14,100	313	2,470	13,900
Sulfide	ND	ND	12.9	ND	9.75	308	ND	9.4	568	ND	10.2	518
Iron	193	3,645	19,100	ND	5,395	896,000	255	16,000	330,000	178	10,310	828,000
Alkalinity	398	753	1,410	348	1,290	1,950	478	1,540	4,540	343	1,560	4,290

	Qtr 3, 2012			Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013		
Parameter	Min	p50	Max	Min	p50	Max	Min	p50	Max	Min	p50	Max
Sulfate	79.1	1,920	15,600	633	1,210	13,400	619	2,145	13,800	360	1,060	13,700
Sulfide	ND	8.7	333	ND	13.4	93.9	ND	14.1	511	ND	21.1	142
Iron	381	14,800	228,000	695	3,200	36,300	ND	2,840	24,600	ND	5,605	47,500
Alkalinity	384	1,895	3,880	288	1,400	4,220	207	1,805	4,640	229	1,130	4,400

	Qtr 3, 2013			Qtr 4, 2013			Qtr 1, 2014			Qtr 2, 2014		
Parameter	Min	p50	Max	Min	p50	Max	Min	p50	Max	Min	p50	Max
Sulfate	176	1,625	10,500	233	1,495	10,900	134	1,750	8,470	355	2,580	6,470
Sulfide	ND	23.7	618	ND	8.8	250	ND	10.2	268	ND	11.1	188
Iron	ND	4,755	217,000	155	2,485	30,100	159	2,240	172,000	381	1,610	14,900
Alkalinity	413	1,790	4,510	202	1,051	3,470	505	1,575	4,720	880	2,610	3,780

	Qtr 3, 2014 (n=14)			Qtr 4, 2022 (n=10)		
Parameter	Min	p50	Max	Min	p50	Max
Sulfate	75.8	1,279	6,780	6.3	123	994
Sulfide	ND	20.8	292	ND	3.1	6.1
Iron	190	637	24,500	423	1,195	5,450
Alkalinity	889	1,635	4,250	181	623	1,730

n – No. of samples. Iron in µg/L. All others in mg/L. Minor corrections made to this table from the previous quarter.

The median sulfate concentration decreased compared to the previous monitoring period and continues its overall downward trend toward background levels and sulfate is essentially now at background levels. It is an unlikely degradation path at this point.

The median sulfide concentration decreased substantially compared to the previous monitoring period and is now essentially at background levels.

The median iron concentration in Parcel 8 wells decreased to among its lowest level since post-treatment monitoring began and iron appears to have returned to near background levels.

Median alkalinity in the current period decreased considerably compared with the previous sampling period. Alkalinity is now near pre-remedy background conditions.

Methane is an indicator of anerobic degradation. Methane ranged from approximately 71 µg/L to 6,540 µg/L and had a median concentration of 866 µg/L. The elevated methane levels signify anerobic conditions.

Table 5 summarizes the Parcel 8 groundwater field parameters namely pH, conductivity (in millisiemens per centimeter or ms/cm), turbidity (in NTUs or nephelometric turbidity units), dissolved oxygen (or DO in milligrams per liter [mg/L]), temperature (in degrees Celsius [°C]), and oxidation-reduction potential (or ORP in millivolts [mV]). Field instrument readings are included in Appendix C.

The pH remains near pre-treatment levels and is in the range suitable for microbial degradation. ORP, still in the anaerobic zone, remains quite low and is indicative of anerobic conditions.

All DO concentrations in the current sampling period measured zero and are indicative of anerobic conditions.

The geochemical parameters indicate that anerobic conditions are predominant and that natural degradation, while continuing, is taking place without oxygen as an electron acceptor, i.e., at a slower rate.

Table 5 – Field Parameters in Parcel 8 Wells

	Post Treatment			Qtr 1, 2012			Qtr 2, 2012			Qtr 3, 2012		
Field Parameter	Min	p50	Max	Min	p50	Max	Min	p50	Max	Min	p50	Max
pH	6.4	7.4	9.9	5.6	7.2	7.9	6.2	7.1	7.8	6.2	7.6	9.0
Cond., mS/cm	1.2	7	30.4	1.98	6.1	190	0.9	8.1	21	1.7	6.2	28.1
NTU	0.2	83	597	28	239	574	0	62.3	>500	0	87.1	742
DO, mg/L	0	.01	1.9	0	0	5.3	0	0.3	2.9	0	0.97	7.3
Temp. C	15.7	18.4	22.5	10.8	13.2	15.2	8.2	15.1	15.6	16.5	20.5	25.4
ORP, mV	-362	-335	121	-413	-251	-3	-414	-267	102	-390	-327	65

	Qtr 4, 2012			Qtr 1, 2013			Qtr 2, 2013			Qtr 3, 2013		
Field Parameter	Min	p50	Max	Min	p50	Max	Min	p50	Max	Min	p50	Max
pH	6.6	7.2	8.2	6.7	7.4	8.5	6.5	7.3	8.12	4.9	7.2	7.8
Cond., mS/cm	1.5	8.0	26.1	3.9	10.5	25.5	3.7	8.2	26.2	4.4	8.6	23.5
NTU	0	83	500	0	0.4	79.7	0	3.4	271	0	27.5	>500
DO, mg/L	0	0.14	4.9	0	0.83	11.7	0.23	3.51	10	0	1.5	7.4
Temp. C	10.1	14.9	16.6	10.1	12.7	14.3	13.3	15.4	17.6	18.5	21.5	27.7
ORP, mV	-462	-318	214	-462	-275	210	-402	-267	17	-425	-348	-67

	Final of 8 Quarters											
	Qtr 4, 2013			Qtr 1, 2014			Qtr 2, 2014			Qtr 3, 2014		
Field Parameter	Min	p50	Max	Min	p50	Max	Min	p50	Max	Min	p50	Max
pH	6.8	7.3	8.3	7	7.4	8.5	7.2	7.2	8.1	6.8	7.4	8.2
Cond., mS/cm	4.7	6.3	27	2.5	6.23	18.9	2.8	9.2	17.4	3.31	6.29	15.5
NTU	0	12.6	60.1	0	4.5	282	0	5	14.5	0	1.3	24.2
DO, mg/L	0.45	1.2	6.3	0.99	1.5	7.6	0.62	1.03	1.3	0.59	1.5	6.1
Temp. C	8.4	13.3	15.2	7.3	9.7	13.7	14.7	17.9	21.7	13.1	17.1	22.9
ORP, mV	-364	-263	29	-426	-275	-121	-397	-301	-168	-451	-321	-102

	Qtr 4, 2022		
Field Parameter	Min	p50	Max
pH	5.6	7.9	8.8
Cond., mS/cm	0.68	2.1	18.7
NTU	0	19	164
DO, mg/L	0	0	0
Temp. C	15.7	18.5	27.4
ORP, mV	-333	-207	-35

Summary and Conclusions

The Fourth Quarter 2022 samples were collected approximately 12 years after *in situ* treatment ceased on Parcel. The results show that benzene in the treatment interval on Parcel 8 remains below pre-treatment conditions and exhibits among the lowest overall concentrations and the lowest variability to date. Naphthalene in the treatment interval, while remaining below the pre-treatment maximum concentrations, has increased in some wells and is higher than many post-treatment sampling events. It is, however, nonetheless at levels comparable to other post-treatment results.

Below the treatment interval on Parcel 8, benzene increased in most wells and naphthalene concentrations are variable with increases in some wells and decreases in other wells. Overall, the decreases outweigh the increases and there appears a net reduction in naphthalene below the treatment interval. The variability seen in the sampling results this period may decrease as the newly installed wells reach an equilibrium with the water-bearing zone.

Benzene and naphthalene in Peninsula Park remain well below the maximum concentrations and exhibit a decreasing or asymptotic trend in all wells except for MW-26, where naphthalene increased in both the shallow and deep well. Benzene and naphthalene in Gantry Plaza State Park remain well below the maximum concentrations and exhibit decreasing or asymptotic concentrations in both wells. Geochemical parameters indicate anerobic conditions predominate and that methanogenesis is the primary degradation pathway at this point.

Please contact us with any comments or questions.

Sincerely,

Sincerely,
Fleming, Lee Shue Environmental Engineering and Geology D.P.C.

Arnold F. Fleming

Arnold F. Fleming, P.E.
Principal

cc: Tobi Jaiyesimi, QWDC
Jane O'Connell, NYSDEC
J. Deabler, Queens Public Library
S. Panter, FLS

Attachments:
Figure 1 – Site Plan
Figure 2A/2B – Groundwater Elevation Contours (Shallow/Deep)
Figure 3 – Plate Views of Contaminant Mass by Horizon
Tables 2 & 3 – Groundwater Analytical Results

Attachment A - Data Usability Summary Report Laboratory Reports
Attachment B - Well Construction Logs
Attachment C – Well Development/Purge Logs
Attachment D – Laboratory Reports

Certification Statement

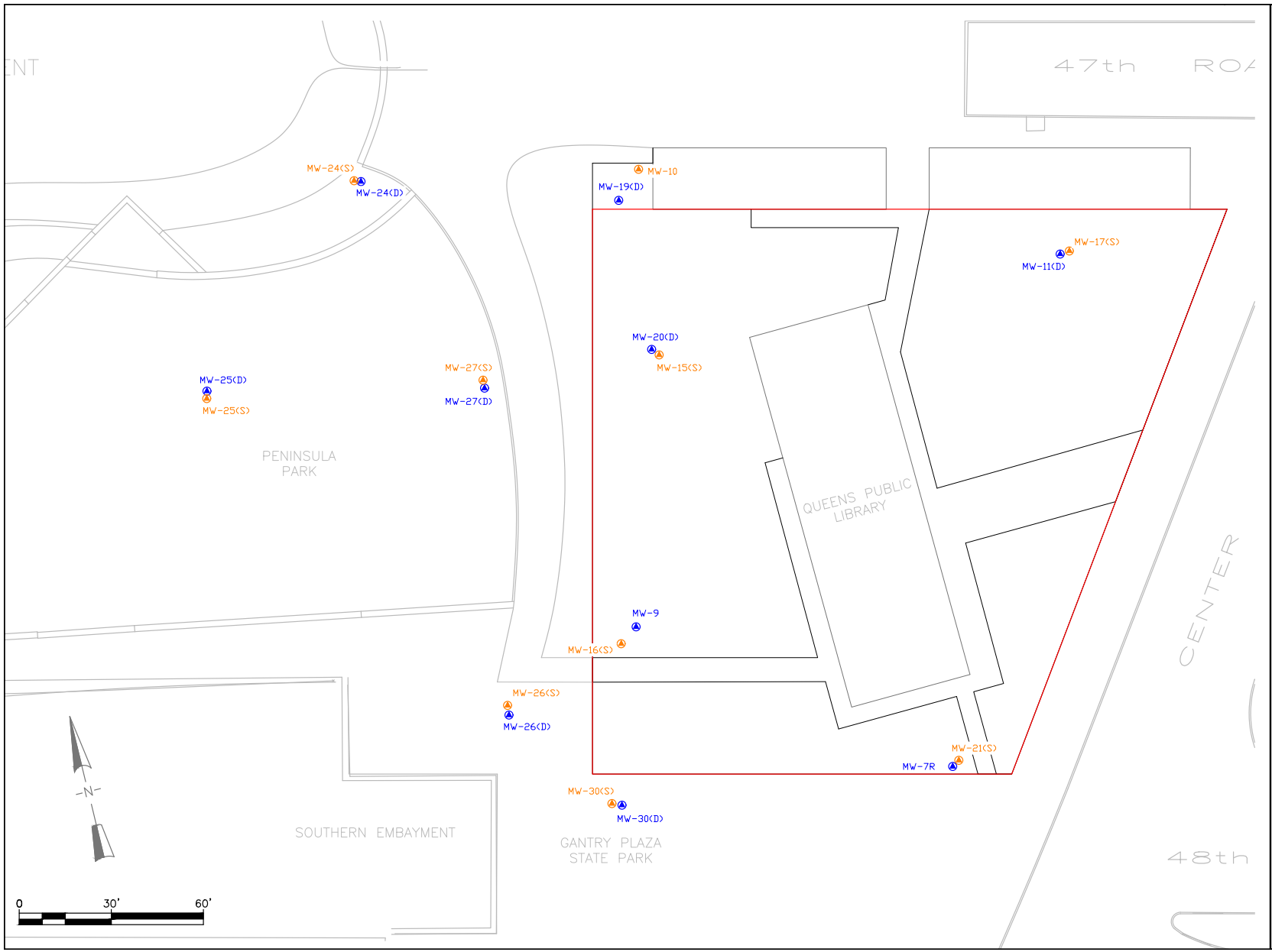
Parcel 8 — BCP Site No. C241087
Corrective Measures Report

I Arnold F. Fleming, P.E. certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Corrective Measures Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



	1/31/2023	Arnold F. Fleming
NYS Professional Engineer #	Date	Signature

Figures



Fleming Lee Shue

158 West 29th Street, 9th Fl
New York, NY 10001

Queens West Development
Parcel 8
BCP Site No. C241087

FIGURE 1

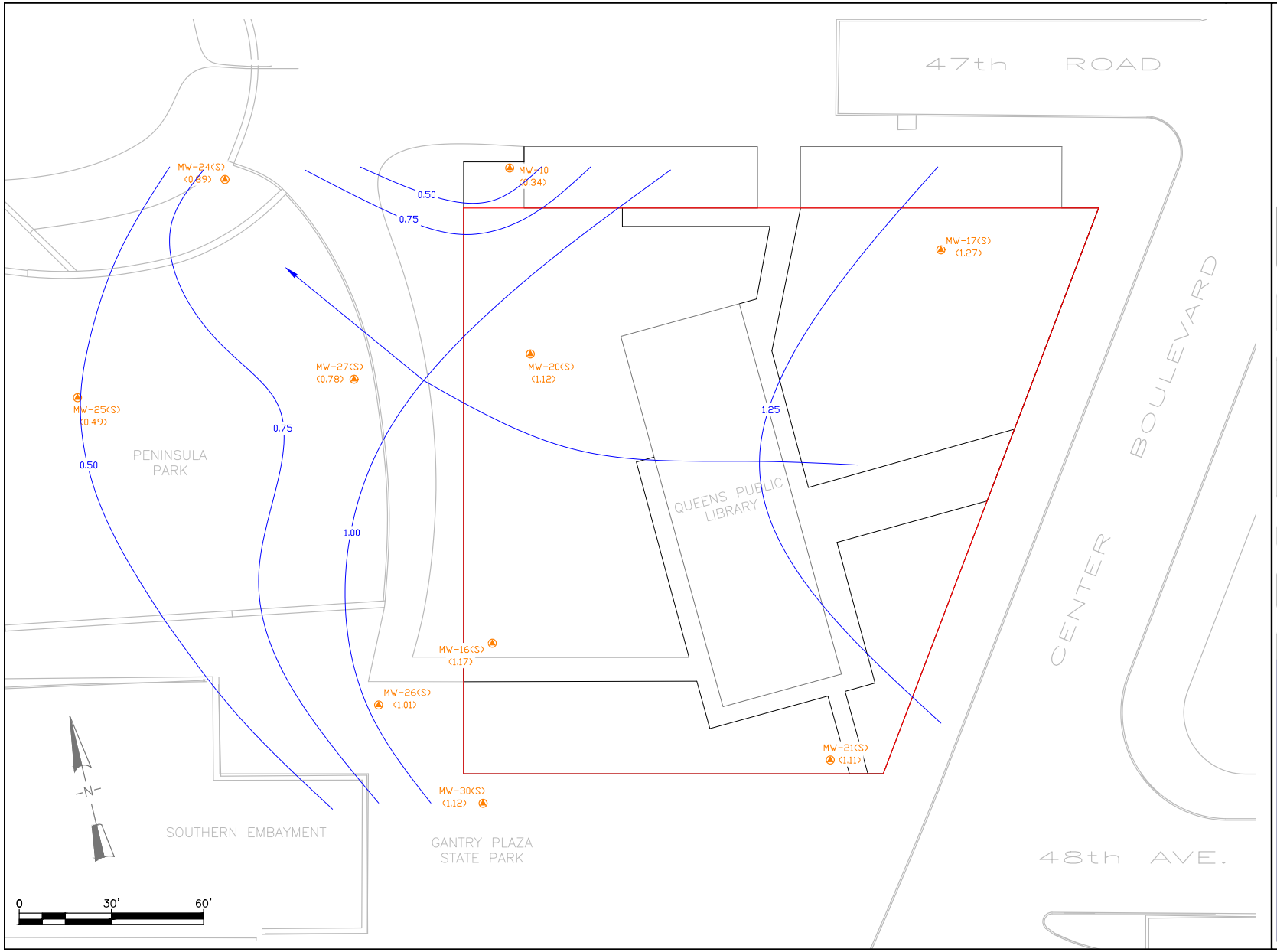
SITE PLAN

November 2022

Project Number
10011

LEGEND

- Site Boundary
- Shallow Monitoring Well
- Deep Monitoring Well



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New York, NY 10001

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Parcel 8
BCP Site No. C241087

FIGURE 2A

Groundwater Contour Map - Shallow

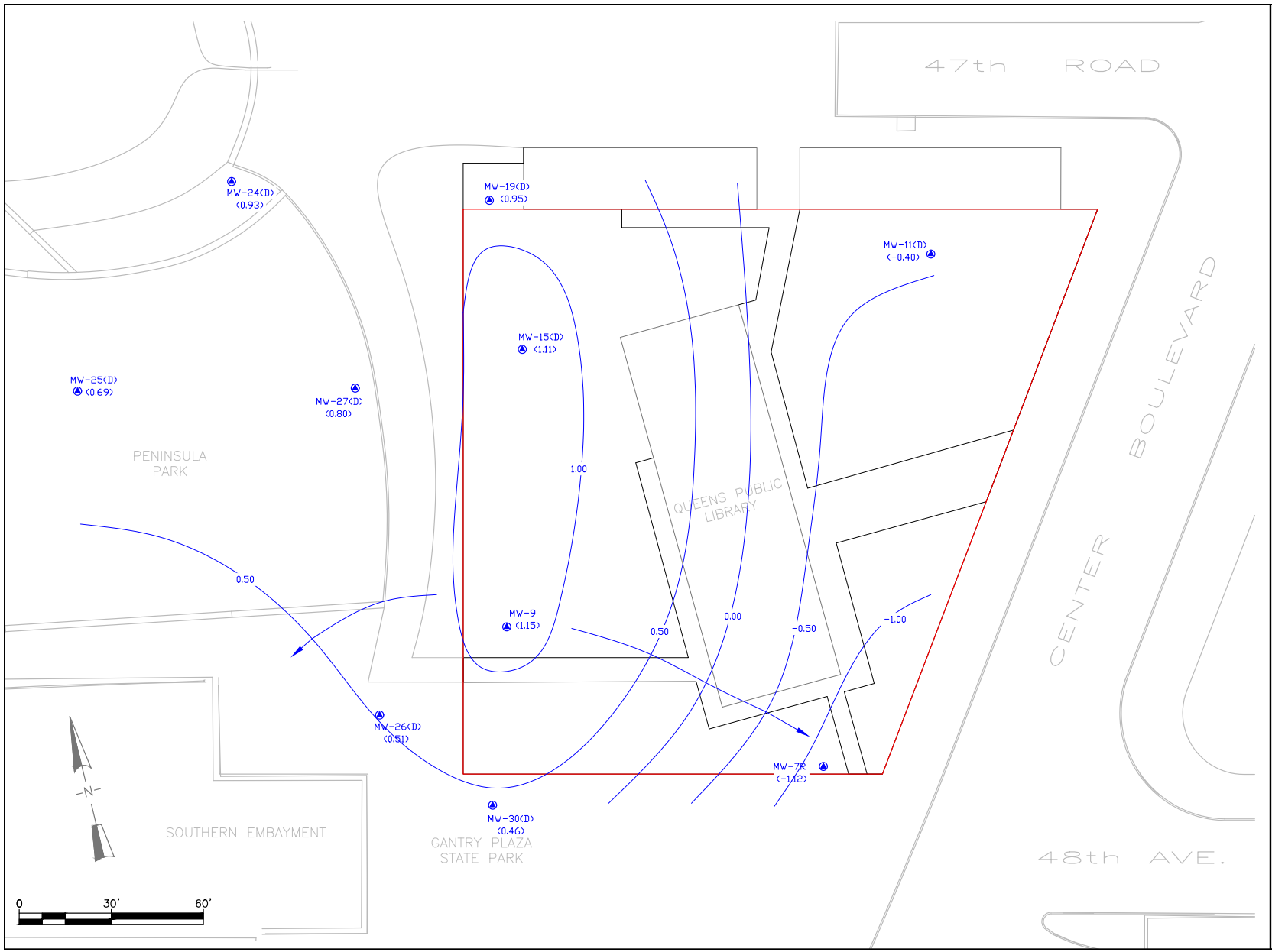
November 2022

Project Number
10011

LEGEND

- Site Boundary
- Shallow Monitoring Well
- Groundwater Elevation Contour
- Groundwater Flow Direction

Notes:
Data collected on 11/15/22.
Survey conducted by Montrose Surveying on 10/20/22.



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FIGURE 2B

Groundwater Contour Map - Deep

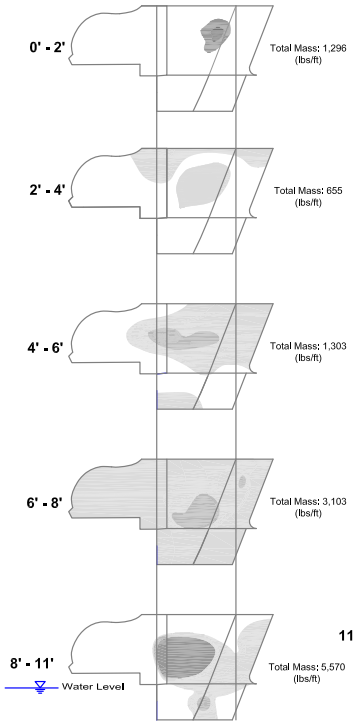
November 2022

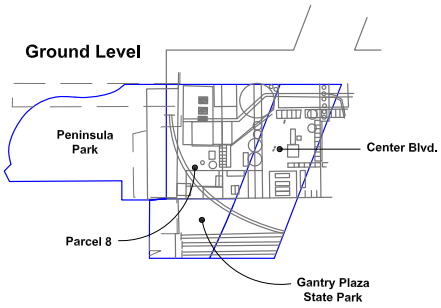
Project Number
10011

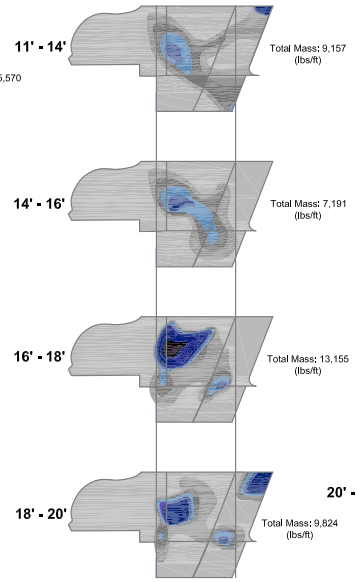
LEGEND

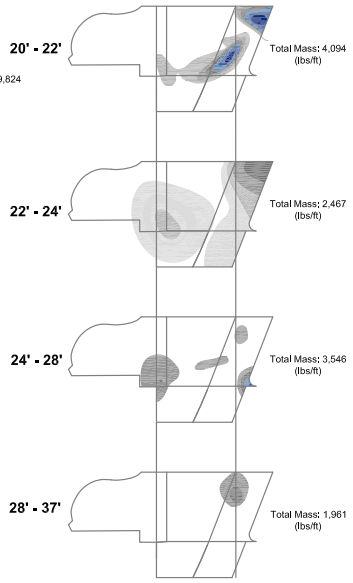
- Site Boundary
- Deep Monitoring Well
- Groundwater Elevation Contour
- Groundwater Flow Direction

Notes:
Data collected 11/15/22.
Survey conducted by Montrose Surveying 10/20/22.





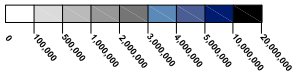




* Total mass estimates are rounded and are inclusive of the contaminant mass in Parcel 8, Center Boulevard, Gantry State Park and Peninsula Park.

LEGEND

Contaminant Mass Estimation Levels



Units ug/kg

Date
August 2012

FIGURE 3

Project Number
10011-019-7

Plate Views of Contaminant Mass by Horizon

Queens West Development
Parcel 8 Off-Site Area
BCP Site No. C241087
VCP Site No. V100194A

Fleming Lee-Shue
Environmental Management & Consulting
158 West 29th Street, 9th Fl
New York, NY 10001

Tables

Table 2
Groundwater Analytical Results
October 2022

Client Sample ID:	NY TOGS Class GA GW Standards (NYSDEC 6/2004)1	MW-21(S)	MW-7R	MW-16(S)	MW-9	MW-9 DUP	MW-20(S)	MW-15(D)	MW-17(S)	MW-11(D)	MW-10	MW-19(D)	MW-24(S)	MW-24(D)	MW-25(S)	MW-25(D)	MW-26(S)	MW-26(D)	MW-27(S)	MW-27(D)	MW-30(S)	MW-30(D)
Lab Sample ID:		JD54013-7	JD54013-1	JD54013-2	JD54013-13	JD54013-14	JD54013-20	JD54013-21	JD54013-5	JD54013-6	JD54013-11	JD54013-10	JD54013-15	JD54013-12	JD54013-16	JD54013-17	JD54013-22	JD55285-1	JD54013-18	JD54013-19	JD54013-8	JD54013-9
Date Sampled:		10/20/2022	10/19/2022	10/19/2022	10/20/2022	10/20/2022	10/21/2022	10/21/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/21/2022	10/20/2022	10/21/2022	10/21/2022	10/21/2022	11/8/2022	10/21/2022	10/21/2022	10/20/2022	10/20/2022
Matrix:		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
MS Volatiles (SW846 8260D)																						
Acetone	-	ND (31)	ND (31)	ND (61) [a]	ND (310) [b]	ND (310) [b]	ND (61) [b]	ND (61) [b]	ND (31)	ND (31)	ND (31) [b]	5.8 J	ND (3.1) [a]	ND (3.1) [b]	ND (3.1) [a]	ND (3.1) [a]	ND (15) [b]	ND (150) [a]	ND (3.1) [a]	ND (12) [b]	ND (3.1) [b]	19.2 J
Benzene	1	**263**	**2750**	**48.5**	**384**	**420**	**22.1**	**4780**	**21.9**	**1100**	**43.2**	**46.8**	ND (0.43)	**7.8**	ND (0.43)	ND (0.43)	**690**	**15400**	**68.6**	**11.1**	ND (0.43)	**421**
Bromochloromethane	5	ND (4.8)	ND (4.8)	ND (9.6)	ND (48)	ND (48)	ND (9.6)	ND (9.6)	ND (4.8)	ND (4.8)	ND (4.8)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (2.4)	ND (24)	ND (0.48)	ND (1.9)	ND (0.48)	ND (2.4)
Bromodichloromethane	-	ND (4.5)	ND (4.5)	ND (9.0)	ND (45)	ND (45)	ND (9.0)	ND (9.0)	ND (4.5)	ND (4.5)	ND (4.5)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (2.3)	ND (23)	ND (0.45)	ND (1.8)	ND (0.45)	ND (2.3)
Bromoform	-	ND (6.3)	ND (6.3)	ND (13)	ND (63)	ND (63)	ND (13)	ND (13)	ND (6.3)	ND (6.3)	ND (6.3)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (3.2)	ND (32)	ND (0.63)	ND (2.5)	ND (0.63)	ND (3.2)
Bromomethane	5	ND (16)	ND (16) [b]	ND (33)	ND (160)	ND (160)	ND (33) [b]	ND (33) [b]	ND (16)	ND (16)	ND (16)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (8.2) [b]	ND (82)	ND (1.6)	ND (6.6) [a]	ND (1.6)	ND (8.2)
2-Butanone (MEK)	-	ND (27)	ND (27)	ND (55)	ND (270) [b]	ND (270) [b]	ND (55)	ND (55)	ND (27)	ND (27)	ND (27) [b]	ND (2.7)	ND (2.7)	ND (2.7) [b]	ND (2.7)	ND (2.7)	ND (14)	ND (140)	ND (2.7)	ND (11)	ND (2.7) [b]	ND (14)
Carbon disulfide	60	8.7 J	ND (4.6)	ND (9.1)	ND (46)	ND (46)	10.1 J	16.1 J	10.8 J	6.9 J	ND (4.6)	0.89 J	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	3.8 J	ND (23)	ND (0.46)	2.0 J	ND (0.46)	2.6 J
Carbon tetrachloride	5	ND (5.5)	ND (5.5)	ND (11)	ND (55)	ND (55)	ND (11)	ND (11)	ND (5.5)	ND (5.5)	ND (5.5)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (2.8)	ND (28)	ND (0.55)	ND (2.2)	ND (0.55)	ND (2.8)
Chlorobenzene	5	ND (5.6)	ND (5.6)	ND (11)	ND (56)	ND (56)	ND (11)	ND (11)	ND (5.6)	ND (5.6)	ND (5.6)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (2.8)	ND (28)	ND (0.56)	ND (2.2)	ND (0.56)	ND (2.8)
Chloroethane	5	ND (7.3)	ND (7.3) [a]	ND (15) [b]	ND (73)	ND (73)	ND (15) [a]	ND (15) [a]	ND (7.3)	ND (7.3)	ND (7.3)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (3.6) [c]	ND (36)	ND (0.73)	ND (2.9) [a]	ND (0.73)	ND (3.6)
Chloroform	7	ND (5.0)	**66.5**	ND (10)	ND (50)	ND (50)	ND (10)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) [a]	ND (0.50)	ND (2.5)	ND (25)	ND (0.50) [a]	ND (2.0)	ND (0.50)	ND (2.5)
Chloromethane	5	ND (7.6)	ND (7.6) [b]	ND (15)	ND (76) [b]	ND (76) [b]	ND (15)	ND (15)	ND (7.6)	ND (7.6)	ND (7.6) [b]	ND (0.76)	ND (0.76)	ND (0.76) [b]	ND (0.76)	ND (0.76)	ND (3.8)	ND (38)	ND (0.76)	ND (3.0)	ND (0.76) [b]	ND (3.8)
Cyclohexane	-	10.9 J	22.8 J	ND (16)	ND (78)	ND (78)	ND (16)	18.5 J	ND (7.8)	10.6 J	ND (7.8)	1.1 J	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (3.9)	ND (39)	ND (0.78)	ND (3.1)	ND (0.78)	9.9 J
1,2-Dibromo-3-chloropropane	0.04	ND (5.3)	ND (5.3)	ND (11)	ND (53)	ND (53)	ND (11)	ND (11)	ND (5.3)	ND (5.3)	ND (5.3)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.6)	ND (26)	ND (0.53)	ND (2.1)	ND (0.53)	ND (2.6)
Dibromochloromethane	-	ND (5.6)	ND (5.6)	ND (11)	ND (56)	ND (56)	ND (11)	ND (11)	ND (5.6)	ND (5.6)	ND (5.6)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (2.8)	ND (28)	ND (0.56)	ND (2.2)	ND (0.56)	ND (2.8)
1,2-Dibromoethane	0.0006	ND (4.8)	ND (4.8)	ND (9.5)	ND (48)	ND (48)	ND (9.5)	ND (9.5)	ND (4.8)	ND (4.8)	ND (4.8)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (2.4)	ND (24)	ND (0.48)	ND (1.9)	ND (0.48)	ND (2.4)
1,2-Dichlorobenzene	3	ND (5.3)	ND (5.3)	ND (11)	ND (53)	ND (53)	ND (11)	ND (11)	ND (5.3)	ND (5.3)	ND (5.3)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.7)	ND (27)	ND (0.53)	ND (2.1)	ND (0.53)	ND (2.7)
1,3-Dichlorobenzene	3	ND (5.4)	ND (5.4)	ND (11)	ND (54)	ND (54)	ND (11)	ND (11)	ND (5.4)	ND (5.4)	ND (5.4)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (2.7)	ND (27)	ND (0.54)	ND (2.2)	ND (0.54)	ND (2.7)
1,4-Dichlorobenzene	3	ND (5.1)	ND (5.1)	ND (10)	ND (51)	ND (51)	ND (10)	ND (10)	ND (5.1)	ND (5.1)	ND (5.1)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (2.5)	ND (25)	ND (0.51)	ND (2.0)	ND (0.51)	ND (2.5)
Dichlorodifluoromethane	5	ND (5.6)	ND (5.6)	ND (11)	ND (56)	ND (56)	ND (11)	ND (11)	ND (5.6)	ND (5.6)	ND (5.6)	ND (0.56)	ND (0.56) [b]	ND (0.56)	ND (0.56)	ND (0.56) [b]	ND (2.8)	ND (28)	ND (0.56)	ND (2.2)	ND (0.56)	ND (2.8)
1,1-Dichloroethane	5	ND (5.7)	ND (5.7)	ND (11)	ND (57)	ND (57)	ND (11)	ND (11)	ND (5.7)	ND (5.7)	ND (5.7)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (2.8)	ND (28)	ND (0.57)	ND (2.3)	ND (0.57)	ND (2.8)
1,2-Dichloroethane	0.6	ND (6.0)	ND (6.0)	ND (12)	ND (60) [b]	ND (60) [b]	ND (12)	ND (12)	ND (6.0)	ND (6.0)	ND (6.0) [b]	ND (0.60)	ND (0.60)	ND (0.60) [b]	ND (0.60)	ND (0.60)	ND (3.0)	ND (30)	ND (0.60)	ND (2.4)	ND (0.60) [b]	ND (3.0)
1,1-Dichloroethene	5	ND (5.9)	ND (5.9)	ND (12)	ND (59)	ND (59)	ND (12)	ND (12)	ND (5.9)	ND (5.9)	ND (5.9)	ND (0.59)	ND (0.59) [b]	ND (0.59)	ND (0.59)	ND (0.59) [b]	ND (3.0)	ND (30)	ND (0.59)	ND (2.4)	ND (0.59)	ND (3.0)
cis-1,2-Dichloroethene	5	ND (5.1)	ND (5.1)	ND (10)	ND (51)	ND (51)	ND (10)	ND (10)	ND (5.1)	ND (5.1)	ND (5.1)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	2.7 J	ND (25)	ND (0.51)	ND (2.0)	ND (0.51)	ND (2.5)
trans-1,2-Dichloroethene	5	ND (5.4)	ND (5.4)	ND (11)	ND (54)	ND (54)	ND (11)	ND (11)	ND (5.4)	ND (5.4)	ND (5.4)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (2.7)	ND (27)	ND (0.54)	ND (2.1)	ND (0.54)	ND (2.7)
1,2-Dichloropropane	1	ND (5.1)	ND (5.1)	ND (10)	ND (51)	ND (51)	ND (10)	ND (10)	ND (5.1)	ND (5.1)	ND (5.1)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (2.5)	ND (25)	ND (0.51)	ND (2.0)	ND (0.51)	ND (2.5)
cis-1,3-Dichloropropene	-	ND (4.7)	ND (4.7)	ND (9.4)	ND (47)	ND (47)	ND (9.4)	ND (9.4)	ND (4.7)	ND (4.7)	ND (4.7)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (2.4)	ND (24)	ND (0.47)	ND (1.9)	ND (0.47)	ND (2.4)
trans-1,3-Dichloropropene	-	ND (4.3)	ND (4.3)	ND (8.6)	ND (43)	ND (43)	ND (8.6)	ND (8.6)	ND (4.3)	ND (4.3)	ND (4.3)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (2.2)	ND (22)	ND (0.43)	ND (1.7)	ND (0.43)	ND (2.2)
1,4-Dioxane	-	ND (190) [a]	ND (190)	ND (390)	ND (1900)	ND (1900)	ND (390) [b]	ND (390)	ND (190) [a]	ND (190) [a]	ND (190)	ND (19) [a]	ND (19)	ND (19)	ND (19)	ND (19)	ND (97) [a]	ND (970)	ND (19)	ND (77) [a]	ND (19)	ND (97) [a]
Ethylbenzene	5	**802**	**1210**	**221**	**1230**	**1220**	**131**	**1360**	**708**	**1120**	**824**	**162**	ND (0.60)	1.1	ND (0.60)	ND (0.60)	**163**	**1230**	**13.8**	**46**	ND (0.60)	**593**
Freon 113	5	ND (5.8)	ND (5.8)	ND (12)	ND (58)	ND (58)	ND (12)	ND (12)	ND (5.8)	ND (5.8)	ND (5.8)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (2.9)	ND (29)	ND (0.58)	ND (2.3)	ND (0.58)	ND (2.9)
2-Hexanone	-	ND (20) [a]	ND (20)	ND (41)	ND (200)	ND (200)	ND (41)	ND (41)	ND (20) [a]	ND (20) [a]	ND (20)	ND (2.0) [a]	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)	ND (100)	ND (2.0)	ND (8.1)	ND (2.0)	ND (10) [a]
Isopropylbenzene	5	**29**	**51.1**	**49.1**	ND (65)	**65.1 J**	**31.1**	**61.7**	**64**	**88.8**	**61.5**	**25.4**	ND (0.65)	0.79 J	ND (0.65)	ND (0.65)	**34.3**	**48.7 J**	**7.4**	**12.2**	0.99 J	**49.9**
Methyl Acetate	-	ND (8.0) [a]	ND (8.0)	ND (16)	ND (80)	ND (80)	ND (16)	ND (16)	ND (8.0) [a]	ND (8.0) [a]	ND (8.0)	ND (0.80) [a]	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (4.0)	ND (40)	ND (0.80)	ND (3.2)	ND (0.80)	ND (4.0) [a]
Methylcyclohexane	-	10.6 J	27.5 J	14.7 J	ND (60)	ND (60)	ND (12)	24.1 J	ND (6.0)	11.4 J	ND (6.0)	0.66 J	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (3.0)	ND (30)	ND (0.60)	ND (2.4)	ND (0.60)	10.5 J
Methyl Tert Butyl Ether	10	ND (5.1)	ND (5.1)	ND (10)	ND (51)	ND (51)	ND (10)	ND (10)	ND (5.1)	ND (5.1)	ND (5.1)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	0.73 J	**10.4**	ND (25)	2.3	ND (2.0)	ND (0.51)	ND (2.5)
4-Methyl-2-pentanone(MIBK)	-	ND (19) [a]	ND (19)	ND (37)	ND (190)	ND (190)	ND (37)	ND (37)	ND (19) [a]	ND (19) [a]	ND (19)	ND (1.9) [a]	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (9.3)	ND (93)	ND (1.9)	ND (7.4)	ND (1.9)	ND (9.3) [a]
Methylene chloride	5	ND (10)	ND (10)	ND (20)	ND (100)	ND (100)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (50)	ND (1.0)	ND (4.0)	ND (1.0)	ND (5.0)
Styrene	5	**154**	ND (4.9)	ND (9.7)	ND (49)	ND (49)	ND (9.7)	ND (9.7)	ND (4.9)	ND (4.9)	ND (4.9)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (2.4)	ND (24)	ND (0.49)	ND (1.9)	ND (0.49)	ND (2.4)
1,1,2,2-Tetrachloroethane	5	ND (6.5)	ND (6.5)	ND (13)	ND (65)	ND (65)	ND (13)	ND (13)	ND (6.5)	ND (6.5)	ND (6.5)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (3.3)	ND (33)	ND (0.65)	ND (2.6)	ND (0.65)	ND (3.3)
Tetrachloroethene	5	ND (5.6)	ND (5.6)	ND (11)	ND (56)	ND (56)	ND (11)	ND (11)	ND (5.6)	ND (5.6)	ND (5.6)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (2.8)	ND (28)	ND (0.56)	ND (2.2)	ND (0.56)	ND (2.8)
Toluene	5	**895**	**3460**	**51.9**	**15200**	**15300**	**17.7 J**	**780**	**58.8**	**92.1**	**21.9**	3.7	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	**27.5**	**1990**	ND (0.49)	**7.7**	ND (0.49)	**127**
1,2,3-Trichlorobenzene	5	ND (5.0)	ND (5.0)	ND (10)	ND (50)	ND (50)	ND (10)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (25)	ND (0.50)	ND (2.0)	ND (0.50)	ND (2.5)
1,2,4-Trichlorobenzene	5	ND (5.0)	ND (5.0)	ND (10)	ND (50)	ND (50)	ND (10)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (25)	ND (0.50)	ND (2.0)	ND (0.50)	ND (2.5)
1,1,1-Trichloroethane	5	ND (5.4)	ND (5.4)	ND (11)	ND (54)	ND (54)	ND (11)	ND (11)	ND (5.4)	ND (5.4)	ND (5.4)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (2.7)	ND (27)	ND (0.54)	ND (2.1)	ND (0.54)	ND (2.7)
1,1,2-Trichloroethane	1	ND (5.3)	ND (5.3)	ND (11)	ND (53)	ND (53)	ND (11)	ND (11)	ND (5.3)	ND (5.3)	ND (5.3)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.7)	ND (27)	ND (0.53)	ND (2.1)	ND (0.53)	ND (2.7)
Trichloroethene	5	ND (5.3)	ND (5.3)	ND (11)	ND (53)	ND (53)	ND (11)	ND (11)	ND (5.3)	ND (5.3)	ND (5.3)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.6)	ND (26)	ND (0.53)	ND (2.1)	ND (0.53)	ND (2.6)
Trichlorofluoromethane	5	ND (4.0)	ND (4.0)	ND (8.0)	ND (40)	ND (40)	ND (8.0)	ND (8.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (2.0)	ND (20)	ND (0.40)	ND (1.6)	ND (0.40)	ND (2.0)
Vinyl chloride	2	ND (5.2)	ND (5.2) [b]	ND (10) [b]	ND (52) [b]	ND (52) [b]	ND (10)	ND (10)	ND (5.2)	ND (5.2)	ND (5.2) [b]	ND (0.52)	ND (0.52)	ND (0.52) [b]	ND (0.52)	ND (0.52)	ND (2.6)	ND (26)	ND (0.52)	ND (2.1)	ND (0.52) [b]	ND (2.6)
m,p-Xylene	-	2580	4860	304	3440	3410	143	1900	1460	1050	531	62.8	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	31.6	1900	1.3	32.7	ND (0.78)	540
o-Xylene	5	**1030**	**1700**	**218**	**1570**	**1570**	**93.2**	**1360**	**729**	**562**	**521**	**49.4**	ND (0.59) [h]	ND (0.59)	ND (0.59)	ND (0.59) [h]	**36.6**	**1440**	1.1	**21.5**	ND (0.59)	**374**
Xylene (total)	5	**3620**	**6560**	**522**	**5010**	**4980**	**236**	**3260**	**2190**	**1610**	**1050**	**112**	ND (0.59) [h]	ND (0.59)	ND (0.59)	ND (0.59) [h]	**68.2**	**3340**	2.4	**54.2**	ND (0.59)	**914**

Footnotes:

All Results presented in ug/L.

[a] Associated CCV outside of control limits high, sample was ND.

[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

[e] Sample was titrated to a final pH of 4.5.Sample received with head space.

[f] Calculated as: (Iron) - (Iron, Ferrous)

[g] Field analysis required. Received out of hold time and analyzed by request.

[h] Associated CCV outside of control limits low.

Table 2
Groundwater Analytical Results
October 2022

Client Sample ID:	NY TOGS Class GA GW Standards (NYSDEC 6/2004)1	MW-21(S)	MW-7R	MW-16(S)	MW-9	MW-9 DUP	MW-20(S)	MW-15(D)	MW-17(S)	MW-11(D)	MW-10	MW-19(D)	MW-24(S)	MW-24(D)	MW-25(S)	MW-25(D)	MW-26(S)	MW-26(D)	MW-27(S)	MW-27(D)	MW-30(S)	MW-30(D)
Lab Sample ID:		JD54013-7	JD54013-1	JD54013-2	JD54013-13	JD54013-14	JD54013-20	JD54013-21	JD54013-5	JD54013-6	JD54013-11	JD54013-10	JD54013-15	JD54013-12	JD54013-16	JD54013-17	JD54013-22	JD55285-1	JD54013-18	JD54013-19	JD54013-8	JD54013-9
Date Sampled:		10/20/2022	10/19/2022	10/19/2022	10/20/2022	10/20/2022	10/21/2022	10/21/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/21/2022	10/20/2022	10/21/2022	10/21/2022	10/21/2022	11/8/2022	10/21/2022	10/21/2022	10/20/2022	10/20/2022
Matrix:		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
MS Semi-volatiles (SW846 8270E)																						
2-Chlorophenol	-	ND (0.82)	ND (0.84)	ND (0.82)	ND (0.86)	ND (0.86)	ND (0.82)	ND (0.82)	ND (8.4)	ND (0.86)	ND (0.82)	ND (0.82)	ND (4.0)	ND (0.82)	ND (0.89)	ND (0.86)	ND (0.80)	ND (8.2)	ND (0.86)	ND (4.3)	ND (0.82)	ND (0.84)
4-Chloro-3-methyl phenol	-	ND (0.89)	ND (0.91)	ND (0.89)	ND (0.94)	ND (0.94)	ND (0.89)	ND (0.89)	ND (9.1)	ND (0.94)	ND (0.89)	ND (0.89)	ND (4.4)	ND (0.89)	ND (0.97)	ND (0.94)	ND (0.87)	ND (8.9)	ND (0.94)	ND (4.7)	ND (0.89)	ND (0.91)
2,4-Dichlorophenol	1	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (13)	ND (1.3)	ND (1.3)	ND (1.3)	ND (6.2)	ND (1.3)	ND (1.4)	ND (1.3)	ND (1.2)	ND (13)	ND (1.3)	ND (6.7)	ND (1.3)	ND (1.3)
2,4-Dimethylphenol	1	**4.8 J**	**126**	**16**	**92.3**	**77**	**3.1 J**	**80.4**	ND (25)	**419**	ND (2.4)	ND (2.4)	ND (12)	ND (2.4)	ND (2.7)	ND (2.6)	**443**	**1880**	ND (2.6)	**58.9**	ND (2.4)	**24.3**
2,4-Dinitrophenol	1	ND (1.6) [a]	ND (1.6) [a]	ND (1.6) [a]	ND (1.6) [a]	ND (1.6) [a]	ND (1.6)	ND (1.6)	ND (16)	ND (1.6) [a]	ND (1.6) [a]	ND (1.6) [a]	ND (7.6)	ND (1.6) [a]	ND (1.7)	ND (1.6)	ND (1.5)	ND (16)	ND (1.6)	ND (8.2)	ND (1.6) [a]	ND (1.6) [a]
4,6-Dinitro-o-cresol	-	ND (1.3) [a]	ND (1.3) [a]	ND (1.3) [a]	ND (1.4) [a]	ND (1.4) [a]	ND (1.3)	ND (1.3)	ND (13)	ND (1.4) [a]	ND (1.3) [a]	ND (1.3) [a]	ND (6.4)	ND (1.3) [a]	ND (1.4)	ND (1.4)	ND (1.3)	ND (13)	ND (1.4)	ND (6.8)	ND (1.3) [a]	ND (1.3) [a]
2-Methylphenol	-	4.5	16.9	5.4	19.5	23.7	1.0 J	35.1	ND (9.1)	10.7	ND (0.89)	ND (0.89)	ND (4.4)	ND (0.89)	ND (0.97)	ND (0.93)	94.1	316	ND (0.93)	ND (4.7)	ND (0.89)	4.6
3&4-Methylphenol	-	1.1 J	9.8	10.7	34.7	41.6	ND (0.88)	77.6	ND (9.0)	13.3	ND (0.88)	ND (0.88)	ND (4.3)	ND (0.88)	ND (0.96)	ND (0.93)	209	419	ND (0.93)	ND (4.6)	ND (0.88)	7.1
2-Nitrophenol	-	ND (0.96) [a]	ND (0.98) [a]	ND (0.96) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (0.96)	ND (0.96)	ND (9.8) [a]	ND (1.0) [a]	ND (0.96) [a]	ND (0.96) [a]	ND (4.7) [a]	ND (0.96) [a]	ND (1.0)	ND (1.0)	ND (0.94)	ND (9.6)	ND (1.0)	ND (5.0) [a]	ND (0.96) [a]	ND (0.98) [a]
4-Nitrophenol	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2) [a]	ND (1.2) [a]	ND (12)	ND (1.2)	ND (1.2)	ND (1.2)	ND (5.6)	ND (1.2)	ND (1.3) [a]	ND (1.2) [a]	ND (1.1) [a]	ND (12) [b]	ND (1.2) [a]	ND (6.1)	ND (1.2)	ND (1.2)
Pentachlorophenol	1	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.5)	ND (1.5)	ND (1.4) [a]	ND (1.4) [a]	ND (14)	ND (1.5)	ND (1.4)	ND (1.4)	ND (6.8) [a]	ND (1.4)	ND (1.5) [a]	ND (1.5) [a]	ND (1.4) [a]	ND (14)	ND (1.5) [a]	ND (7.3) [a]	ND (1.4)	ND (1.4)
Phenol	1	ND (0.39) [a]	**10.2** [c]	**3.5** [c]	**11.1** [c]	**14.6** [c]	ND (0.39)	**27.9**	ND (4.0) [a]	**11.2** [c]	0.99 J [c]	ND (0.39) [a]	ND (1.9)	ND (0.39) [a]	ND (0.43)	ND (0.41)	**28.7**	**29.9**	ND (0.41)	ND (2.1)	ND (0.39) [a]	**5.8** [c]
2,3,4,6-Tetrachlorophenol	-	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (15)	ND (1.5)	ND (1.5)	ND (1.5)	ND (7.2)	ND (1.5)	ND (1.6)	ND (1.5)	ND (1.4)	ND (15)	ND (1.5)	ND (7.7)	ND (1.5)	ND (1.5)
2,4,5-Trichlorophenol	-	ND (1.3)	ND (1.4)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.3)	ND (1.3)	ND (14)	ND (1.4)	ND (1.3)	ND (1.3)	ND (6.5)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.3)	ND (13)	ND (1.4)	ND (7.0)	ND (1.3)	ND (1.4)
2,4,6-Trichlorophenol	-	ND (0.92)	ND (0.95)	ND (0.92)	ND (0.97)	ND (0.97)	ND (0.92)	ND (0.92)	ND (9.5)	ND (0.97)	ND (0.92)	ND (0.92)	ND (4.5)	ND (0.92)	ND (1.0)	ND (0.97)	ND (0.91)	ND (9.2)	ND (0.97)	ND (4.9)	ND (0.92)	ND (0.95)
Acenaphthene	-	265	111	89.3	81.4	147	118	302	698	184	190	158	9.4	5.9	ND (0.21)	0.49 J	162	207	17.7	102	16.5	91.4
Acenaphthylene	-	4.3	12.7	7.1	11.1	18.1	ND (0.14)	3.8	28.9	5.3	4.5	ND (0.14)	0.98 J	0.20 J	ND (0.15)	ND (0.14)	11.1	54.3	1.4	8.4	0.33 J	4
Acetophenone	-	4	13	4.4	67.2	89.7	ND (0.21)	ND (0.21)	ND (2.1)	4.3	2.2	ND (0.21)	ND (1.0)	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.20)	12.3 J	0.53 J	ND (1.1)	ND (0.21)	5.3
Anthracene	-	3.3	9.3	13.3	4.7	9	6	14.5	225	5.8	35.8	8.9	1.2 J	0.29 J	ND (0.23)	ND (0.22)	18.6	32.9	3.4	39.5	0.39 J	2.3
Atrazine	7.5	ND (0.45)	ND (0.46)	ND (0.45)	ND (0.47)	ND (0.47)	ND (0.45) [a]	ND (0.45) [a]	ND (4.6)	ND (0.47)	ND (0.45)	ND (0.45)	ND (2.2)	ND (0.45)	ND (0.49) [a]	ND (0.47) [a]	ND (0.44) [a]	ND (4.5) [b]	ND (0.47) [a]	ND (2.4)	ND (0.45)	ND (0.46)
Benzaldehyde	-	ND (0.29)	ND (0.30)	ND (0.29)	ND (0.30)	ND (0.30)	ND (0.29)	ND (0.29)	ND (3.0)	ND (0.30)	ND (0.29)	ND (0.29)	ND (1.4)	ND (0.29)	ND (0.31)	ND (0.30)	ND (0.28)	ND (2.9)	ND (0.30)	ND (1.5)	ND (0.29)	ND (0.30)
Benzo(a)anthracene	-	0.42 J	1.3	2.2	0.72 J	1.6	0.49 J	1.1	23.2	ND (0.21)	6.2	0.44 J	2.0 J	ND (0.20)	ND (0.22)	ND (0.21)	2.9	9.1 J	1.2	24.8	ND (0.20)	0.38 J
Benzo(a)pyrene	ND	ND (0.21)	**0.54 J**	**1.5**	**0.40 J**	**0.97 J**	ND (0.21)	ND (0.21)	**5.4 J**	ND (0.22)	**3.5**	ND (0.21)	**1.2 J**	ND (0.21)	ND (0.23)	ND (0.22)	**1.7**	**4.6 J**	**0.77 J**	**18.1**	ND (0.21)	ND (0.22)
Benzo(b)fluoranthene	-	ND (0.21)	0.60 J	1.5	0.44 J	1.0 J	ND (0.21)	ND (0.21)	7.3 J	ND (0.22)	3.9	ND (0.21)	ND (1.0)	ND (0.21)	ND (0.22)	ND (0.22)	1.7	5.0 J	0.75 J	18.1	ND (0.21)	ND (0.21)
Benzo(g,h,i)perylene	-	ND (0.34)	ND (0.35)	0.75 J	ND (0.36)	0.58 J	ND (0.34)	ND (0.34)	ND (3.5) [a]	ND (0.36)	1.9	ND (0.34)	ND (1.7)	ND (0.34)	ND (0.37)	ND (0.36)	0.74 J	ND (3.4)	0.54 J	9.8	ND (0.34)	ND (0.35)
Benzo(k)fluoranthene	-	ND (0.21)	0.23 J	0.56 J	ND (0.22)	0.33 J	ND (0.21)	ND (0.21)	3.1 J	ND (0.22)	1.5	ND (0.21)	ND (1.0)	ND (0.21)	ND (0.22)	ND (0.22)	0.65 J	ND (2.1)	0.29 J	7	ND (0.21)	ND (0.21)
4-Bromophenyl phenyl ether	-	ND (0.40)	ND (0.41)	ND (0.40)	ND (0.43)	ND (0.43)	ND (0.40)	ND (0.40)	ND (4.1)	ND (0.43)	ND (0.40)	ND (0.40)	ND (2.0)	ND (0.40)	ND (0.44)	ND (0.43)	ND (0.40)	ND (4.0)	ND (0.43)	ND (2.1)	ND (0.40)	ND (0.41)
Butyl benzyl phthalate	-	ND (0.46)	ND (0.47)	ND (0.46)	ND (0.48)	ND (0.48)	ND (0.46)	ND (0.46)	ND (4.7)	ND (0.48)	ND (0.46)	ND (0.46)	ND (2.2)	ND (0.46)	ND (0.50)	ND (0.48)	ND (0.45)	ND (4.6)	ND (0.48)	ND (2.4)	ND (0.46)	ND (0.47)
1,1'-Biphenyl	5	**17.8**	**43.3**	**38.9**	**43.7**	**74**	**11**	**71.1**	**311**	**38.4**	**61.9**	**47.4**	ND (1.0)	ND (0.21)	ND (0.23)	ND (0.22)	**67.7**	**88.8**	0.58 J	**20.7**	ND (0.21)	**22.5**
2-Chloronaphthalene	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.24)	ND (2.4)	ND (0.25)	ND (0.24)	ND (0.24)	ND (1.2)	ND (0.24)	ND (0.26)	ND (0.25)	ND (0.23)	ND (2.4)	ND (0.25)	ND (1.2)	ND (0.24)	ND (0.24)
4-Chloroaniline	5	ND (0.34) [d]	ND (0.35) [d]	ND (0.34) [d]	ND (0.36) [d]	ND (0.36) [d]	ND (0.34)	ND (0.34)	ND (3.5)	ND (0.36) [d]	ND (0.34) [d]	ND (0.34) [d]	ND (1.7)	ND (0.34) [d]	ND (0.37)	ND (0.36)	ND (0.33)	ND (3.4)	ND (0.36)	ND (1.8)	ND (0.34) [d]	ND (0.35) [d]
Carbazole	-	56.2	114	40.3	57.6	84	19.3	61.2	40.8	ND (0.24)	69.3	102	ND (1.1)	0.40 J	ND (0.25)	ND (0.24)	126	148	14.2	71.8	ND (0.23)	34.3
Caprolactam	-	ND (0.65) [a]	ND (0.67) [a]	ND (0.65) [a]	ND (0.68) [a]	ND (0.68) [a]	ND (0.65)	ND (0.65)	ND (6.7) [a]	ND (0.68) [a]	ND (0.65) [a]	ND (0.65) [a]	ND (3.2)	ND (0.65) [a]	ND (0.71)	ND (0.68)	ND (0.64)	ND (6.5)	ND (0.68)	ND (3.4)	ND (0.65) [a]	ND (0.67) [a]
Chrysene	-	0.25 J	0.94 J	1.8	0.47 J	1.2	0.22 J	0.57 J	17.2	ND (0.19)	5	0.31 J	1.1 J	ND (0.18)	ND (0.19)	ND (0.19)	2.4	6.1 J	0.90 J	19.6	ND (0.18)	ND (0.18)
bis(2-Chloroethoxy)methane	5	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.28)	ND (2.9)	ND (0.29)	ND (0.28)	ND (0.28)	ND (1.4)	ND (0.28)	ND (0.30)	ND (0.29)	ND (0.27)	ND (2.8)	ND (0.29)	ND (1.5)	ND (0.28)	ND (0.29)
bis(2-Chloroethyl)ether	1	ND (0.25) [a]	ND (0.25) [a]	ND (0.25) [a]	ND (0.26) [a]	ND (0.26) [a]	ND (0.25)	ND (0.25)	ND (2.5)	ND (0.26) [a]	ND (0.25) [a]	ND (0.25) [a]	ND (1.2)	ND (0.25) [a]	ND (0.27)	ND (0.26)	ND (0.24)	ND (2.5)	ND (0.26)	ND (1.3)	ND (0.25) [a]	ND (0.25) [a]
2,2'-Oxybis(1-chloropropane)	5	ND (0.40)	ND (0.41)	ND (0.40)	ND (0.42)	ND (0.42)	ND (0.40)	ND (0.40)	ND (4.1)	ND (0.42)	ND (0.40)	ND (0.40)	ND (2.0)	ND (0.40)	ND (0.44)	ND (0.42)	ND (0.40)	ND (4.0)	ND (0.42)	ND (2.1)	ND (0.40)	ND (0.41)
4-Chlorophenyl phenyl ether	-	ND (0.37)	ND (0.38)	ND (0.37)	ND (0.39)	ND (0.39)	ND (0.37)	ND (0.37)	ND (3.8)	ND (0.39)	ND (0.37)	ND (0.37)	ND (1.8)	ND (0.37)	ND (0.40)	ND (0.39)	ND (0.36)	ND (3.7)	ND (0.39)	ND (1.9)	ND (0.37)	ND (0.38)
2,4-Dinitrotoluene	5	ND (0.55)	ND (0.57)	ND (0.55)	ND (0.58)	ND (0.58)	ND (0.55)	ND (0.55)	ND (5.7)	ND (0.58)	ND (0.55)	ND (0.55)	ND (2.7)	ND (0.55)	ND (0.60)	ND (0.58)	ND (0.54)	ND (5.5)	ND (0.58)	ND (2.9)	ND (0.55)	ND (0.57)
2,6-Dinitrotoluene	5	ND (0.48)	ND (0.49)	ND (0.48)	ND (0.50)	ND (0.50)	ND (0.48)	ND (0.48)	ND (4.9)	ND (0.50)	ND (0.48)	ND (0.48)	ND (2.3)	ND (0.48)	ND (0.52)	ND (0.50)	ND (0.47)	ND (4.8)	ND (0.50)	ND (2.5)	ND (0.48)	ND (0.49)
3,3'-Dichlorobenzidine	5	ND (0.51)	ND (0.52)	ND (0.51)	ND (0.53)	ND (0.53)	ND (0.51)	ND (0.51)	ND (5.2)	ND (0.53)	ND (0.51)	ND (0.51)	ND (2.5)	ND (0.51)	ND (0.55)	ND (0.53)	ND (0.50)	ND (5.1)	ND (0.53)	ND (2.7)	ND (0.51)	ND (0.52)
Dibenzo(a,h)anthracene	-	ND (0.33)	ND (0.34)	ND (0.33)	ND (0.35)	ND (0.35)	ND (0.33)	ND (0.33)	ND (3.4) [a]	ND (0.35)	0.52 J	ND (0.33)	ND (1.6)	ND (0.33)	ND (0.36)	ND (0.35)	ND (0.32)	ND (3.3) [b]	ND (0.35)	2.8 J	ND (0.33)	ND (0.34)
Dibenzofuran	-	78.3	72.9	73.6	64.3	120	42.6	160	594	90.2	149	97.1	2.7 J	3.7 J	ND (0.24)	ND (0.23)	123	160	8.8	74.5	ND (0.22)	49.2
Di-n-butyl phthalate	50	ND (0.50)	ND (0.51)	ND (0.50)	ND (0.52)	ND (0.52)	14.1 B	14.0 B	ND (5.1)	ND (0.52)	ND (0.50)	ND (0.50)	ND (2.4)	ND (0.50)	6.4 B	28.2 B	11.1 B	ND (5.0)	9.9 B	6.8 J	ND (0.50)	ND (0.51)
Di-n-octyl phthalate	-	ND (0.23)	ND (0.24)	ND (0.23)	ND (0.25)	ND (0.25)	ND (0.23)	ND (0.23)	ND (2.4)	ND (0.25)	ND (0.23)	ND (0.23)	ND (1.1)	ND (0.23)	ND (0.25)	ND (0.25)	ND (0.23)	ND (2.3)	ND (0.25)	ND (1.2)	ND (0.23)	ND (0.24)
Diethyl phthalate	-	ND (0.26)	ND (0.27)	ND (0.26)	ND (0.28)	ND (0.28)	ND (0.26)	ND (0.26)	ND (2.7)	ND (0.28)	ND (0.26)	ND (0.26)	ND (1.3)	ND (0.26)	ND (0.28)	ND (0.28)	ND (0.26)	ND (2.6)	ND (0.28)	ND (1.4)	ND (0.26)	ND (0.27)
Dimethyl phthalate	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.22)	ND (2.2)	ND (0.23)	ND (0.22)	ND (0.22)	ND (1.1)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.21)	ND (2.2)	ND (0.23)	ND (1.1)	ND (0.22)	ND (0.22)
bis(2-Ethylhexyl)phthalate	5	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (17)	ND (1.7)	ND (1.7)	ND (1.7)	ND (8.1)	ND (1.7)	ND (1.8)	ND (1.7)	ND (1.6)	ND (17)	ND (1.7)	ND (8.7)	ND (1.7)	ND (1.7)
Fluoranthene	-	2	6.9	11.9	2.8	6.6	4.9	10	178	1.8	33.3	4.8	6.8	1.7	0.37 J	0.48 J	18.4	36.5	3.9	84.5	0.74 J	2.6
Fluorene	-	34.5	52.4	54.2	33.5	61.4	25.6	80.4	533	57.4	111	73	1.3 J	1.5	ND (0.19)	ND (0.18)	89.3	134	6.8	78	ND (0.17)	30.4
Hexachlorobenzene	0.04	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.33)	ND (0.33)	ND (3.3)	ND (0.34)	ND (0.33)	ND (0.33)	ND (1.6)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.32)	ND (3.3)	ND (0.34)	ND (1.7)	ND (0.33)	ND (0.33)
Hexachlorobutadiene	0.5	ND (0.49)	ND (0.50)	ND (0.49)	ND (0.52)	ND (0.52)	ND (0.49)	ND (0.49)	ND (5.0)	ND (0.52)	ND (0.49)	ND (0.49)	ND (2.4)	ND (0.49)	ND (0.53)	ND (0.52)	ND (0.48)	ND (4.9)	ND (0.52)	ND (2.6)	ND (0.49)	ND (0.50)
Hexachlorocyclopentadiene	5	ND (2.8)	ND (2.9)	ND (2.8)	ND (2.9)	ND (2.9)	ND (2.8)	ND (2.8)	ND (29)	ND (2.9)	ND (2.8)	ND (2.8)	ND (14)	ND (2.8)	ND (3.0)	ND (2.9)	ND (2.7)	ND (28)	ND (2.9)	ND (15)	ND (2.8)	ND (2.9)
Hexachloroethane	5	ND (0.39)	ND (0.40)	ND (0.39)	ND (0.41)	ND (0.41)	ND (0.39)	ND (0.39)	ND (4.0)	ND (0.41)	ND (0.39)	ND (0.39)	ND (1.9)	ND (0.39)	ND (0.42)	ND (0.41)	ND (0.38)	ND (3.9)	ND (0.41)	ND (2.1)	ND (0.39)	ND (0.40)
Indeno(1,2,3-cd)pyrene	-	ND (0.33)	ND (0.34)	0.83 J	ND (0.35)	0.50 J	ND (0.33)	ND (0.33)	ND (3.4) [a]	ND (0.35)	2.2	ND (0.33)	ND (1.6)	ND (0.33)	ND (0.36)	ND (0.35)	0.91 J	ND (3.3) [b]	0.49 J	11.7	ND (0.33)	ND (0.34)
Isophorone	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.28)	ND (2.8)	ND (0.29)	ND (0.28)	ND (0.28)	ND (1.4)	ND (0.28)	ND (0.30)	ND (0.29)	ND (0.27)	ND (2.8)	ND (0.29)	ND (1.5)	ND (0.28)	ND (0.28)
2-Methylnaphthalene	-	288	359	464	439	721	50.1	400	2970	316	379	135	ND (1.0)	ND (0.21)	ND (0.23)	ND (0.22)	411	586	0.96 J	21.8	ND (0.21)	83
2-Nitroaniline	5	ND (0.28) [a]	ND (0.28) [a]	ND (0.28) [a]	ND (0.29) [a]	ND (0.29) [a]	ND (0.28)	ND (0.28)	ND (2.8) [a]	ND (0.29) [a]	ND (0.28) [a]	ND (0.28) [a]	ND (1.4)	ND (0.28) [a]	ND (0.30)	ND (0.29)	ND (0.27)	ND (2.8)	ND (0.29)	ND (1.5)	ND (0.28) [a]	ND (0.28) [a]
3-Nitroaniline	5	ND (0.39)	ND (0.40)	ND (0.39)	ND (0.41)	ND (0.41)	ND (0.39)	ND (0.39)	ND (4.0)	ND (0.41)	ND (0.39)	ND (0.39)	ND (1.9)	ND (0.39)	ND (0.42)	ND (0.41)	ND (0.38)	ND (3.9)	ND (0.41)	ND (2.0)	ND (0.39)	ND (0.40)
4-Nitroaniline	5	ND (0.44)	ND (0.45)	ND (0.44)	ND (0.46)	ND (0.46)	ND (0.44)	ND (0.44)	ND (4.5)	ND (0.46)	ND (0.44)	ND (0.44)	ND (2.2)	ND (0.44)	ND (0.48)	ND (0.46)	ND (0.43)	ND (4.4)	ND (0.46)	ND (2.3)	ND (0.44)	ND (0.45)
Naphthalene	-	5250	5980	10700	6850	18400	961	7330	14500	5650	4510	1500	13.6	10.6	ND (0.25)	ND (0.24)	17300	14300	11.1	793	ND (0.23)	1660
Nitrobenzene	0.4	ND (0.64)	ND (0.66)	ND (0.64)	ND (0.68)	ND (0.68)	ND (0.64)	ND (0.64)	ND (6.6) [a]	ND (0.68)	ND (0.64)	ND (0.64)	ND (3.1)	ND (0.64)	ND (0.70)	ND (0.68)	ND (0.63)	ND (6.4)	ND (0.68)	ND (3.4)	ND (0.64)	ND (0.66)
N-Nitroso-di-n-propylamine	-	ND (0.48)	ND (0.49)	ND (0.48)	ND (0.51)	ND (0.51)	ND (0.48)	ND (0.48)	ND (4.9)	ND (0.51)	ND (0.48)	ND (0.48)	ND (2.4)	ND (0.48)	ND (0.52)	ND (0.51)	ND (0.47)	ND (4.8)	ND (0.51)	ND (2.5)	ND (0.48)	ND (0.49)
N-Nitrosodiphenylamine	-	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.22)	ND (2.3)	ND (0.23)	ND (0.22)	ND (0.22)	ND (1.1)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.22)	ND (2.2)	ND (0.23)	ND (1.2)	ND (0.22)	ND (0.23)
Phenanthrene	-	28.1	51.1	72.7	31.2	63.8	35.8	63.4	817	44	165	66.8	3.9 J	2.7	ND (0.19)	ND (0.18)	104	160	10.8	191	ND (0.18)	18.1
Pyrene	-	1.6	5.6	10	2.1	4.6	2.8	6.5	128	1.1	24.8	3.3	4.9	1.8	0.69 J	0.69 J	11.1	23	3.1	57.5	0.37 J	2
1,2,4,5-Tetrachlorobenzene	5	ND (0.37)	ND (0.38)	ND (0.37)	ND (0.39)	ND (0.39)	ND (0.37)	ND (0.37)	ND (3.8)	ND (0.39)	ND (0.37)	ND (0.37)	ND (1.8)	ND (0.37)	ND (0.40)	ND (0.39)	ND (0.36)	ND (3.7)	ND (0.39)	ND (2.0)	ND (0.37)	ND (0.38)

Footnotes:
All Results presented in ug/L.

[a] Associated CCV outside of control limits high, sample was ND.

[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

[e] Sample was titrated to a final pH of 4.5.Sample received with head space.

[f] Calculated as: (Iron) - (Iron, Ferrous)

[g] Field analysis required. Received out of hold time and analyzed by request.

[h] Associated CCV outside of control limits low.

Table 2
Groundwater Analytical Results
October 2022

Client Sample ID:	NY TOGS Class GA GW Standards (NYSDEC 6/2004)1	MW-21(S)	MW-7R	MW-16(S)	MW-9	MW-20(S)	MW-15(D)	MW-17(S)	MW-11(D)	MW-10	MW-19(D)	MW-24(S)	MW-24(D)	MW-25(S)	MW-25(D)	MW-26(S)	MW-26(D)	MW-27(S)	MW-27(D)	MW-30(S)	MW-30(D)
Lab Sample ID:		JD54013-7	JD54013-1	JD54013-2	JD54013-13	JD54013-20	JD54013-21	JD54013-5	JD54013-6	JD54013-11	JD54013-10	JD54013-15	JD54013-12	JD54013-16	JD54013-17	JD54013-22	JD55285-1	JD54013-18	JD54013-19	JD54013-8	JD54013-9
Date Sampled:		10/20/2022	10/19/2022	10/19/2022	10/20/2022	10/21/2022	10/21/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/21/2022	10/20/2022	10/21/2022	10/21/2022	10/21/2022	11/8/2022	10/21/2022	10/21/2022	10/20/2022	10/20/2022
Matrix:		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
GC Volatiles (RSK-175)																					
Methane	-	2430	3180	3220	5090	6540	6780	543	3060	3550	5020	3290	3310	470	563	9930	3960	5570	6600	50.4	5940
Ethane	-	0.17	0.39	0.18	0.43	0.25	0.93	ND (0.14)	0.5	0.48	0.63	0.97	0.61	0.3	0.43	1.5	1.7	1.1	0.24	ND (0.14)	0.37
Ethene	-	ND (0.16)	0.21	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.25	0.26	0.17	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.17
Carbon Dioxide	-	245	1940	4070	1210	1130	14900	1260	1840	6790	1610	1130	1210	6570	2240	8310	7810	2850	2890	9550	2630
Metals Analysis																					
Iron	300	**1860**	**2480**	**1410**	**5450**	**711**	**674**	**980**	**653**	**2280**	**423**	**1740**	<100	**4170**	**786**	**1240**	**2430**	**2120**	**621**	**2150**	**2050**
General Chemistry																					
Alkalinity, Total as CaCO3	-	181 [e]	383 [e]	434 [e]	881 [e]	690 [e]	1380 [e]	555 [e]	895 [e]	1730 [e]	459 [e]	569 [e]	558 [e]	376 [e]	381 [e]	1190 [e]	1580 [b]	740 [e]	1660 [e]	359 [e]	550 [e]
Iron, Ferric	-	1.7 [f]	1.7 [f]	0.85 [f]	4.8 [f]	0.53 [f]	0.67 [f]	0.85 [f]	0.43 [f]	2.3 [f]	0.39 [f]	1.7 [f]	<0.30 [f]	4.1 [f]	0.79 [f]	1.2 [f]	1.7 [c]	1.9 [f]	0.58 [f]	2.0 [f]	1.8 [f]
Iron, Ferrous	-	<0.20 [g]	0.76 [g]	0.56 [g]	0.68 [g]	<0.20 [g]	<0.20 [g]	<0.20 [g]	0.22 [g]	<0.20 [g]	<0.20 [g]	<0.20 [g]	<0.20 [g]	<0.20 [g]	<0.20 [g]	<0.20 [g]	0.73 [d]	0.26 [g]	<0.20 [g]	<0.20 [g]	0.28 [g]
Sulfate	250	38.2	144	80.6	59.9	**304**	214	102	**347**	**994**	6.3	68.7	25.6	**765**	**1090**	4.6	**254**	70.9	4.7	199	20.2
Sulfide	-	<2.0	<2.0	4.1	3.2	2.5	3	3.5	<2.0	6.1	5.4	<2.0	3.8	<2.0	<2.0	6.5	<2.0	<2.0	<2.0	2.1	5.8

Footnotes:
Results for GC Volatiles (RSK-175) and General Chemistry presented in ug/L.
Results for Metals Analysis presented in mg/L.

[a] Associated CCV outside of control limits high, sample was ND.

[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

[e] Sample was titrated to a final pH of 4.5.Sample received with head space.

[f] Calculated as: (Iron) - (Iron, Ferrous)

[g] Field analysis required. Received out of hold time and analyzed by request.

[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-7R												
Date Sampled		JA85941-2 9/12/2011 Post Treatment	JA99488-1 2/15/2012	JB6090-7 5/9/2012	JB14495-19 8/28/2012	JB24251-14 12/18/2012	JB31339-1 3/13/2013	JB39234-1 6/10/2013	JB47100-1 9/11/2013	JB56101-1 12/19/2013	JB62930-1 3/25/2014	JB70373-3 6/24/2014	JB77273-4 9/22/2014	JD54013-1 10/19/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Volatiles ug/L SW846 8260B														
Acetone	50	<380	<380	189 J	<82	<160	<160	180 J	243	<500	140 J	165 J	192 J	ND (31)
Benzene	1	2000	3270	2240	2050	2400	2330	995	2690	2710	1910	2070	2620	2750
Bromochloromethane	NS	<20	<20	<7.9	<7.5	<15	<15	<6.0	<100	<250	<10	< 8.3	<130	ND (4.8)
Bromodichloromethane	50	<11	<11	<4.6	<5.2	<10	<10	<4.1	<20	<50	<5.3	< 4.2	<25	ND (4.5)
Bromoform	50	<12	<12	<4.9	<5.4	<11	<11	<4.3	<80	<200	<7.5	< 6.0	<100	ND (6.3)
Bromomethane	5	<16	<16	<6.3	<5.5	<11	<11	<4.4	<40	<100	<14	< 11	<50	ND (16) b
2-Butanone MEK	50	<150	<150	<58	<59	<120	<120	<47	<200	<500	<80	< 64	<250	ND (27)
Carbon disulfide	60	204	155	<3.6	67.0	102	<9.5	63.6	136	181	176	199	149	ND (4.6)
Carbon tetrachloride	5	<9.7	<9.7	<3.9	<5.4	<11	<11	<4.3	<20	<50	<5.7	< 4.5	<25	ND (5.5)
Chlorobenzene	5	<11	<11	<4.5	<5.7	<11	<11	<4.6	<20	<50	<8.7	< 6.9	<25	ND (5.6)
Chloroethane	5	<18	<18	<7.3	<6.6	<13	<13	<5.2	<20	<50	<9.7	< 7.8	<25	ND (7.3) b
Chloroform	7	<10	<10	<4.1	<5.1	<10	<10	<4.1	<20	<50	<6.1	< 4.9	<25	66.5
Chloromethane	NS	<11	<11	<4.4	<5.2	<10	<10	<4.1	<20	<50	<9.1	< 7.3	<25	ND (7.6) b
Cyclohexane	NS	37.6 J	<14	12.6 J	<8.9	22.4 J	34.6 J	<7.1	30.6 J	39.7 J	32.5 J	36.2 J	26.8 J	22.8 J
1,2-Dibromo-3-chloropropane	0.04	<63	<63	<25	<13	<27	<27	<11	<200	<500	<32	< 25	<250	ND (5.3)
Dibromochloromethane	50	<10	<10	<4.1	<3.4	<6.8	<6.8	<2.7	<20	<50	<4.8	< 3.8	<25	ND (5.6)
1,2-Dibromoethane	NS	<10	<10	<4.2	<4.9	<9.8	<9.8	<3.9	<40	<100	<4.0	< 3.2	<50	ND (4.8)
1,2-Dichlorobenzene	3	<9.2	<9.2	<3.7	<5.4	<11	<11	<4.3	<20	<50	<5.1	< 4.1	<25	ND (5.3)
1,3-Dichlorobenzene	3	<14	<14	<5.7	<5.6	<11	<11	<4.5	<20	<50	<7.9	< 6.3	<25	ND (5.4)
1,4-Dichlorobenzene	3	<13	<13	<5.1	<7.5	<15	<15	<6.0	<20	<50	<7.5	< 6.0	<25	ND (5.1)
Dichlorodifluoromethane	NS	<16	<16	<6.2	<6.7	<13	<13	<5.4	<100	<250	<16	< 13	<130	ND (5.6)
1,1-Dichloroethane	5	<9.6	<9.6	<3.8	<2.7	<5.3	<5.3	<2.1	<20	<50	<6.5	< 5.2	<25	ND (5.7)
1,2-Dichloroethane	0.6	<9.0	<9.0	<3.6	<6.5	<13	<13	<5.2	<20	<50	<5.5	< 4.4	<25	ND (6.0)
1,1-Dichloroethene	5	<14	<14	<5.6	<4.8	<9.6	<9.6	<3.8	<20	<50	<8.6	< 6.9	<25	ND (5.9)
cis-1,2-Dichloroethene	5	<11	<11	<4.3	<4.7	<9.4	<9.4	<3.8	<20	<50	<6.0	< 4.8	<25	ND (5.1)
trans-1,2-Dichloroethene	5	<16	<16	<6.3	<5.3	<11	<11	<4.2	<20	<50	<9.5	< 7.6	<25	ND (5.4)
1,2-Dichloropropane	1	<11	<11	<4.3	<12	<24	<24	<9.7	<20	<50	<7.0	< 5.6	<25	ND (5.1)
cis-1,3-Dichloropropene	NS	<11	<11	<4.3	<5.2	<10	<10	<4.1	<20	<50	<3.8	< 3.0	<25	ND (4.7)
trans-1,3-Dichloropropene	NS	<9.3	<9.3	<3.7	<4.7	<9.5	<9.5	<3.8	<20	<50	<5.2	< 4.1	<25	ND (4.3)
1,4-Dioxane	NS	<3600	<3600	<1400	<1900	<3700	<3700	<1500	<2500	<6300	<1800	< 1500	<3100	ND (190)
Ethylbenzene	5	1630	1280	1040	1010	1390	1790	801	1690	1720	1620	1660	1510	1210
Freon 113	NS	<25	<25	<9.8	<13	<27	<27	<11	<100	<250	<19	< 15	<130	ND (5.8)
2-Hexanone	50	<150	<150	<61	<28	<57	<57	<23	<100	<250	<43	< 34	<130	ND (20)
Isopropylbenzene	5	108	75.4 J	66.8	46.3 J	63.9 J	93.1 J	34.1 J	86.1	88.1 J	84.4	80.3	68.9	51.1
Methyl Acetate	NS	<140	<140	<57	<29	<58	<58	<23	<100	<250	<38	< 30	<130	ND (8.0)
Methylcyclohexane	NS	113 J	42.4 J	47.0 J	11.1 J	34.1 J	49.8 J	8.1 J	47.2 J	65.2 J	49.0 J	49.4 J	34.7 J	27.5 J
Methyl Tert Butyl Ether	10	<9.2	<9.2	<3.7	<4.1	<8.2	<8.2	<3.3	<20	<50	<7.1	< 5.7	<25	ND (5.1)
4-Methyl-2-pentanoneMIBK	NS	<61	<61	<24	<21	<41	<41	<17	<100	<250	<37	< 30	<130	ND (19)
Methylene chloride	5	<10	<10	<4.0	<18	<35	<35	<14	<40	<100	<22	< 17	<50	ND (10)
Styrene	NS	<11	<11	<4.6	<5.4	<11	<11	<4.3	<100	<250	<7.6	< 6.0	<130	ND (4.9)
1,1,2,2-Tetrachloroethane	5	<10	<10	<4.0	<5.4	<11	<11	<4.3	<20	<50	<4.9	< 3.9	<25	ND (6.5)
Tetrachloroethene	5	<16	<16	<6.4	<7.0	<14	<14	<5.6	<20	<50	<6.3	< 5.0	<25	ND (5.6)
Toluene	5	1310	1240	1090	1110	1390	1480	645	1160	1290	1220	1310	1190	3460
1,2,3-Trichlorobenzene	NS	<34	<34	<14	<7.1	<14	<14	<5.6	<100	<250	<6.1	< 4.9	<130	ND (5.0)
1,2,4-Trichlorobenzene	5	<7.5	<7.5	<3.0	<5.1	<10	<10	<4.1	<100	<250	<5.4	< 4.3	<130	ND (5.0)
1,1,1-Trichloroethane	5	<12	<12	<4.7	<5.9	<12	<12	<4.7	<20	<50	<6.2	< 5.0	<25	ND (5.4)
1,1,2-Trichloroethane	1	<12	<12	<4.6	<7.2	<14	<14	<5.7	<20	<50	<5.3	< 4.2	<25	ND (5.3)
Trichloroethene	5	<11	<11	<4.2	<5.4	<11	<11	<4.3	<20	<50	<13	< 10	<25	ND (5.3)
Trichlorofluoromethane	5	<18	<18	<7.0	<6.7	<13	<13	<5.3	<100	<250	<8.4	< 6.7	<130	ND (4.0)
Vinyl chloride	2	<13	<13	<5.3	<5.2	<10	<10	<4.1	<20	<50	<10	< 8.3	<25	ND (5.2) b
m,p-Xylene	NS	4150	3060	2500	2590	3530	4490	2150	3810	4410	4080	4060	3700	4860
o-Xylene	NS	2170	1660	1390	1440	1920	2290	1240	1970	2290	2090	2110	1980	1700
Xylene total	5	6320	4720	3890	4030	5460	6780	3400	5790	6700	6160	6170	5690	6560

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-9 Treatment Zone Well												
Date Sampled		JA85941-1 9/12/2011 Post Treatment	JA99361-1 2/14/2012	JB5986-1 5/8/2012	JB14495-1 8/27/2012	JB24251-1 12/18/2012	JB31021-1 3/11/2013	JB39020-1 6/6/2013	JB46946-1 9/10/2013	JB55981-1 12/18/2013	JB62930-2 3/25/2014	JB70168-8 6/24/2014	JB77273-13 9/23/2014	JD54013-13 10/20/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Volatiles ug/L SW846 8260B														
Acetone	50	<760	<760	<500	**722** J	<330	<330	**809** J	**756** J	**504** J	**291** J	< 330	**309** J	ND (310) b
Benzene	1	**1760**	**1210**	**1740**	**1850**	**828**	**1450**	**2660**	**2020**	**1870**	**1620**	**1980**	**1430**	**384**
Bromochloromethane	NS	<40	<40	<40	<30	<30	<30	<30	<500	<500	<21	< 42	<500	ND (48)
Bromodichloromethane	50	<23	<23	<23	<21	<21	<21	<21	<100	<100	<11	< 21	<100	ND (45)
Bromoform	50	<24	<24	<24	<21	<21	<21	<21	<400	<400	<15	< 30	<400	ND (63)
Bromomethane	5	<31	<31	<31	<22	<22	<22	<22	<200	<200	<28	< 56	<200	ND (160)
2-Butanone MEK	50	<290	<290	<290	<240	<240	<240	<240	<1000	<1000	<160	< 320	<1000	ND (270) b
Carbon disulfide	60	<18	<18	<18	<19	34.1 J	<19	26.0 J	<200	31.4 J	30.3 J	35.9 J	<200	ND (46)
Carbon tetrachloride	5	<19	<19	<19	<22	<22	<22	<22	<100	<100	<11	< 23	<100	ND (55)
Chlorobenzene	5	<22	**41.1** J	<22	<23	<23	<23	<23	<100	<100	<17	< 35	<100	ND (56)
Chloroethane	5	<37	<37	<37	<26	<26	<26	<26	<100	<100	<19	< 39	<100	ND (73)
Chloroform	7	<21	<21	<21	<20	<20	<20	<20	<100	<100	<12	< 25	<100	ND (50)
Chloromethane	NS	<22	<22	<22	<21	<21	<21	<21	<100	<100	<18	< 36	<100	ND (76) b
Cyclohexane	NS	<29	<29	<29	<35	<35	<35	<35	<500	<500	<9.0	< 18	<500	ND (78)
1,2-Dibromo-3-chloropropane	0.04	<130	<130	<130	<54	<54	<54	<54	<1000	<1000	<63	< 130	<1000	ND (53)
Dibromochloromethane	50	<20	<20	<20	<14	<14	<14	<14	<100	<100	<9.6	< 19	<100	ND (56)
1,2-Dibromoethane	NS	<21	<21	<21	<20	<20	<20	<20	<200	<200	<8.0	< 16	<200	ND (48)
1,2-Dichlorobenzene	3	<18	<18	<18	<22	<22	<22	<22	<100	<100	<10	< 20	<100	ND (53)
1,3-Dichlorobenzene	3	<29	<29	<29	<22	<22	<22	<22	<100	<100	<16	< 31	<100	ND (54)
1,4-Dichlorobenzene	3	<26	<26	<26	<30	<30	<30	<30	<100	<100	<15	< 30	<100	ND (51)
Dichlorodifluoromethane	NS	<31	<31	<31	<27	<27	<27	<27	<500	<500	<32	< 63	<500	ND (56)
1,1-Dichloroethane	5	<19	<19	<19	<11	<11	<11	<11	<100	<100	<13	< 26	<100	ND (57)
1,2-Dichloroethane	0.6	<18	<18	<18	<26	<26	<26	<26	<100	<100	<11	< 22	<100	ND (60) b
1,1-Dichloroethene	5	<28	<28	<28	<19	<19	<19	<19	<100	<100	<17	< 34	<100	ND (59)
cis-1,2-Dichloroethene	5	<22	<22	<22	<19	<19	<19	<19	<100	<100	<12	< 24	<100	ND (51)
trans-1,2-Dichloroethene	5	<31	<31	<31	<21	<21	<21	<21	<100	<100	<19	< 38	<100	ND (54)
1,2-Dichloropropane	1	<22	<22	<22	<48	<48	<48	<48	<100	<100	<14	< 28	<100	ND (51)
cis-1,3-Dichloropropene	NS	<22	<22	<22	<21	<21	<21	<21	<100	<100	<7.6	< 15	<100	ND (47)
trans-1,3-Dichloropropene	NS	<19	<19	<19	<19	<19	<19	<19	<100	<100	<10	< 21	<100	ND (43)
1,4-Dioxane	NS	<7200	<7200	<7200	<7500	<7500	<7500	<7500	<13000	<13000	<3600	< 7300	<13000	ND (1900)
Ethylbenzene	5	**1360**	**759**	**1150**	**1240**	**641**	**939**	**1360**	**1150**	**1260**	**1140**	**1160**	**1040**	**1230**
Freon 113	NS	<49	<49	<49	<53	<53	<53	<53	<500	<500	<38	< 77	<500	ND (58)
2-Hexanone	50	<300	<300	<300	<110	<110	<110	<110	<500	<500	<85	< 170	<500	ND (200)
Isopropylbenzene	5	**66.1** J	**39.9** J	**58.7** J	**59.5** J	<45	**52.3** J	**70.0** J	**60.7** J	**70.1** J	**69.0** J	**64.5** J	**59.9** J	ND (65)
Methyl Acetate	NS	<290	<290	<290	<120	<120	<120	<120	<500	<500	<75	< 150	<500	ND (80)
Methylcyclohexane	NS	<18	<18	<18	<26	<26	<26	<26	<500	<500	<7.7	< 15	<500	ND (60)
Methyl Tert Butyl Ether	10	<18	<18	<18	<16	<16	<16	<16	<100	<100	<14	< 29	<100	ND (51)
4-Methyl-2-pentanoneMIBK	NS	<120	<120	<120	<83	<83	<83	<83	<500	<500	<74	< 150	<500	ND (190)
Methylene chloride	5	<20	<20	<20	<70	<70	<70	<70	<200	<200	<43	< 86	<200	ND (100)
Styrene	NS	<23	<23	<23	<21	<21	<21	<21	<500	<500	<15	< 30	<500	ND (49)
1,1,2,2-Tetrachloroethane	5	<20	<20	<20	<21	<21	<21	<21	<100	<100	<9.8	< 20	<100	ND (65)
Tetrachloroethene	5	<32	<32	<32	<28	<28	<28	<28	<100	<100	<13	< 25	<100	ND (56)
Toluene	5	**23200**	**13200**	**22800**	**22700**	**10200**	**18200**	**25000**	**23000**	**24900**	**21400**	**25200**	**18600**	**15200**
1,2,3-Trichlorobenzene	NS	<69	<69	<69	<28	<28	<28	<28	<500	<500	<12	< 24	<500	ND (50)
1,2,4-Trichlorobenzene	5	<15	<15	<15	<20	<20	<20	<20	<500	<500	<11	< 22	<500	ND (50)
1,1,1-Trichloroethane	5	<24	<24	<24	<24	<24	<24	<24	<100	<100	<12	< 25	<100	ND (54)
1,1,2-Trichloroethane	1	<23	<23	<23	<29	<29	<29	<29	<100	<100	<11	< 21	<100	ND (53)
Trichloroethene	5	<21	<21	<21	<22	<22	<22	<22	<100	<100	<25	< 50	<100	ND (53)
Trichlorofluoromethane	5	<35	<35	<35	<27	<27	<27	<27	<500	<500	<17	< 33	<500	ND (40)
Vinyl chloride	2	<27	<27	<27	<21	<21	<21	<21	<100	<100	<21	< 41	<100	ND (52) b
m,p-Xylene	NS	4020	2200	3250	3450	1710	2710	3860	3200	3620	3290	3390	2910	3440
o-Xylene	NS	1820	961	1400	1540	789	1220	1680	1420	1570	1430	1410	1300	**1570**
Xylene total	5	**5830**	**3170**	**4650**	**4990**	**2490**	**3930**	**5540**	**4630**	**5180**	**4720**	**4800**	**4210**	**5010**

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-10 Treatment Zone Well												
Date Sampled		JA86022-4 9/13/2011 Post Treatment	JA99488-2 2/15/2012	JB6090-5 5/9/2012	JB14495-2 8/27/2012	JB24346-1 12/19/2012	JB31021-2 3/11/2013	JB39020-2 6/6/2013	JB46946-2 9/10/2013	JB55981-2 12/18/2013	JB62825-1 3/24/2014	NOT SAMPLED	JB77273-17 9/23/2014	JD54013-11 10/20/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
GC/MS Volatiles ug/L SW846 8260B														
Acetone	50	**282**	<76	**146**	**366**	**161**	**123**	**134** J	**261**	**91.5**	**50.8** J		**136** J	ND (31) b
Benzene	1	**19.8** J	**14.4**	**28.3**	**49.6**	**40.5**	**31.5**	**33.1**	**45.4**	**33.6**	**26.9**		**47.4**	**43.2**
Bromochloromethane	NS	<9.9	<4.0	<0.40	<3.0	<0.30	<0.60	<6.0	<25	<25	<4.2		<130	ND (4.8)
Bromodichloromethane	50	<5.7	<2.3	<0.23	<2.1	<0.21	<0.41	<4.1	<5.0	<5.0	<2.1		<25	ND (4.5)
Bromoform	50	<6.1	<2.4	<0.24	<2.1	<0.21	<0.43	<4.3	<20	<20	<3.0		<100	ND (6.3)
Bromomethane	5	<7.9	<3.1	<0.31	<2.2	<0.22	<0.44	<4.4	<10	<10	<5.6		<50	ND (16)
2-Butanone MEK	50	<73	<29	18.7	<24	18.0	<4.7	<47	16.4 J	<50	<32		<250	ND (27) b
Carbon disulfide	60	13.1 J	3.7 J	4.8	8.1 J	2.9	2.2 J	<3.8	6 J	3.3 J	<1.8		<50	ND (4.6)
Carbon tetrachloride	5	<4.9	<1.9	<0.19	<2.2	<0.22	<0.43	<4.3	<5.0	<5.0	<2.3		<25	ND (5.5)
Chlorobenzene	5	<5.6	<2.2	<0.22	<2.3	<0.23	<0.46	<4.6	<5.0	<5.0	<3.5		<25	ND (5.6)
Chloroethane	5	<9.2	<3.7	<0.37	<2.6	<0.26	<0.52	<5.2	<5.0	<5.0	<3.9		<25	ND (7.3)
Chloroform	7	<5.2	<2.1	<0.21	<2.0	<0.20	<0.41	<4.1	<5.0	<5.0	<2.5		<25	ND (5.0)
Chloromethane	NS	<5.5	<2.2	<0.22	<2.1	<0.21	<0.41	<4.1	<5.0	<5.0	<3.6		<25	ND (7.6) b
Cyclohexane	NS	<7.2	<2.9	2.0 J	<3.5	1.4 J	1.6 J	<7.1	<25	1.5 J	<1.8		<130	ND (7.8)
1,2-Dibromo-3-chloropropane	0.04	<32	<13	<1.3	<5.4	<0.54	<1.1	<11	<50	<50	<13		<250	ND (5.3)
Dibromochloromethane	50	<5.1	<2.0	<0.20	<1.4	<0.14	<0.27	<2.7	<5.0	<5.0	<1.9		<25	ND (5.6)
1,2-Dibromoethane	NS	<5.2	<2.1	<0.21	<2.0	<0.20	<0.39	<3.9	<10	<10	<1.6		<50	ND (4.8)
1,2-Dichlorobenzene	3	<4.6	<1.8	<0.18	<2.2	<0.22	<0.43	<4.3	<5.0	<5.0	**16.3**		<25	ND (5.3)
1,3-Dichlorobenzene	3	<7.2	<2.9	<0.29	<2.2	<0.22	<0.45	<4.5	<5.0	<5.0	<3.1		<25	ND (5.4)
1,4-Dichlorobenzene	3	<6.4	<2.6	<0.26	<3.0	<0.30	<0.60	<6.0	<5.0	<5.0	<3.0		<25	ND (5.1)
Dichlorodifluoromethane	NS	<7.8	<3.1	<0.31	<2.7	<0.27	<0.54	<5.4	<25	<25	<6.3		<130	ND (5.6)
1,1-Dichloroethane	5	<4.8	<1.9	<0.19	<1.1	<0.11	<0.21	<2.1	<5.0	<5.0	<2.6		<25	ND (5.7)
1,2-Dichloroethane	0.6	<4.5	<1.8	<0.18	<2.6	<0.26	<0.52	<5.2	<5.0	<5.0	<2.2		<25	ND (6.0) b
1,1-Dichloroethene	5	<7.0	<2.8	<0.28	<1.9	<0.19	<0.38	<3.8	<5.0	<5.0	<3.4		<25	ND (5.9)
cis-1,2-Dichloroethene	5	<5.4	<2.2	<0.22	<1.9	<0.19	<0.38	<3.8	<5.0	<5.0	<2.4		<25	ND (5.1)
trans-1,2-Dichloroethene	5	<7.8	<3.1	<0.31	<2.1	<0.21	<0.42	<4.2	<5.0	<5.0	<3.8		<25	ND (5.4)
1,2-Dichloropropane	1	<5.4	<2.2	<0.22	<4.8	<0.48	<0.97	<9.7	<5.0	<5.0	<2.8		<25	ND (5.1)
cis-1,3-Dichloropropene	NS	<5.4	<2.2	<0.22	<2.1	<0.21	<0.41	<4.1	<5.0	<5.0	<1.5		<25	ND (4.7)
trans-1,3-Dichloropropene	NS	<4.6	<1.9	<0.19	<1.9	<0.19	<0.38	<3.8	<5.0	<5.0	<2.1		<25	ND (4.3)
1,4-Dioxane	NS	<1800	<720	<72	<750	209	257	<1500	<630	<630	<730		<3100	ND (190)
Ethylbenzene	5	**582**	**21.7**	**928**	**1660**	**374**	**488**	**601**	**911**	**755**	**590**		**859**	**824**
Freon 113	NS	<12	<4.9	<0.49	<5.3	<0.53	<1.1	<11	<25	<25	<7.7		<130	ND (5.8)
2-Hexanone	50	<76	<30	<3.0	<11	<1.1	<2.3	<23	<25	<25	<17		<130	ND (20)
Isopropylbenzene	5	**51.0**	**8.9** J	**87.6**	**117**	**46.7**	**44.3**	**48.3**	**62.9**	**55.8**	**50.0**		**53.1**	**61.5**
Methyl Acetate	NS	<72	<29	<2.9	<12	<1.2	<2.3	<23	<25	<25	<15		<130	ND (8.0)
Methylcyclohexane	NS	<4.6	<1.8	2.0 J	<2.6	1.6 J	1.4 J	<5.2	<25	1.6 J	<1.5		<130	ND (6.0)
Methyl Tert Butyl Ether	10	<4.6	<1.8	<0.18	<1.6	<0.16	<0.33	<3.3	<5.0	<5.0	<2.9		<25	ND (5.1)
4-Methyl-2-pentanoneMIBK	NS	<30	<12	<1.2	<8.3	<0.83	<1.7	<17	<25	<25	<15		<130	ND (19)
Methylene chloride	5	<5.1	<2.0	1.4 J	<7.0	<0.70	<1.4	<14	<10	<10	<8.6		<50	ND (10)
Styrene	NS	<5.7	<2.3	<0.23	<2.1	<0.21	<0.43	<4.3	<25	<25	<3.0		<130	ND (4.9)
1,1,2,2-Tetrachloroethane	5	<5.0	<2.0	<0.20	<2.1	<0.21	<0.43	<4.3	<5.0	<5.0	<2.0		<25	ND (6.5)
Tetrachloroethene	5	<8.0	<3.2	<0.32	<2.8	<0.28	<0.56	<5.6	<5.0	<5.0	<2.5		<25	ND (5.6)
Toluene	5	**18.9** J	<1.5	**22.4**	**61.0**	**13.1**	**13.1**	**16.5** J	**34**	**19.2**	**17.2**		**34.6**	**21.9**
1,2,3-Trichlorobenzene	NS	<17	<6.9	<0.69	<2.8	<0.28	<0.56	<5.6	<25	<25	<2.4		<130	ND (5.0)
1,2,4-Trichlorobenzene	5	<3.7	<1.5	<0.15	<2.0	<0.20	<0.41	<4.1	<25	<25	<2.2		<130	ND (5.0)
1,1,1-Trichloroethane	5	<5.9	<2.4	<0.24	<2.4	<0.24	<0.47	<4.7	<5.0	<5.0	<2.5		<25	ND (5.4)
1,1,2-Trichloroethane	1	<5.8	<2.3	<0.23	<2.9	<0.29	<0.57	<5.7	<5.0	<5.0	<2.1		<25	ND (5.3)
Trichloroethene	5	<5.3	<2.1	<0.21	<2.2	<0.22	<0.43	<4.3	<5.0	<5.0	<5.0		<25	ND (5.3)
Trichlorofluoromethane	5	<8.8	<3.5	<0.35	<2.7	<0.27	<0.53	<5.3	<25	<25	<3.3		<130	ND (4.0)
Vinyl chloride	2	<6.7	<2.7	<0.27	<2.1	<0.21	<0.41	<4.1	<5.0	<5.0	<4.1		<25	ND (5.2) b
m,p-Xylene	NS	415	7.5 J	736	1320	345	370	420	668	534	388		565	531
o-Xylene	NS	385	4.4 J	668	1310	233	338	398	618	478	354		509	**521**
Xylene total	5	**799**	**11.9**	**1400**	**2630**	**578**	**708**	**817**	**1290**	**1010**	**742**		**1070**	**1050**

Notes:
NS = No Standard
Qualifiers:
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J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-11D												
Date Sampled		JA86145-1 9/14/2011 Post Treatment	JA99361-2 2/14/2012	JB5986-2 5/8/2012	JB14495-3 8/27/2012	JB24251-2 12/18/2012	JB31021-3 3/11/2013	JB39020-3 6/6/2013	JB46946-3 9/10/2013	JB55981-3 12/18/2013	JB62825-2 3/24/2014	NOT SAMPLED	JB77273-12 9/23/2014	JD54013-6 10/20/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
GC/MS Volatiles ug/L SW846 8260B														
Acetone	50	**85.9** J	<150	<100	<66	<130	<33	<160	<100	<100	<33		<500	ND (31)
Benzene	1	**213**	**306**	**241**	**170**	**152**	**144**	**161**	**157**	**154**	**122**		**145**	**1100**
Bromochloromethane	NS	<4.0	<7.9	<7.9	<6.0	<12	<3.0	<15	<50	<50	<4.2		<250	ND (4.8)
Bromodichloromethane	50	<2.3	<4.6	<4.6	<4.1	<8.3	<2.1	<10	<10	<10	<2.1		<50	ND (4.5)
Bromoform	50	<2.4	<4.9	<4.9	<4.3	<8.6	<2.1	<11	<40	<40	<3.0		<200	ND (6.3)
Bromomethane	5	<3.1	<6.3	<6.3	<4.4	<8.8	<2.2	<11	<20	<20	<5.6		<100	ND (16)
2-Butanone MEK	50	<29	<58	<58	<47	<94	<24	<120	<100	<100	<32		<500	ND (27)
Carbon disulfide	60	<1.8	<3.6	<3.6	<3.8	<7.6	<1.9	<9.5	<20	<20	<1.8		<100	6.9 J
Carbon tetrachloride	5	<1.9	<3.9	<3.9	<4.3	<8.7	<2.2	<11	<10	<10	<2.3		<50	ND (5.5)
Chlorobenzene	5	<2.2	<4.5	<4.5	<4.6	<9.2	<2.3	<11	<10	<10	<3.5		<50	ND (5.6)
Chloroethane	5	<3.7	<7.3	<7.3	<5.2	<10	<2.6	<13	<10	<10	<3.9		<50	ND (7.3)
Chloroform	7	<2.1	<4.1	<4.1	<4.1	<8.1	<2.0	<10	<10	<10	<2.5		<50	ND (5.0)
Chloromethane	NS	<2.2	<4.4	<4.4	<4.1	<8.2	<2.1	<10	<10	<10	<3.6		<50	ND (7.6)
Cyclohexane	NS	7.2 J	9.1 J	7.5 J	<7.1	<14	7.0 J	<18	8.1 J	8.5 J	6.5 J		<250	10.6 J
1,2-Dibromo-3-chloropropane	0.04	<13	<25	<25	<11	<22	<5.4	<27	<100	<100	<13		<500	ND (5.3)
Dibromochloromethane	50	<2.0	<4.1	<4.1	<2.7	<5.4	<1.4	<6.8	<10	<10	<1.9		<50	ND (5.6)
1,2-Dibromoethane	NS	<2.1	<4.2	<4.2	<3.9	<7.8	<2.0	<9.8	<20	<20	<1.6		<100	ND (4.8)
1,2-Dichlorobenzene	3	<1.8	<3.7	<3.7	<4.3	<8.7	<2.2	<11	<10	<10	<2.0		<50	ND (5.3)
1,3-Dichlorobenzene	3	<2.9	<5.7	<5.7	<4.5	<9.0	<2.2	<11	<10	<10	<3.1		<50	ND (5.4)
1,4-Dichlorobenzene	3	<2.6	<5.1	<5.1	<6.0	<12	<3.0	<15	<10	<10	<3.0		<50	ND (5.1)
Dichlorodifluoromethane	NS	<3.1	<6.2	<6.2	<5.4	<11	<2.7	<13	<50	<50	<6.3		<250	ND (5.6)
1,1-Dichloroethane	5	<1.9	<3.8	<3.8	<2.1	<4.2	<1.1	<5.3	<10	<10	<2.6		<50	ND (5.7)
1,2-Dichloroethane	0.6	<1.8	<3.6	<3.6	<5.2	<10	<2.6	<13	<10	<10	<2.2		<50	ND (6.0)
1,1-Dichloroethene	5	<2.8	<5.6	<5.6	<3.8	<7.7	<1.9	<9.6	<10	<10	<3.4		<50	ND (5.9)
cis-1,2-Dichloroethene	5	<2.2	<4.3	<4.3	<3.8	<7.5	<1.9	<9.4	<10	<10	<2.4		<50	ND (5.1)
trans-1,2-Dichloroethene	5	<3.1	<6.3	<6.3	<4.2	<8.4	<2.1	<11	<10	<10	<3.8		<50	ND (5.4)
1,2-Dichloropropane	1	<2.2	<4.3	<4.3	<9.7	<19	<4.8	<24	<10	<10	<2.8		<50	ND (5.1)
cis-1,3-Dichloropropene	NS	<2.2	<4.3	<4.3	<4.1	<8.3	<2.1	<10	<10	<10	<1.5		<50	ND (4.7)
trans-1,3-Dichloropropene	NS	<1.9	<3.7	<3.7	<3.8	<7.6	<1.9	<9.5	<10	<10	<2.1		<50	ND (4.3)
1,4-Dioxane	NS	<720	<1400	<1400	<1500	<3000	<750	<3700	<1300	<1300	<730		<6300	ND (190) a
Ethylbenzene	5	**870**	**860**	**712**	**697**	**593**	**684**	**830**	**790**	**750**	**685**		**695**	**1120**
Freon 113	NS	<4.9	<9.8	<9.8	<11	<21	<5.3	<27	<50	<50	<7.7		<250	ND (5.8)
2-Hexanone	50	<30	<61	<61	<23	<45	<11	<57	<50	<50	<17		<250	ND (20) a
Isopropylbenzene	5	**123**	**126**	**102**	**97.3**	**84.3**	**108**	**136**	**121**	**124**	**107**		**105**	**88.8**
Methyl Acetate	NS	<29	<57	<57	<23	<46	<12	<58	<50	<50	<15		<250	ND (8.0) a
Methylcyclohexane	NS	5.3 J	9.5 J	7.9 J	<5.2	<10	9.0 J	<13	11.4 J	13.7 J	10.8 J		11.1 J	11.4 J
Methyl Tert Butyl Ether	10	**26.1**	**30.1**	**29.0**	**38.1**	**32.0** J	**23.2**	**21.5** J	**23.6**	**26.1**	**17.1**		**16.8** J	ND (5.1)
4-Methyl-2-pentanoneMIBK	NS	<12	<24	<24	<17	<33	<8.3	<41	<50	<50	<15		<250	ND (19) a
Methylene chloride	5	<2.0	<4.0	<4.0	<14	<28	<7.0	<35	<20	<20	<8.6		<100	ND (10)
Styrene	NS	<2.3	<4.6	<4.6	<4.3	<8.6	<2.1	<11	<50	<50	<3.0		<250	ND (4.9)
1,1,2,2-Tetrachloroethane	5	<2.0	<4.0	<4.0	<4.3	<8.6	<2.1	<11	<10	<10	<2.0		<50	ND (6.5)
Tetrachloroethene	5	<3.2	<6.4	<6.4	<5.6	<11	<2.8	<14	<10	<10	<2.5		<50	ND (5.6)
Toluene	5	**71.5**	**188**	**159**	**73.9**	**39.0** J	**38.4**	**46.8** J	**41.8**	**39.9**	**36.7**		**38.2** J	**92.1**
1,2,3-Trichlorobenzene	NS	<6.9	<14	<14	<5.6	<11	<2.8	<14	<50	<50	<2.4		<250	ND (5.0)
1,2,4-Trichlorobenzene	5	<1.5	<3.0	<3.0	<4.1	<8.1	<2.0	<10	<50	<50	<2.2		<250	ND (5.0)
1,1,1-Trichloroethane	5	<2.4	<4.7	<4.7	<4.7	<9.4	<2.4	<12	<10	<10	<2.5		<50	ND (5.4)
1,1,2-Trichloroethane	1	<2.3	<4.6	<4.6	<5.7	<11	<2.9	<14	<10	<10	<2.1		<50	ND (5.3)
Trichloroethene	5	<2.1	<4.2	<4.2	<4.3	<8.6	<2.2	<11	<10	<10	<5.0		<50	ND (5.3)
Trichlorofluoromethane	5	<3.5	<7.0	<7.0	<5.3	<11	<2.7	<13	<50	<50	<3.3		<250	ND (4.0)
Vinyl chloride	2	<2.7	<5.3	<5.3	<4.1	<8.3	<2.1	<10	<10	<10	<4.1		<50	ND (5.2)
m,p-Xylene	NS	682	780	631	552	464	549	692	636	607	563		505	1050
o-Xylene	NS	471	453	372	355	267	323	383	363	350	320		290	**562**
Xylene total	5	**1150**	**1230**	**1000**	**907**	**731**	**872**	**1080**	**999**	**957**	**882**		**795**	**1610**

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-12D												
Lab Sample ID	**Class GA**	**JA86145-4**	**JA99361-3**	**JB5986-3**	**JB14495-4**	**JB24251-13**	**JB31021-4**	**JB39234-2**	**JB47100-2**	**JB56101-2**	**JB62930-3**	**NOT SAMPLED**	**JB77273-2**	**NOT SAMPLED**
Date Sampled	**Ambient Water Quality Standards and Guidance Values**	**9/14/2011 Post Treatment** Result Q	**2/14/2012** Result Q	**5/8/2012** Result Q	**8/27/2012** Result Q	**12/18/2012** Result Q	**3/11/2013** Result Q	**6/10/2013** Result Q	**9/11/2013** Result Q	**12/19/2013** Result Q	**3/25/2014** Result Q		**9/22/2014** Result Q	
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<190	<38	<5.0	13.8 J	6.7 J	<6.6	36.2	<100	<10	<3.3		<10	
Benzene	1	**338**	**147**	**187**	**317**	**289**	**191**	**244**	**258**	**246**	**81.2**		**332**	
Bromochloromethane	NS	<9.9	<2.0	<0.40	<0.60	<0.60	<0.60	<0.60	<50	<5.0	<0.42		<5.0	
Bromodichloromethane	50	<5.7	<1.1	<0.23	<0.41	<0.41	<0.41	<0.41	<10	<1.0	<0.21		<1.0	
Bromoform	50	<6.1	<1.2	<0.24	<0.43	<0.43	<0.43	<0.43	<40	<4.0	<0.30		<4.0	
Bromomethane	5	<7.9	<1.6	<0.31	<0.44	<0.44	<0.44	<0.44	<20	<2.0	<0.56		<2.0	
2-Butanone (MEK	50	<73	<15	<2.9	<4.7	<4.7	<4.7	<4.7	<100	<10	<3.2		<10	
Carbon disulfide	60	<4.5	<0.89	<0.18	<0.38	<0.38	<0.38	<0.38	<20	0.62 J	0.26 J		<2.0	
Carbon tetrachloride	5	<4.9	<0.97	<0.19	<0.43	<0.43	<0.43	<0.43	<10	<1.0	<0.23		<1.0	
Chlorobenzene	5	<5.6	**8.3**	<0.22	<0.46	<0.46	<0.46	<0.46	<10	<1.0	<0.35		0.47 J	
Chloroethane	5	<9.2	<1.8	<0.37	<0.52	<0.52	<0.52	<0.52	<10	<1.0	<0.39		<1.0	
Chloroform	7	<5.2	<1.0	<0.21	<0.41	<0.41	<0.41	<0.41	<10	<1.0	<0.25		<1.0	
Chloromethane	NS	<5.5	<1.1	<0.22	<0.41	<0.41	<0.41	<0.41	<10	<1.0	<0.36		<1.0	
Cyclohexane	NS	<7.2	2.1 J	3.3 J	4.6 J	3.8 J	4.7 J	4.2 J	4.8 J	4.2 J	1.7 J		4.0 J	
1,2-Dibromo-3-chloropropane	0.04	<32	<6.3	<1.3	<1.1	<1.1	<1.1	<1.1	<100	<10	<1.3		<10	
Dibromochloromethane	50	<5.1	<1.0	<0.20	<0.27	<0.27	<0.27	<0.27	<10	<1.0	<0.19		<1.0	
1,2-Dibromoethane	NS	<5.2	<1.0	<0.21	<0.39	<0.39	<0.39	<0.39	<20	<2.0	<0.16		<2.0	
1,2-Dichlorobenzene	3	<4.6	<0.92	<0.18	<0.43	<0.43	<0.43	<0.43	<10	<1.0	<0.20		<1.0	
1,3-Dichlorobenzene	3	<7.2	<1.4	<0.29	<0.45	<0.45	<0.45	<0.45	<10	<1.0	<0.31		<1.0	
1,4-Dichlorobenzene	3	<6.4	<1.3	<0.26	<0.60	<0.60	<0.60	<0.60	<10	<1.0	<0.30		<1.0	
Dichlorodifluoromethane	NS	<7.8	<1.6	<0.31	<0.54	<0.54	<0.54	<0.54	<50	<5.0	<0.63		<5.0	
1,1-Dichloroethane	5	<4.8	<0.96	<0.19	<0.21	<0.21	<0.21	<0.21	<10	<1.0	<0.26		<1.0	
1,2-Dichloroethane	0.6	<4.5	<0.90	<0.18	<0.52	<0.52	<0.52	<0.52	<10	<1.0	<0.22		<1.0	
1,1-Dichloroethene	5	<7.0	<1.4	<0.28	<0.38	<0.38	<0.38	<0.38	<10	<1.0	<0.34		<1.0	
cis-1,2-Dichloroethene	5	<5.4	<1.1	<0.22	<0.38	<0.38	<0.38	<0.38	<10	<1.0	<0.24		<1.0	
trans-1,2-Dichloroethene	5	<7.8	<1.6	<0.31	<0.42	<0.42	<0.42	<0.42	<10	0.61 J	<0.38		<1.0	
1,2-Dichloropropane	1	<5.4	<1.1	<0.22	<0.97	<0.97	<0.97	<0.97	<10	<1.0	<0.28		<1.0	
cis-1,3-Dichloropropene	NS	<5.4	<1.1	<0.22	<0.41	<0.41	<0.41	<0.41	<10	<1.0	<0.15		<1.0	
trans-1,3-Dichloropropene	NS	<4.6	<0.93	<0.19	<0.38	<0.38	<0.38	<0.38	<10	<1.0	<0.21		<1.0	
1,4-Dioxane	NS	<1800	<360	<72	<150	<150	<150	<150	<1300	<130	<73		<130	
Ethylbenzene	5	**1380**	**162**	**475**	<0.46	<0.46	<0.46	**688**	<10	**42.4**	0.66 J		**849**	
Freon 113	NS	<12	<2.5	<0.49	<1.1	<1.1	<1.1	<1.1	<50	<5.0	<0.77		<5.0	
2-Hexanone	50	<76	<15	<3.0	<2.3	<2.3	<2.3	<2.3	<50	<5.0	<1.7		<5.0	
Isopropylbenzene	5	**90.3**	**35.7**	**62.0**	**62.6**	**29.2**	**36.5**	**82.3**	**65.8**	**61.5**	<0.22		**83.0**	
Methyl Acetate	NS	<72	<14	<2.9	<2.3	<2.3	<2.3	<2.3	<50	<5.0	<1.5		<5.0	
Methylcyclohexane	NS	<4.6	2.5 J	3.2 J	4.1 J	3.4 J	5.0 J	5.3 J	4.2 J	4.3 J	1.9 J		4.2 J	
Methyl Tert Butyl Ether	10	9.4 J	7.3	8.9	**11.7**	7.6	7.9	7.6	9.7 J	9.8	6.7		8.4	
4-Methyl-2-pentanone(MIBK	NS	<30	<6.1	<1.2	<1.7	<1.7	<1.7	<1.7	<50	<5.0	<1.5		<5.0	
Methylene chloride	5	<5.1	<1.0	<0.20	<1.4	<1.4	<1.4	<1.4	<20	<2.0	<0.86		<2.0	
Styrene	NS	<5.7	<1.1	<0.23	<0.43	<0.43	<0.43	<0.43	<50	<5.0	<0.30		<5.0	
1,1,2,2-Tetrachloroethane	5	<5.0	<1.0	<0.20	<0.43	<0.43	<0.43	<0.43	<10	<1.0	<0.20		<1.0	
Tetrachloroethene	5	<8.0	<1.6	<0.32	<0.56	<0.56	<0.56	<0.56	<10	<1.0	<0.25		<1.0	
Toluene	5	**446**	**181**	**194**	**100**	**59.1**	**73.3**	**309**	**68.4**	**99.9**	**42.6**		**54.2**	
1,2,3-Trichlorobenzene	NS	<17	<3.4	<0.69	<0.56	<0.56	<0.56	<0.56	<50	<5.0	<0.24		<5.0	
1,2,4-Trichlorobenzene	5	<3.7	<0.75	<0.15	<0.41	<0.41	<0.41	<0.41	<50	<5.0	<0.22		<5.0	
1,1,1-Trichloroethane	5	<5.9	<1.2	<0.24	<0.47	<0.47	<0.47	<0.47	<10	<1.0	<0.25		<1.0	
1,1,2-Trichloroethane	1	<5.8	<1.2	<0.23	<0.57	<0.57	<0.57	<0.57	<10	<1.0	<0.21		<1.0	
Trichloroethene	5	<5.3	<1.1	<0.21	<0.43	<0.43	<0.43	<0.43	<10	<1.0	<0.50		<1.0	
Trichlorofluoromethane	5	<8.8	<1.8	<0.35	<0.53	<0.53	<0.53	<0.53	<50	<5.0	<0.33		<5.0	
Vinyl chloride	2	<6.7	<1.3	<0.27	<0.41	<0.41	<0.41	<0.41	<10	<1.0	<0.41		<1.0	
m,p-Xylene	NS	916	367	316	483	467	403	475	641	123	54.3		22.5	
o-Xylene	NS	697	349	315	407	344	354	406	545	146	88.3		38.0	
Xylene (total	5	**1610**	**716**	**631**	**890**	**811**	**757**	**881**	**1190**	**269**	**143**		**60.5**	

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-13S (Treatment Zone Well												
Lab Sample ID	**NYSDEC TOGS 1.1.1**	**JA86022-1**	**JA99361-4**	**JB5986-4**	**JB14495-5**	**JB24251-3**	**JB31021-5**	**JB39234-3**	**JB47100-3**	**JB55981-4**	**JB62825-3**	**NOT SAMPLED**	**JB77273-10**	**NOT SAMPLED**
Date Sampled	**Class GA Ambient Water Quality Standards and Guidance Values**	**9/13/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**		**9/23/2014**	
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<76	19.2	49.3	**95.9** J	42.5 J	<33	5.7 J	9.9 J	38 J	<33		<20	
Benzene	1	**6.8** J	**4.5**	**8.1**	**12.2**	**7.3** J	**7.4** J	0.31 J	**4.3**	**6.1**	**5.1** J		**8.9**	
Bromochloromethane	NS	<4.0	<0.40	<0.40	<3.0	<3.0	<3.0	<0.30	<5.0	<25	<4.2		<10	
Bromodichloromethane	50	<2.3	<0.23	<0.23	<2.1	<2.1	<2.1	<0.21	<1.0	<5.0	<2.1		<2.0	
Bromoform	50	<2.4	<0.24	<0.24	<2.1	<2.1	<2.1	<0.21	<4.0	<20	<3.0		<8.0	
Bromomethane	5	<3.1	<0.31	<0.31	<2.2	<2.2	<2.2	<0.22	<2.0	<10	<5.6		<4.0	
2-Butanone (MEK	50	<29	<2.9	5.3 J	<24	<24	<24	<2.4	<10	<50	<32		<20	
Carbon disulfide	60	<1.8	2.7	1.9 J	7.8 J	4.4 J	<1.9	<0.19	1.4 J	5.4 J	<1.8		1.7 J	
Carbon tetrachloride	5	<1.9	<0.19	<0.19	<2.2	<2.2	<2.2	<0.22	<1.0	<5.0	<2.3		<2.0	
Chlorobenzene	5	<2.2	<0.22	<0.22	<2.3	<2.3	<2.3	<0.23	<1.0	<5.0	<3.5		<2.0	
Chloroethane	5	<3.7	<0.37	<0.37	<2.6	<2.6	<2.6	<0.26	<1.0	<5.0	<3.9		<2.0	
Chloroform	7	<2.1	<0.21	<0.21	<2.0	<2.0	<2.0	<0.20	<1.0	<5.0	<2.5		<2.0	
Chloromethane	NS	<2.2	<0.22	<0.22	<2.1	<2.1	<2.1	<0.21	<1.0	<5.0	<3.6		<2.0	
Cyclohexane	NS	<2.9	<0.29	<0.29	<3.5	<3.5	<3.5	<0.35	<5.0	<25	<1.8		<10	
1,2-Dibromo-3-chloropropane	0.04	<13	<1.3	<1.3	<5.4	<5.4	<5.4	<0.54	<10	<50	<13		<20	
Dibromochloromethane	50	<2.0	<0.20	<0.20	<1.4	<1.4	<1.4	<0.14	<1.0	<5.0	<1.9		<2.0	
1,2-Dibromoethane	NS	<2.1	<0.21	<0.21	<2.0	<2.0	<2.0	<0.20	<2.0	<10	<1.6		<4.0	
1,2-Dichlorobenzene	3	<1.8	<0.18	<0.18	<2.2	<2.2	<2.2	<0.22	<1.0	<5.0	<2.0		<2.0	
1,3-Dichlorobenzene	3	<2.9	<0.29	<0.29	<2.2	<2.2	<2.2	<0.22	<1.0	<5.0	<3.1		<2.0	
1,4-Dichlorobenzene	3	<2.6	<0.26	<0.26	<3.0	<3.0	<3.0	<0.30	<1.0	<5.0	<3.0		<2.0	
Dichlorodifluoromethane	NS	<3.1	<0.31	<0.31	<2.7	<2.7	<2.7	<0.27	<5.0	<25	<6.3		<10	
1,1-Dichloroethane	5	<1.9	<0.19	<0.19	<1.1	<1.1	<1.1	<0.11	<1.0	<5.0	<2.6		<2.0	
1,2-Dichloroethane	0.6	<1.8	<0.18	<0.18	<2.6	<2.6	<2.6	<0.26	<1.0	<5.0	<2.2		<2.0	
1,1-Dichloroethene	5	<2.8	<0.28	<0.28	<1.9	<1.9	<1.9	<0.19	<1.0	<5.0	<3.4		<2.0	
cis-1,2-Dichloroethene	5	<2.2	<0.22	<0.22	<1.9	<1.9	<1.9	<0.19	<1.0	<5.0	<2.4		<2.0	
trans-1,2-Dichloroethene	5	<3.1	<0.31	<0.31	<2.1	<2.1	<2.1	<0.21	<1.0	<5.0	<3.8		<2.0	
1,2-Dichloropropane	1	<2.2	<0.22	<0.22	<4.8	<4.8	<4.8	<0.48	<1.0	<5.0	<2.8		<2.0	
cis-1,3-Dichloropropene	NS	<2.2	<0.22	<0.22	<2.1	<2.1	<2.1	<0.21	<1.0	<5.0	<1.5		<2.0	
trans-1,3-Dichloropropene	NS	<1.9	<0.19	<0.19	<1.9	<1.9	<1.9	<0.19	<1.0	<5.0	<2.1		<2.0	
1,4-Dioxane	NS	<720	<72	99.9 J	<750	<750	<750	<75	<130	<630	<730		<250	
Ethylbenzene	5	**52.7**	**30.2**	**74.3**	**102**	**77.8**	**79.4**	3.1	**40.6**	**76.9**	**53.8**		**58.5**	
Freon 113	NS	<4.9	<0.49	<0.49	<5.3	<5.3	<5.3	<0.53	<5.0	<25	<7.7		<10	
2-Hexanone	50	<30	<3.0	<3.0	<11	<11	<11	<1.1	<5.0	<25	<17		<10	
Isopropylbenzene	5	**28.9**	**22.3**	**37.7**	**33.0**	**32.0**	**24.9**	4.9	**26.8**	**29.7**	**21.1**		**22.0**	
Methyl Acetate	NS	<29	<2.9	<2.9	<12	<12	<12	<1.2	<5.0	<25	<15		<10	
Methylcyclohexane	NS	<1.8	0.64 J	0.73 J	<2.6	<2.6	3.3 J	<0.26	0.43 J	<25	<1.5		<10	
Methyl Tert Butyl Ether	10	<1.8	<0.18	<0.18	<1.6	<1.6	<1.6	<0.16	<1.0	<5.0	<2.9		<2.0	
4-Methyl-2-pentanone(MIBK	NS	<12	<1.2	<1.2	<8.3	<8.3	<8.3	<0.83	<5.0	<25	<15		<10	
Methylene chloride	5	<2.0	<0.20	<0.20	<7.0	<7.0	<7.0	<0.70	<2.0	<10	<8.6		<4.0	
Styrene	NS	<2.3	<0.23	<0.23	<2.1	<2.1	<2.1	<0.21	<5.0	<25	<3.0		<10	
1,1,2,2-Tetrachloroethane	5	<2.0	<0.20	<0.20	<2.1	<2.1	<2.1	<0.21	<1.0	<5.0	<2.0		<2.0	
Tetrachloroethene	5	<3.2	<0.32	<0.32	<2.8	<2.8	<2.8	<0.28	<1.0	<5.0	<2.5		<2.0	
Toluene	5	**6.4** J	3.2	**8.4**	**14.6**	**8.0** J	**8.7** J	<0.23	2.9	**8.4**	**6.7** J		**8.7**	
1,2,3-Trichlorobenzene	NS	<6.9	<0.69	<0.69	<2.8	<2.8	<2.8	<0.28	<5.0	<25	<2.4		<10	
1,2,4-Trichlorobenzene	5	<1.5	<0.15	<0.15	<2.0	<2.0	<2.0	<0.20	<5.0	<25	<2.2		<10	
1,1,1-Trichloroethane	5	<2.4	<0.24	<0.24	<2.4	<2.4	<2.4	<0.24	<1.0	<5.0	<2.5		<2.0	
1,1,2-Trichloroethane	1	<2.3	<0.23	<0.23	<2.9	<2.9	<2.9	<0.29	<1.0	<5.0	<2.1		<2.0	
Trichloroethene	5	<2.1	<0.21	<0.21	<2.2	<2.2	<2.2	<0.22	<1.0	<5.0	<5.0		<2.0	
Trichlorofluoromethane	5	<3.5	<0.35	<0.35	<2.7	<2.7	<2.7	<0.27	<5.0	<25	<3.3		<10	
Vinyl chloride	2	<2.7	<0.27	<0.27	<2.1	<2.1	<2.1	<0.21	<1.0	<5.0	<4.1		<2.0	
m,p-Xylene	NS	31.4	17.4	48.7	77.3	36.1	68.6	0.94 J	10.8	49.6	32.2		25.8	
o-Xylene	NS	32.4	18.2	48.8	78.8	37.7	73.5	1.2	18.6	54.8	35.2		38.3	
Xylene (total	5	**63.9**	**35.6**	**97.5**	**156**	**73.8**	**142**	2.2	**29.3**	**104**	**67.5**		**64.1**	

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-14S (Treatment Zone Well JA86022-2 9/13/2011 Post Treatment Result Q	JA99488-3 2/15/2012 Result Q	JB6090-1 5/9/2012 Result Q	JB14495-6 8/27/2012 Result Q	JB24251-4 12/18/2012 Result Q	JB31021-6 3/11/2013 Result Q	JB39020-4 6/6/2013 Result Q	JB46946-4 9/10/2013 Result Q	JB55981-5 12/18/2013 Result Q	JB62825-4 3/24/2014 Result Q	JB62825-4 6/26/2014 Result Q	JB77273-19 9/24/2014 Result Q	NOT SAMPLED
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<380	<380	173	542	211 J	<82	225 J	196	277	183 J	231	<400	
Benzene	1	1330	1670	1200	1830	1340	1240	1550	1490	1070	1250	1370	1110	
Bromochloromethane	NS	<20	<20	<4.0	<7.5	<15	<7.5	<15	<50	<50	<10	< 8.3	<200	
Bromodichloromethane	50	<11	<11	<2.3	<5.2	<10	<5.2	<10	<10	<10	<5.3	< 4.2	<40	
Bromoform	50	<12	<12	<2.4	<5.4	<11	<5.4	<11	<40	<40	<7.5	< 6.0	<160	
Bromomethane	5	<16	<16	<3.1	<5.5	<11	<5.5	<11	<20	<20	<14	< 11	<80	
2-Butanone (MEK	50	<150	<150	<29	<59	<120	<59	<120	<100	<100	<80	< 64	<400	
Carbon disulfide	60	<8.9	<8.9	<1.8	<4.7	<9.5	<4.7	<9.5	<20	<20	<4.6	< 3.6	<80	
Carbon tetrachloride	5	<9.7	<9.7	<1.9	<5.4	<11	<5.4	<11	<10	<10	<5.7	< 4.5	<40	
Chlorobenzene	5	<11	<11	<2.2	<5.7	<11	<5.7	<11	<10	<10	<8.7	< 6.9	<40	
Chloroethane	5	<18	<18	<3.7	<6.6	<13	<6.6	<13	<10	<10	<9.7	< 7.8	<40	
Chloroform	7	<10	<10	<2.1	<5.1	<10	<5.1	<10	<10	<10	<6.1	< 4.9	<40	
Chloromethane	NS	<11	<11	<2.2	<5.2	<10	<5.2	<10	<10	<10	<9.1	< 7.3	<40	
Cyclohexane	NS	<14	<14	<2.9	<8.9	<18	<8.9	<18	<50	<50	<4.5	< 3.6	<200	
1,2-Dibromo-3-chloropropane	0.04	<63	<63	<13	<13	<27	<13	<27	<100	<100	<32	< 25	<400	
Dibromochloromethane	50	<10	<10	<2.0	<3.4	<6.8	<3.4	<6.8	<10	<10	<4.8	< 3.8	<40	
1,2-Dibromoethane	NS	<10	<10	<2.1	<4.9	<9.8	<4.9	<9.8	<20	<20	<4.0	< 3.2	<80	
1,2-Dichlorobenzene	3	<9.2	<9.2	<1.8	<5.4	<11	<5.4	<11	<10	<10	<5.1	< 4.1	<40	
1,3-Dichlorobenzene	3	<14	<14	<2.9	<5.6	<11	<5.6	<11	<10	<10	<7.9	< 6.3	<40	
1,4-Dichlorobenzene	3	<13	<13	<2.6	<7.5	<15	<7.5	<15	<10	<10	<7.5	< 6.0	<40	
Dichlorodifluoromethane	NS	<16	<16	<3.1	<6.7	<13	<6.7	<13	<50	<50	<16	< 13	<200	
1,1-Dichloroethane	5	<9.6	<9.6	<1.9	<2.7	<5.3	<2.7	<5.3	<10	<10	<6.5	< 5.2	<40	
1,2-Dichloroethane	0.6	<9.0	<9.0	<1.8	<6.5	<13	<6.5	<13	<10	<10	<5.5	< 4.4	<40	
1,1-Dichloroethene	5	<14	<14	<2.8	<4.8	<9.6	<4.8	<9.6	<10	<10	<8.6	< 6.9	<40	
cis-1,2-Dichloroethene	5	<11	<11	<2.2	<4.7	<9.4	<4.7	<9.4	<10	<10	<6.0	< 4.8	<40	
trans-1,2-Dichloroethene	5	<16	<16	<3.1	<5.3	<11	<5.3	<11	<10	<10	<9.5	< 7.6	<40	
1,2-Dichloropropane	1	<11	<11	<2.2	<12	<24	<12	<24	<10	<10	<7.0	< 5.6	<40	
cis-1,3-Dichloropropene	NS	<11	<11	<2.2	<5.2	<10	<5.2	<10	<10	<10	<3.8	< 3.0	<40	
trans-1,3-Dichloropropene	NS	<9.3	<9.3	<1.9	<4.7	<9.5	<4.7	<9.5	<10	<10	<5.2	< 4.1	<40	
1,4-Dioxane	NS	<3600	<3600	<720	<1900	<3700	<1900	<3700	<1300	<1300	<1800	< 1500	<5000	
Ethylbenzene	5	1950	2300	1910	1610	2150	1980	1960	1970	1930	725	1790	1530	
Freon 113	NS	<25	<25	<4.9	<13	<27	<13	<27	<50	<50	<19	< 15	<200	
2-Hexanone	50	<150	<150	<30	<28	<57	<28	<57	<50	<50	<43	< 34	<200	
Isopropylbenzene	5	96.8 J	132	103	126	101	103	118	104	99.7	97.3	93.9	80.8	
Methyl Acetate	NS	<140	<140	<29	<29	<58	<29	<58	<50	<50	<38	< 30	<200	
Methylcyclohexane	NS	<9.2	<9.2	<1.8	<6.6	<13	<6.6	<13	<50	2.1 J	<3.9	< 3.1	<200	
Methyl Tert Butyl Ether	10	<9.2	<9.2	<1.8	<4.1	<8.2	<4.1	<8.2	<10	<10	<7.1	< 5.7	<40	
4-Methyl-2-pentanone(MIBK	NS	<61	<61	<12	<21	<41	<21	<41	<50	<50	<37	< 30	<200	
Methylene chloride	5	<10	<10	<2.0	<18	<35	<18	<35	<20	<20	<22	< 17	<80	
Styrene	NS	<11	<11	<2.3	<5.4	<11	<5.4	<11	<50	<50	<7.6	< 6.0	<200	
1,1,2,2-Tetrachloroethane	5	<10	<10	<2.0	<5.4	<11	<5.4	<11	<10	<10	<4.9	< 3.9	<40	
Tetrachloroethene	5	<16	<16	<3.2	<7.0	<14	<7.0	<14	<10	<10	<6.3	< 5.0	<40	
Toluene	5	4540	5620	5680	4050	3220	3850	2570	2860	3410	2210	2440	1310	
1,2,3-Trichlorobenzene	NS	<34	<34	<6.9	<7.1	<14	<7.1	<14	<50	<50	<6.1	< 4.9	<200	
1,2,4-Trichlorobenzene	5	<7.5	<7.5	<1.5	<5.1	<10	<5.1	<10	<50	<50	<5.4	< 4.3	<200	
1,1,1-Trichloroethane	5	<12	<12	<2.4	<5.9	<12	<5.9	<12	<10	<10	<6.2	< 5.0	<40	
1,1,2-Trichloroethane	1	<12	<12	<2.3	<7.2	<14	<7.2	<14	<10	<10	<5.3	< 4.2	<40	
Trichloroethene	5	<11	<11	<2.1	<5.4	<11	<5.4	<11	<10	<10	<13	< 10	<40	
Trichlorofluoromethane	5	<18	<18	<3.5	<6.7	<13	<6.7	<13	<50	<50	<8.4	< 6.7	<200	
Vinyl chloride	2	<13	<13	<2.7	<5.2	<10	<5.2	<10	<10	<10	<10	< 8.3	<40	
m,p-Xylene	NS	6020	6590	6810	7100	6120	6090	5530	5940	5910	5010	4840	4290	
o-Xylene	NS	2620	2900	2870	3240	2650	2680	2550	2710	2550	2330	2260	2030	
Xylene (total	5	8640	9480	9680	10300	8770	8770	8080	8650	8460	7340	7100	6320	

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-15D JA86022-7 9/13/2011 Post Treatment Result Q	JA99361-5 2/14/2012 Result Q	JB5986-5 5/8/2012 Result Q	JB14495-7 8/27/2012 Result Q	JB24251-5 12/18/2012 Result Q	JB31021-7 3/11/2013 Result Q	JB39020-5 6/6/2013 Result Q	JB46946-5 9/10/2013 Result Q	JB55981-6 12/18/2013 Result Q	JB62825-5 3/24/2014 Result Q	JB62825-5 6/24/2014 Result Q	JB77273-20 9/24/2014 Result Q	JD54013-21 10/21/2022 Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	**60.6**	**100**	**51.9**	<33	45.7 J	<33	<66	<500	**70.5** J	<170	< 33	<1000	ND (61) b
Benzene	1	**41.5**	**63.9**	**42.7**	**89.9**	**33.4**	**51.1**	**65.0**	**90**	**97.8**	**129**	**168**	**133**	**4780**
Bromochloromethane	NS	<2.0	<2.0	<2.0	<3.0	<3.0	<3.0	<6.0	<250	<50	<21	< 4.2	<500	ND (9.6)
Bromodichloromethane	50	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<4.1	<50	<10	<11	< 2.1	<100	ND (9.0)
Bromoform	50	<1.2	<1.2	<1.2	<2.1	<2.1	<2.1	<4.3	<200	<40	<15	< 3.0	<400	ND (13)
Bromomethane	5	<1.6	<1.6	<1.6	<2.2	<2.2	<2.2	<4.4	<100	<20	<28	< 5.6	<200	ND (33) b
2-Butanone (MEK	50	<15	<15	<15	<24	<24	<24	<47	<500	<100	<160	< 32	<1000	ND (55)
Carbon disulfide	60	1.9 J	5.4 J	3.1 J	5.7 J	15.9 J	<1.9	<3.8	<100	<20	<9.1	2.1 J	<200	16.1 J
Carbon tetrachloride	5	<0.97	<0.97	<0.97	<2.2	<2.2	<2.2	<4.3	<50	<10	<11	< 2.3	<100	ND (11)
Chlorobenzene	5	<1.1	<1.1	<1.1	<2.3	<2.3	<2.3	<4.6	<50	<10	<17	< 3.5	<100	ND (11)
Chloroethane	5	<1.8	<1.8	<1.8	<2.6	<2.6	<2.6	<5.2	<50	<10	<19	< 3.9	<100	ND (15) b
Chloroform	7	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<4.1	<50	<10	<12	< 2.5	<100	ND (10)
Chloromethane	NS	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<4.1	<50	<10	<18	< 3.6	<100	ND (15)
Cyclohexane	NS	4.9 J	7.9 J	4.9 J	3.7 J	<3.5	<3.5	<7.1	<250	2.6 J	<9.0	3 J	<500	18.5 J
1,2-Dibromo-3-chloropropane	0.04	<6.3	<6.3	<6.3	<5.4	<5.4	<5.4	<11	<500	<100	<63	< 13	<1000	ND (11)
Dibromochloromethane	50	<1.0	<1.0	<1.0	<1.4	<1.4	<1.4	<2.7	<50	<10	<9.6	< 1.9	<100	ND (11)
1,2-Dibromoethane	NS	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<3.9	<100	<20	<8.0	< 1.6	<200	ND (9.5)
1,2-Dichlorobenzene	3	<0.92	<0.92	<0.92	<2.2	<2.2	<2.2	<4.3	<50	<10	<10	< 2.0	<100	ND (11)
1,3-Dichlorobenzene	3	<1.4	<1.4	<1.4	<2.2	<2.2	<2.2	<4.5	<50	<10	<16	< 3.1	<100	ND (11)
1,4-Dichlorobenzene	3	<1.3	<1.3	<1.3	<3.0	<3.0	<3.0	<6.0	<50	<10	<15	< 3.0	<100	ND (10)
Dichlorodifluoromethane	NS	<1.6	<1.6	<1.6	<2.7	<2.7	<2.7	<5.4	<250	<50	<32	< 6.3	<500	ND (11)
1,1-Dichloroethane	5	<0.96	<0.96	<0.96	<1.1	<1.1	<1.1	<2.1	<50	<10	<13	< 2.6	<100	ND (11)
1,2-Dichloroethane	0.6	<0.90	<0.90	<0.90	<2.6	<2.6	<2.6	<5.2	<50	<10	<11	< 2.2	<100	ND (12)
1,1-Dichloroethene	5	<1.4	<1.4	<1.4	<1.9	<1.9	<1.9	<3.8	<50	<10	<17	< 3.4	<100	ND (12)
cis-1,2-Dichloroethene	5	<1.1	<1.1	<1.1	<1.9	<1.9	<1.9	<3.8	<50	<10	<12	< 2.4	<100	ND (10)
trans-1,2-Dichloroethene	5	<1.6	<1.6	<1.6	<2.1	<2.1	<2.1	<4.2	<50	<10	<19	< 3.8	<100	ND (11)
1,2-Dichloropropane	1	<1.1	<1.1	<1.1	<4.8	<4.8	<4.8	<9.7	<50	<10	<14	< 2.8	<100	ND (10)
cis-1,3-Dichloropropene	NS	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<4.1	<50	<10	<7.6	< 1.5	<100	ND (9.4)
trans-1,3-Dichloropropene	NS	<0.93	<0.93	<0.93	<1.9	<1.9	<1.9	<3.8	<50	<10	<10	< 2.1	<100	ND (8.6)
1,4-Dioxane	NS	<360	<360	478 J	<750	<750	<750	<1500	<6300	<1300	<3600	< 730	<13000	ND (390)
Ethylbenzene	5	**410**	**545**	**326**	**360**	**222**	**109**	**181**	**267**	**227**	**348**	**335**	**394**	**1360**
Freon 113	NS	<2.5	<2.5	<2.5	<5.3	<5.3	<5.3	<11	<250	<50	<38	< 7.7	<500	ND (12)
2-Hexanone	50	<15	<15	<15	<11	<11	<11	<23	<250	<50	<85	< 17	<500	ND (41)
Isopropylbenzene	5	**39.5**	**75.2**	**68.9**	**50.2**	**47.1**	**34.3**	**32.6** J	**42.2** J	**39.8**	**45.2** J	**24.9**	**43.2** J	**61.7**
Methyl Acetate	NS	<14	<14	<14	<12	<12	<12	<23	<250	<50	<75	< 15	<500	ND (16)
Methylcyclohexane	NS	5.6 J	11.7 J	13.3 J	9.0 J	11.5 J	9.8 J	5.7 J	<250	12.3 J	<7.7	3.2 J	<500	24.1 J
Methyl Tert Butyl Ether	10	<0.92	<0.92	<0.92	<1.6	<1.6	<1.6	<3.3	<50	<10	<14	< 2.9	<100	ND (10)
4-Methyl-2-pentanone(MIBK	NS	<6.1	<6.1	<6.1	<8.3	<8.3	<8.3	<17	<250	<50	<74	< 15	<500	ND (37)
Methylene chloride	5	<1.0	<1.0	<1.0	<7.0	<7.0	<7.0	<14	<100	<20	<43	< 8.6	<200	ND (20)
Styrene	NS	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<4.3	<250	<50	<15	< 3.0	<500	ND (9.7)
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<2.1	<2.1	<2.1	<4.3	<50	<10	<9.8	< 2.0	<100	ND (13)
Tetrachloroethene	5	<1.6	<1.6	<1.6	<2.8	<2.8	<2.8	<5.6	<50	<10	<13	< 2.5	<100	ND (11)
Toluene	5	4.1 J	4.2 J	3.4 J	4.1 J	**9.7** J	3.2 J	<4.5	<50	**5.1** J	<22	**9.8** J	<100	**780**
1,2,3-Trichlorobenzene	NS	<3.4	<3.4	<3.4	<2.8	<2.8	<2.8	<5.6	<250	<50	<12	< 2.4	<500	ND (10)
1,2,4-Trichlorobenzene	5	<0.75	<0.75	<0.75	<2.0	<2.0	<2.0	<4.1	<250	<50	<11	< 2.2	<500	ND (10)
1,1,1-Trichloroethane	5	<1.2	<1.2	<1.2	<2.4	<2.4	<2.4	<4.7	<50	<10	<12	< 2.5	<100	ND (11)
1,1,2-Trichloroethane	1	<1.2	<1.2	<1.2	<2.9	<2.9	<2.9	<5.7	<50	<10	<11	< 2.1	<100	ND (11)
Trichloroethene	5	<1.1	<1.1	<1.1	<2.2	<2.2	<2.2	<4.3	<50	<10	<25	< 5.0	<100	ND (11)
Trichlorofluoromethane	5	<1.8	<1.8	<1.8	<2.7	<2.7	<2.7	<5.3	<250	<50	<17	< 3.3	<500	ND (8.0)
Vinyl chloride	2	<1.3	<1.3	<1.3	<2.1	<2.1	<2.1	<4.1	<50	<10	<21	< 4.1	<100	ND (10)
m,p-Xylene	NS	237	331	175	156	84.8	34.6	92.3	125	96.9	187	212	228	1900
o-Xylene	NS	109	224	135	61.6	45.5	36.6	94.1	120	113	135	217	170	**1360**
Xylene (total	5	**346**	**554**	**310**	**217**	**130**	**71.2**	**186**	**245**	**210**	**322**	**429**	**397**	**3260**

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-16S (Treatment Zone Well												
Date Sampled		JA85941-4 9/12/2011 Post Treatment	JA99361-6 2/14/2012	JB5986-6 5/8/2012	JB14495-8 8/27/2012	JB24251-6 12/18/2012	JB31021-8 3/11/2013	JB39020-6 6/6/2013	JB46946-6 9/10/2013	JB55981-7 12/18/2013	JB62930-4 3/25/2014	JB62930-4 6/24/2014	JB77273-15 9/23/2014	JD54013-2 10/19/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<190	<380	<250	<160	<160	<160	<160	139 J	<500	<170	< 170	<1000	ND (61) a
Benzene	1	1310	1060	3490	4080	3700	2060	2070	1760	2050	1580	1700	1280	48.5
Bromochloromethane	NS	<9.9	<20	<20	<15	<15	<15	<15	<130	<250	<21	< 21	<500	ND (9.6)
Bromodichloromethane	50	<5.7	<11	<11	<10	<10	<10	<10	<25	<50	<11	< 11	<100	ND (9.0)
Bromoform	50	<6.1	<12	<12	<11	<11	<11	<11	<100	<200	<15	< 15	<400	ND (13)
Bromomethane	5	<7.9	<16	<16	<11	<11	<11	<11	<50	<100	<28	< 28	<200	ND (33)
2-Butanone (MEK	50	<73	<150	<150	<120	<120	<120	<120	<250	<500	<160	< 160	<1000	ND (55)
Carbon disulfide	60	19.2 J	<8.9	10.9 J	<9.5	<9.5	<9.5	<9.5	6.7 J	<100	<9.1	< 9.1	<200	ND (9.1)
Carbon tetrachloride	5	<4.9	<9.7	<9.7	<11	<11	<11	<11	<25	<50	<11	< 11	<100	ND (11)
Chlorobenzene	5	<5.6	51.0	<11	<11	<11	<11	<11	<25	<50	<17	< 17	<100	ND (11)
Chloroethane	5	<9.2	<18	<18	<13	<13	<13	<13	<25	<50	<19	< 19	<100	ND (15) b
Chloroform	7	<5.2	<10	<10	<10	<10	<10	<10	<25	<50	<12	< 12	<100	ND (10)
Chloromethane	NS	<5.5	<11	<11	<10	<10	<10	<10	<25	<50	<18	< 18	<100	ND (15)
Cyclohexane	NS	<7.2	<14	<14	<18	<18	<18	<18	<130	<250	<9.0	< 9.0	<500	ND (16)
1,2-Dibromo-3-chloropropane	0.04	<32	<63	<63	<27	<27	<27	<27	<250	<500	<63	< 63	<1000	ND (11)
Dibromochloromethane	50	<5.1	<10	<10	<6.8	<6.8	<6.8	<6.8	<25	<50	<9.6	< 9.6	<100	ND (11)
1,2-Dibromoethane	NS	<5.2	<10	<10	<9.8	<9.8	<9.8	<9.8	<50	<100	<8.0	< 8.0	<200	ND (9.5)
1,2-Dichlorobenzene	3	<4.6	<9.2	<9.2	<11	<11	<11	<11	<25	<50	<10	< 10	<100	ND (11)
1,3-Dichlorobenzene	3	<7.2	<14	<14	<11	<11	<11	<11	<25	<50	<16	< 16	<100	ND (11)
1,4-Dichlorobenzene	3	<6.4	<13	<13	<15	<15	<15	<15	<25	<50	<15	< 15	<100	ND (10)
Dichlorodifluoromethane	NS	<7.8	<16	<16	<13	<13	<13	<13	<130	<250	<32	< 32	<500	ND (11)
1,1-Dichloroethane	5	<4.8	<9.6	<9.6	<5.3	<5.3	<5.3	<5.3	<25	<50	<13	< 13	<100	ND (11)
1,2-Dichloroethane	0.6	<4.5	<9.0	<9.0	<13	<13	<13	<13	<25	<50	<11	< 11	<100	ND (12)
1,1-Dichloroethene	5	<7.0	<14	<14	<9.6	<9.6	<9.6	<9.6	<25	<50	<17	< 17	<100	ND (12)
cis-1,2-Dichloroethene	5	<5.4	<11	<11	<9.4	<9.4	<9.4	<9.4	<25	<50	<12	< 12	<100	ND (10)
trans-1,2-Dichloroethene	5	<7.8	<16	<16	<11	<11	<11	<11	<25	<50	<19	< 19	<100	ND (11)
1,2-Dichloropropane	1	<5.4	<11	<11	<24	<24	<24	<24	<25	<50	<14	< 14	<100	ND (10)
cis-1,3-Dichloropropene	NS	<5.4	<11	<11	<10	<10	<10	<10	<25	<50	<7.6	< 7.6	<100	ND (9.4)
trans-1,3-Dichloropropene	NS	<4.6	<9.3	<9.3	<9.5	<9.5	<9.5	<9.5	<25	<50	<10	< 10	<100	ND (8.6)
1,4-Dioxane	NS	<1800	<3600	<3600	<3700	<3700	<3700	<3700	<3100	<6300	<3600	< 3600	<13000	ND (390)
Ethylbenzene	5	1210	1150	792	830	797	1200	1300	1080	926	911	1130	1470	221
Freon 113	NS	<12	<25	<25	<27	<27	<27	<27	<130	<250	<38	< 38	<500	ND (12)
2-Hexanone	50	<76	<150	<150	<57	<57	<57	<57	<130	<250	<85	< 85	<500	ND (41)
Isopropylbenzene	5	48.2 J	47.0 J	38.0 J	32.4 J	28.6 J	47.9 J	54.0 J	43.4 J	35 J	36.4 J	47.2 J	59.4 J	49.1
Methyl Acetate	NS	<72	<140	<140	<58	<58	<58	<58	<130	<250	<75	< 75	<500	ND (16)
Methylcyclohexane	NS	<4.6	<9.2	<9.2	<13	<13	<13	<13	<130	<250	<7.7	< 7.7	<500	14.7 J
Methyl Tert Butyl Ether	10	<4.6	<9.2	<9.2	<8.2	<8.2	<8.2	<8.2	<25	<50	<14	< 14	<100	ND (10)
4-Methyl-2-pentanone(MIBK	NS	<30	<61	<61	<41	<41	<41	<41	<130	<250	<74	< 74	<500	ND (37)
Methylene chloride	5	<5.1	<10	<10	<35	<35	<35	<35	<50	<100	<43	< 43	<200	ND (20)
Styrene	NS	<5.7	<11	<11	<11	<11	<11	<11	<130	<250	<15	< 15	<500	ND (9.7)
1,1,2,2-Tetrachloroethane	5	<5.0	<10	<10	<11	<11	<11	<11	<25	<50	<9.8	< 9.8	<100	ND (13)
Tetrachloroethene	5	<8.0	<16	<16	<14	<14	<14	<14	<25	<50	<13	< 13	<100	ND (11)
Toluene	5	8860	7510	4060	4370	3860	9260	12000	8020	4370	4910	11800	17000	51.9
1,2,3-Trichlorobenzene	NS	<17	<34	<34	<14	<14	<14	<14	<130	<250	<12	< 12	<500	ND (10)
1,2,4-Trichlorobenzene	5	<3.7	<7.5	<7.5	<10	<10	<10	<10	<130	<250	<11	< 11	<500	ND (10)
1,1,1-Trichloroethane	5	<5.9	<12	<12	<12	<12	<12	<12	<25	<50	<12	< 12	<100	ND (11)
1,1,2-Trichloroethane	1	<5.8	<12	<12	<14	<14	<14	<14	<25	<50	<11	< 11	<100	ND (11)
Trichloroethene	5	<5.3	<11	<11	<11	<11	<11	<11	<25	<50	<25	< 25	<100	ND (11)
Trichlorofluoromethane	5	<8.8	<18	<18	<13	<13	<13	<13	<130	<250	<17	< 17	<500	ND (8.0)
Vinyl chloride	2	<6.7	<13	<13	<10	<10	<10	<10	<25	<50	<21	< 21	<100	ND (10) b
m,p-Xylene	NS	3420	3130	2090	2080	1890	3190	3350	2740	2170	2180	2960	4210	304
o-Xylene	NS	1470	1330	900	962	871	1400	1460	1210	982	976	1250	1800	218
Xylene (total	5	4890	4460	2990	3040	2760	4590	4810	3950	3150	3160	4210	6010	522

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-17S (Treatment Zone Well JA86145-5 9/14/2011 Post Treatment Result Q	JA99361-7 2/14/2012 Result Q	JB6090-3 5/9/2012 Result Q	JB14495-9 8/27/2012 Result Q	JB24251-7 12/18/2012 Result Q	JB31021-9 3/11/2013 Result Q	JB39020-7 6/6/2013 Result Q	JB46946-7 9/10/2013 Result Q	JB55981-8 12/18/2013 Result Q	JB62825-6 3/24/2014 Result Q	NOT SAMPLED	NOT SAMPLED	JD54013-5 10/20/2022 Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<7.6	<7.6	<5.0	<3.3	<3.3	<3.3	<3.3	<10	<10	<3.3			ND (31)
Benzene	1	<0.22	<0.22	0.76 J	<0.24	<0.24	<0.24	<0.24	<1.0	0.47 J	<0.28			**21.9**
Bromochloromethane	NS	<0.40	<0.40	<0.40	<0.30	<0.30	<0.30	<0.30	<5.0	<5.0	<0.42			ND (4.8)
Bromodichloromethane	50	<0.23	<0.23	<0.23	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.21			ND (4.5)
Bromoform	50	<0.24	<0.24	<0.24	<0.21	<0.21	<0.21	<0.21	<4.0	<4.0	<0.30			ND (6.3)
Bromomethane	5	<0.31	<0.31	<0.31	<0.22	<0.22	<0.22	<0.22	<2.0	<2.0	<0.56			ND (16)
2-Butanone (MEK	50	<2.9	<2.9	<2.9	<2.4	<2.4	<2.4	<2.4	<10	<10	<3.2			ND (27)
Carbon disulfide	60	<0.18	<0.18	<0.18	<0.19	<0.19	<0.19	<0.19	<2.0	0.69 J	<0.18			10.8 J
Carbon tetrachloride	5	<0.19	<0.19	<0.19	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.23			ND (5.5)
Chlorobenzene	5	<0.22	<0.22	<0.22	<0.23	<0.23	<0.23	<0.23	<1.0	<1.0	<0.35			ND (5.6)
Chloroethane	5	<0.37	<0.37	<0.37	<0.26	<0.26	<0.26	<0.26	<1.0	<1.0	<0.39			ND (7.3)
Chloroform	7	<0.21	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<1.0	<1.0	<0.25			ND (5.0)
Chloromethane	NS	<0.22	<0.22	<0.22	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.36			ND (7.6)
Cyclohexane	NS	<0.29	<0.29	<0.29	<0.35	<0.35	<0.35	<0.35	<5.0	<5.0	<0.18			ND (7.8)
1,2-Dibromo-3-chloropropane	0.04	<1.3	<1.3	<1.3	<0.54	<0.54	<0.54	<0.54	<10	<10	<1.3			ND (5.3)
Dibromochloromethane	50	<0.20	<0.20	<0.20	<0.14	<0.14	<0.14	<0.14	<1.0	<1.0	<0.19			ND (5.6)
1,2-Dibromoethane	NS	<0.21	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0	<0.16			ND (4.8)
1,2-Dichlorobenzene	3	<0.18	<0.18	<0.18	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.20			ND (5.3)
1,3-Dichlorobenzene	3	<0.29	<0.29	<0.29	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.31			ND (5.4)
1,4-Dichlorobenzene	3	<0.26	<0.26	<0.26	<0.30	<0.30	<0.30	<0.30	<1.0	<1.0	<0.30			ND (5.1)
Dichlorodifluoromethane	NS	<0.31	<0.31	<0.31	<0.27	<0.27	<0.27	<0.27	<5.0	<5.0	<0.63			ND (5.6)
1,1-Dichloroethane	5	<0.19	<0.19	<0.19	<0.11	<0.11	<0.11	<0.11	<1.0	<1.0	<0.26			ND (5.7)
1,2-Dichloroethane	0.6	<0.18	<0.18	<0.18	<0.26	<0.26	<0.26	<0.26	<1.0	<1.0	<0.22			ND (6.0)
1,1-Dichloroethene	5	<0.28	<0.28	<0.28	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.34			ND (5.9)
cis-1,2-Dichloroethene	5	<0.22	<0.22	<0.22	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.24			ND (5.1)
trans-1,2-Dichloroethene	5	<0.31	<0.31	<0.31	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.38			ND (5.4)
1,2-Dichloropropane	1	<0.22	<0.22	<0.22	<0.48	<0.48	<0.48	<0.48	<1.0	<1.0	<0.28			ND (5.1)
cis-1,3-Dichloropropene	NS	<0.22	<0.22	<0.22	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.15			ND (4.7)
trans-1,3-Dichloropropene	NS	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.21			ND (4.3)
1,4-Dioxane	NS	<72	<72	<72	<75	<75	<75	<75	<130	<130	<73			ND (190) a
Ethylbenzene	5	<0.21	<0.21	0.36 J	<0.23	<0.23	<0.23	<0.23	<1.0	0.28 J	<0.21			**708**
Freon 113	NS	<0.49	<0.49	<0.49	<0.53	<0.53	<0.53	<0.53	<5.0	<5.0	<0.77			ND (5.8)
2-Hexanone	50	<3.0	<3.0	<3.0	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<1.7			ND (20) a
Isopropylbenzene	5	<0.19	<0.19	<0.19	<0.45	<0.45	<0.45	<0.45 J	<2.0	<2.0	<0.22			**64**
Methyl Acetate	NS	<2.9	<2.9	<2.9	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<1.5			ND (8.0) a
Methylcyclohexane	NS	<0.18	<0.18	<0.18	<0.26	<0.26	<0.26	<0.26	<5.0	<5.0	<0.15			ND (6.0)
Methyl Tert Butyl Ether	10	<0.18	<0.18	<0.18	<0.16	<0.16	<0.16	<0.16	<1.0	<1.0	<0.29			ND (5.1)
4-Methyl-2-pentanone(MIBK	NS	<1.2	<1.2	<1.2	<0.83	<0.83	<0.83	<0.83	<5.0	<5.0	<1.5			ND (19) a
Methylene chloride	5	<0.20	<0.20	<0.20	<0.70	<0.70	<0.70	<0.70	<2.0	<2.0	<0.86			ND (10)
Styrene	NS	<0.23	<0.23	<0.23	<0.21	<0.21	<0.21	<0.21	<5.0	<5.0	<0.30			ND (4.9)
1,1,2,2-Tetrachloroethane	5	<0.20	<0.20	<0.20	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.20			ND (6.5)
Tetrachloroethene	5	<0.32	<0.32	<0.32	<0.28	<0.28	<0.28	<0.28	<1.0	<1.0	<0.25			ND (5.6)
Toluene	5	<0.15	<0.15	0.57 J	<0.23	<0.23	<0.23	<0.23	<1.0	<1.0	<0.44			**58.8**
1,2,3-Trichlorobenzene	NS	<0.69	<0.69	<0.69	<0.28	<0.28	<0.28	<0.28	<5.0	<5.0	<0.24			ND (5.0)
1,2,4-Trichlorobenzene	5	<0.15	<0.15	<0.15	<0.20	<0.20	<0.20	<0.20	<5.0	<5.0	<0.22			ND (5.0)
1,1,1-Trichloroethane	5	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<1.0	<1.0	<0.25			ND (5.4)
1,1,2-Trichloroethane	1	<0.23	<0.23	<0.23	<0.29	<0.29	<0.29	<0.29	<1.0	<1.0	<0.21			ND (5.3)
Trichloroethene	5	<0.21	<0.21	<0.21	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.50			ND (5.3)
Trichlorofluoromethane	5	<0.35	<0.35	<0.35	<0.27	<0.27	<0.27	<0.27	<5.0	<5.0	<0.33			ND (4.0)
Vinyl chloride	2	<0.27	<0.27	<0.27	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.41			ND (5.2)
m,p-Xylene	NS	<0.32	<0.32	0.39 J	<0.42	<0.42	<0.42	<0.42	<1.0	<1.0	<0.40			1460
o-Xylene	NS	<0.17	<0.17	0.27 J	<0.24	<0.24	<0.24	<0.24	<1.0	<1.0	<0.19			**729**
Xylene (total	5	<0.17	<0.17	0.66 J	<0.24	<0.24	<0.24	<0.24	<1.0	<1.0	<0.19			**2190**

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-18D												
Lab Sample ID **Date Sampled**	**NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values**	**JA86145-2** **9/14/2011** **Post Treatment**	**JA99361-8** **2/14/2012**	**JB5986-7** **5/8/2012**	**JB14495-10** **8/27/2012**	**JB24251-8** **12/18/2012**	**JB31021-10** **3/11/2013**	**JB39234-4** **6/10/2013**	**JB47100-4** **9/11/2013**	**JB55981-9** **12/18/2013**	**JB62825-7** **3/24/2014**	**NOT SAMPLED**	**JB77273-14** **9/23/2014**	**NOT SAMPLED (Annual Sampling**
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<38	<38	<25	<16	<16	<16	<6.6	<10	<10	<33		<10	
Benzene	1	**181**	**260**	**178**	**213**	**149**	**143**	**118**	**135**	**133**	**121**		**163**	
Bromochloromethane	NS	<2.0	<2.0	<2.0	<1.5	<1.5	<1.5	<0.60	<5.0	<5.0	<4.2		<5.0	
Bromodichloromethane	50	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<0.41	<1.0	<1.0	<2.1		<1.0	
Bromoform	50	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<0.43	<4.0	<4.0	<3.0		<4.0	
Bromomethane	5	<1.6	<1.6	<1.6	<1.1	<1.1	<1.1	<0.44	<2.0	<2.0	<5.6		<2.0	
2-Butanone (MEK	50	<15	<15	<15	<12	<12	<12	<4.7	<10	<10	<32		<10	
Carbon disulfide	60	<0.89	5.1 J	2.5 J	4.5 J	8.3 J	3.2 J	2.1 J	3.5	3	<1.8		0.80 J	
Carbon tetrachloride	5	<0.97	<0.97	<0.97	<1.1	<1.1	<1.1	<0.43	<1.0	<1.0	<2.3		<1.0	
Chlorobenzene	5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.46	<1.0	<1.0	<3.5		0.20 J	
Chloroethane	5	<1.8	<1.8	<1.8	<1.3	<1.3	<1.3	<0.52	<1.0	<1.0	<3.9		<1.0	
Chloroform	7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.41	<1.0	<1.0	<2.5		<1.0	
Chloromethane	NS	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<0.41	<1.0	<1.0	<3.6		<1.0	
Cyclohexane	NS	2.9 J	5.2 J	3.0 J	<1.8	4.3 J	2.3 J	3.6 J	2.5 J	2.6 J	<1.8		3.3 J	
1,2-Dibromo-3-chloropropane	0.04	<6.3	<6.3	<6.3	<2.7	<2.7	<2.7	<1.1	<10	<10	<13		<10	
Dibromochloromethane	50	<1.0	<1.0	<1.0	<0.68	<0.68	<0.68	<0.27	<1.0	<1.0	<1.9		<1.0	
1,2-Dibromoethane	NS	<1.0	<1.0	<1.0	<0.98	<0.98	<0.98	<0.39	<2.0	<2.0	<1.6		<2.0	
1,2-Dichlorobenzene	3	<0.92	<0.92	<0.92	<1.1	<1.1	<1.1	<0.43	<1.0	<1.0	<2.0		<1.0	
1,3-Dichlorobenzene	3	<1.4	<1.4	<1.4	<1.1	<1.1	<1.1	<0.45	<1.0	<1.0	<3.1		<1.0	
1,4-Dichlorobenzene	3	<1.3	<1.3	<1.3	<1.5	<1.5	<1.5	<0.60	<1.0	<1.0	<3.0		<1.0	
Dichlorodifluoromethane	NS	<1.6	<1.6	<1.6	<1.3	<1.3	<1.3	<0.54	<5.0	<5.0	<6.3		<5.0	
1,1-Dichloroethane	5	<0.96	<0.96	<0.96	<0.53	<0.53	<0.53	<0.21	<1.0	<1.0	<2.6		<1.0	
1,2-Dichloroethane	0.6	<0.90	<0.90	<0.90	<1.3	<1.3	<1.3	<0.52	<1.0	<1.0	<2.2		<1.0	
1,1-Dichloroethene	5	<1.4	<1.4	<1.4	<0.96	<0.96	<0.96	<0.38	<1.0	<1.0	<3.4		<1.0	
cis-1,2-Dichloroethene	5	<1.1	<1.1	<1.1	<0.94	<0.94	<0.94	<0.38	<1.0	<1.0	<2.4		<1.0	
trans-1,2-Dichloroethene	5	<1.6	<1.6	<1.6	<1.1	<1.1	<1.1	<0.42	<1.0	<1.0	<3.8		<1.0	
1,2-Dichloropropane	1	<1.1	<1.1	<1.1	<2.4	<2.4	<2.4	<0.97	<1.0	<1.0	<2.8		<1.0	
cis-1,3-Dichloropropene	NS	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<0.41	<1.0	<1.0	<1.5		<1.0	
trans-1,3-Dichloropropene	NS	<0.93	<0.93	<0.93	<0.95	<0.95	<0.95	<0.38	<1.0	<1.0	<2.1		<1.0	
1,4-Dioxane	NS	<360	<360	<360	<370	<370	<370	<150	<130	73.2 J	<730		<130	
Ethylbenzene	5	**497**	**702**	**508**	**690**	**652**	**494**	**582**	**667**	**535**	**467**		**197**	
Freon 113	NS	<2.5	<2.5	<2.5	<2.7	<2.7	<2.7	<1.1	<5.0	<5.0	<7.7		<5.0	
2-Hexanone	50	<15	<15	<15	<5.7	<5.7	<5.7	<2.3	<5.0	<5.0	<17		<5.0	
Isopropylbenzene	5	**58.6**	**70.7**	**53.5**	**64.7**	**60.9**	**46.7**	**55.7**	**64.5**	**56.7**	**51.8**		**49.8**	
Methyl Acetate	NS	<14	<14	<14	<5.8	<5.8	<5.8	<2.3	<5.0	<5.0	<15		<5.0	
Methylcyclohexane	NS	6.6 J	8.8 J	5.8 J	3.2 J	6.7 J	3.4 J	7.2 J	5.3	5.4	5.7 J		6.7	
Methyl Tert Butyl Ether	10	<0.92	<0.92	<0.92	<0.82	<0.82	<0.82	<0.33	<1.0	<1.0	<2.9		0.38 J	
4-Methyl-2-pentanone(MIBK	NS	<6.1	<6.1	<6.1	<4.1	<4.1	<4.1	2.3 J	<5.0	<5.0	<15		<5.0	
Methylene chloride	5	<1.0	<1.0	<1.0	<3.5	<3.5	<3.5	<1.4	<2.0	<2.0	<8.6		<2.0	
Styrene	NS	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.43	<5.0	<5.0	<3.0		<5.0	
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.1	<1.1	<1.1	<0.43	<1.0	<1.0	<2.0		<1.0	
Tetrachloroethene	5	<1.6	<1.6	<1.6	<1.4	<1.4	<1.4	<0.56	<1.0	<1.0	<2.5		<1.0	
Toluene	5	**17.1**	**11.2**	**14.5**	**5.6**	**12.6**	**10.7**	**8.9**	**5.2**	**10.6**	**5.5** J		2.5	
1,2,3-Trichlorobenzene	NS	<3.4	<3.4	<3.4	<1.4	<1.4	<1.4	<0.56	<5.0	<5.0	<2.4		<5.0	
1,2,4-Trichlorobenzene	5	<0.75	<0.75	<0.75	<1.0	<1.0	<1.0	<0.41	<5.0	<5.0	<2.2		<5.0	
1,1,1-Trichloroethane	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<0.47	<1.0	<1.0	<2.5		<1.0	
1,1,2-Trichloroethane	1	<1.2	<1.2	<1.2	<1.4	<1.4	<1.4	<0.57	<1.0	<1.0	<2.1		<1.0	
Trichloroethene	5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<0.43	<1.0	<1.0	<5.0		<1.0	
Trichlorofluoromethane	5	<1.8	<1.8	<1.8	<1.3	<1.3	<1.3	<0.53	<5.0	<5.0	<3.3		<5.0	
Vinyl chloride	2	<1.3	<1.3	<1.3	<1.0	<1.0	<1.0	<0.41	<1.0	<1.0	<4.1		<1.0	
m,p-Xylene	NS	129	109	148	21.7	180	153	180	19	176	45.2		1.5	
o-Xylene	NS	14.9	10.1	41.8	8.3	44.4	29.6	30.6	12.3	66.4	13.9		4.9	
Xylene (total	5	**144**	**119**	**190**	**30.0**	**224**	**183**	**211**	**31.3**	**243**	**59.1**		**6.4**	

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-19D JA86022-6 9/13/2011 Post Treatment Result Q	JA99488-4 2/15/2012 Result Q	JB6090-4 5/9/2012 Result Q	JB14495-11 8/27/2012 Result Q	JB24251-9 12/18/2012 Result Q	JB31021-11 3/11/2013 Result Q	JB39020-8 6/6/2013 Result Q	JB46946-8 9/10/2013 Result Q	JB55981-10 12/18/2013 Result Q	JB62825-8 3/24/2014 Result Q	NOT SAMPLED	JB77273-18 9/24/2014 Result Q	JD54013-10 9/25/2014 Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	**180**	**251**	**205** J	**177** J	<3.3	<33	<3.3	<100	<10	<3.3		<10	5.8 J
Benzene	1	**3.3**	**11.9**	**12.9** J	**18.4** J	**2.4**	**13.4**	**1.1**	**18.6**	<1.0	**18.3**		**2.1**	**46.8**
Bromochloromethane	NS	<0.79	<4.0	<9.9	<15	<0.30	<3.0	<0.30	<50	<5.0	<0.42		<5.0	ND (0.48)
Bromodichloromethane	50	<0.46	<2.3	<5.7	<10	<0.21	<2.1	<0.21	<10	<1.0	<0.21		<1.0	ND (0.45)
Bromoform	50	<0.49	<2.4	<6.1	<11	<0.21	<2.1	<0.21	<40	<4.0	<0.30		<4.0	ND (0.63)
Bromomethane	5	<0.63	<3.1	<7.9	<11	<0.22	<2.2	<0.22	<20	<2.0	<0.56		<2.0	ND (1.6)
2-Butanone (MEK	50	<5.8	<29	<73	<120	<2.4	<24	<2.4	<100	<10	<3.2		<10	ND (2.7)
Carbon disulfide	60	**68.8**	**82.0**	**60.8**	**77.0** J	2.8	40.0	1.9 J	38.1	<2.0	14.8		2.3	0.89 J
Carbon tetrachloride	5	<0.39	<1.9	<4.9	<11	<0.22	<2.2	<0.22	<10	<1.0	<0.23		<1.0	ND (0.55)
Chlorobenzene	5	<0.45	<2.2	<5.6	<11	<0.23	<2.3	<0.23	<10	<1.0	<0.35		<1.0	ND (0.56)
Chloroethane	5	<0.73	<3.7	<9.2	<13	<0.26	<2.6	<0.26	<10	<1.0	<0.39		<1.0	ND (0.73)
Chloroform	7	<0.41	<2.1	<5.2	<10	<0.20	<2.0	<0.20	<10	<1.0	<0.25		<1.0	ND (0.50)
Chloromethane	NS	<0.44	<2.2	<5.5	<10	<0.21	<2.1	<0.21	<10	<1.0	<0.36		<1.0	ND (0.76)
Cyclohexane	NS	<0.57	<2.9	<7.2	<18	<0.35	<3.5	<0.35	<50	<5.0	<0.18		<5.0	1.1 J
1,2-Dibromo-3-chloropropane	0.04	<2.5	<13	<32	<27	<0.54	<5.4	<0.54	<100	<10	<1.3		<10	ND (0.53)
Dibromochloromethane	50	<0.41	<2.0	<5.1	<6.8	<0.14	<1.4	<0.14	<10	<1.0	<0.19		<1.0	ND (0.56)
1,2-Dibromoethane	NS	<0.42	<2.1	<5.2	<9.8	<0.20	<2.0	<0.20	<20	<2.0	<0.16		<2.0	ND (0.48)
1,2-Dichlorobenzene	3	<0.37	<1.8	<4.6	<11	<0.22	<2.2	<0.22	<10	<1.0	<0.20		<1.0	ND (0.53)
1,3-Dichlorobenzene	3	<0.57	<2.9	<7.2	<11	<0.22	<2.2	<0.22	<10	<1.0	<0.31		<1.0	ND (0.54)
1,4-Dichlorobenzene	3	<0.51	<2.6	<6.4	<15	<0.30	<3.0	<0.30	<10	<1.0	<0.30		<1.0	ND (0.51)
Dichlorodifluoromethane	NS	<0.62	<3.1	<7.8	<13	<0.27	<2.7	<0.27	<50	<5.0	<0.63		<5.0	ND (0.56)
1,1-Dichloroethane	5	<0.38	<1.9	<4.8	<5.3	<0.11	<1.1	<0.11	<10	<1.0	<0.26		<1.0	ND (0.57)
1,2-Dichloroethane	0.6	<0.36	<1.8	<4.5	<13	<0.26	<2.6	<0.26	<10	<1.0	<0.22		<1.0	ND (0.60)
1,1-Dichloroethene	5	<0.56	<2.8	<7.0	<9.6	<0.19	<1.9	<0.19	<10	<1.0	<0.34		<1.0	ND (0.59)
cis-1,2-Dichloroethene	5	<0.43	<2.2	<5.4	<9.4	<0.19	<1.9	<0.19	<10	<1.0	<0.24		<1.0	ND (0.51)
trans-1,2-Dichloroethene	5	<0.63	<3.1	<7.8	<11	<0.21	<2.1	<0.21	<10	<1.0	<0.38		<1.0	ND (0.54)
1,2-Dichloropropane	1	<0.43	<2.2	<5.4	<24	<0.48	<4.8	<0.48	<10	<1.0	<0.28		<1.0	ND (0.51)
cis-1,3-Dichloropropene	NS	<0.43	<2.2	<5.4	<10	<0.21	<2.1	<0.21	<10	<1.0	<0.15		<1.0	ND (0.47)
trans-1,3-Dichloropropene	NS	<0.37	<1.9	<4.6	<9.5	<0.19	<1.9	<0.19	<10	<1.0	<0.21		<1.0	ND (0.43)
1,4-Dioxane	NS	<140	<720	<1800	<3700	<75	<750	<75	<1300	<130	107 J		<130	ND (19) a
Ethylbenzene	5	1.5 J	4.8 J	<5.3	**98.0**	0.71 J	**8.9** J	0.54 J	**12.8**	<1.0	**16.2**		0.73 J	**162**
Freon 113	NS	<0.98	<4.9	<12	<27	<0.53	<5.3	<0.53	<50	<5.0	<0.77		<5.0	ND (0.58)
2-Hexanone	50	<6.1	<30	<76	<57	<1.1	<11	<1.1	<50	<5.0	<1.7		<5.0	ND (2.0) a
Isopropylbenzene	5	<0.39	<1.9	<4.9	<22	<0.45	<4.5	<0.45	<20	<2.0	2.7		0.33 J	**25.4**
Methyl Acetate	NS	<5.7	<29	<72	<58	<1.2	<12	<1.2	<50	<5.0	<1.5		<5.0	ND (0.80) a
Methylcyclohexane	NS	<0.37	<1.8	<4.6	<13	<0.26	<2.6	<0.26	<50	<5.0	<0.15		<5.0	0.66 J
Methyl Tert Butyl Ether	10	<0.37	<1.8	<4.6	<8.2	<0.16	<1.6	<0.16	<10	<1.0	<0.29		<1.0	ND (0.51)
4-Methyl-2-pentanone(MIBK	NS	<2.4	<12	<30	<41	<0.83	<8.3	<0.83	<50	<5.0	<1.5		<5.0	ND (1.9) a
Methylene chloride	5	<0.40	<2.0	<5.1	<35	<0.70	<7.0	<0.70	<20	<2.0	<0.86		<2.0	ND (1.0)
Styrene	NS	<0.46	<2.3	<5.7	<11	<0.21	<2.1	<0.21	<50	<5.0	<0.30		<5.0	ND (0.49)
1,1,2,2-Tetrachloroethane	5	<0.40	<2.0	<5.0	<11	<0.21	<2.1	<0.21	<10	<1.0	<0.20		<1.0	ND (0.65)
Tetrachloroethene	5	<0.64	<3.2	<8.0	<14	<0.28	<2.8	<0.28	<10	<1.0	<0.25		<1.0	ND (0.56)
Toluene	5	3.6	**10.7**	**11.1** J	**11.9** J	0.80 J	**8.8** J	<0.23	**12.4**	<1.0	2.7		<1.0	3.7
1,2,3-Trichlorobenzene	NS	<1.4	<6.9	<17	<14	<0.28	<2.8	<0.28	<50	<5.0	<0.24		<5.0	ND (0.50)
1,2,4-Trichlorobenzene	5	<0.30	<1.5	<3.7	<10	<0.20	<2.0	<0.20	<50	<5.0	<0.22		<5.0	ND (0.50)
1,1,1-Trichloroethane	5	<0.47	<2.4	<5.9	<12	<0.24	<2.4	<0.24	<10	<1.0	<0.25		<1.0	ND (0.54)
1,1,2-Trichloroethane	1	<0.46	<2.3	<5.8	<14	<0.29	<2.9	<0.29	<10	<1.0	<0.21		<1.0	ND (0.53)
Trichloroethene	5	<0.42	<2.1	<5.3	<11	<0.22	<2.2	<0.22	<10	<1.0	<0.50		<1.0	ND (0.53)
Trichlorofluoromethane	5	<0.70	<3.5	<8.8	<13	<0.27	<2.7	<0.27	<50	<5.0	<0.33		<5.0	ND (0.40)
Vinyl chloride	2	<0.53	<2.7	<6.7	<10	<0.21	<2.1	<0.21	<10	<1.0	<0.41		<1.0	ND (0.52)
m,p-Xylene	NS	1.7 J	3.9 J	<8.0	71.6	<0.42	<4.2	<0.42	5.6 J	<1.0	3.0		<1.0	62.8
o-Xylene	NS	0.87 J	<1.7	<4.3	65.2	<0.24	2.7 J	<0.24	3.7 J	<1.0	3.2		<1.0	**49.4**
Xylene (total	5	2.6	3.9 J	<4.3	**137**	0.54 J	**6.8** J	<0.24	**9.3** J	<1.0	**6.2**		<1.0	**112**

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-20S (Treatment Zone Well												
Lab Sample ID	**Class GA**	**JA86022-5**	**JA99361-9**	**JB5986-8**	**JB14495-12**	**JB24251-10**	**JB31021-12**	**JB39020-9**	**JB46946-9**	**JB55981-11**	**JB62825-9**	**JB62825-9**	**JB77273-9**	**JD54013-20**
Date Sampled	**Ambient Water Quality Standards and Guidance Values**	**9/13/2011 Post Treatment Result Q**	**2/14/2012 Result Q**	**5/8/2012 Result Q**	**8/27/2012 Result Q**	**12/18/2012 Result Q**	**3/11/2013 Result Q**	**6/6/2013 Result Q**	**9/10/2013 Result Q**	**12/18/2013 Result Q**	**3/24/2014 Result Q**	**6/24/2014 Result Q**	**9/23/2014 Result Q**	**10/20/2022 Result Q**
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<150	<380	<50	**239** J	<82	19.9	**71.3**	<100	**330**	<3.3	< 3.3	<20	ND (61) b
Benzene	1	<4.4	<11	**3.5** J	<9.4	**7.4** J	**5.6**	**1.3**	**5.4** J	**5.8**	**1.4**	**7.3**	**8.0**	**22.1**
Bromochloromethane	NS	<7.9	<20	<4.0	<12	<7.5	<0.30	<0.30	<50	<5.0	<0.42	< 0.42	<10	ND (9.6)
Bromodichloromethane	50	<4.6	<11	<2.3	<8.3	<5.2	<0.21	<0.21	<10	<1.0	<0.21	< 0.21	<2.0	ND (9.0)
Bromoform	50	<4.9	<12	<2.4	<8.6	<5.4	<0.21	<0.21	<40	<4.0	<0.30	< 0.30	<8.0	ND (13)
Bromomethane	5	<6.3	<16	<3.1	<8.8	<5.5	<0.22	<0.22	<20	<2.0	<0.56	< 0.56	<4.0	ND (33) b
2-Butanone (MEK	50	<58	<150	<29	<94	<59	<2.4	<2.4	<100	<10	<3.2	< 3.2	<20	ND (55)
Carbon disulfide	60	6.1 J	<8.9	<1.8	<7.6	<4.7	0.35 J	1.1 J	<20	<2.0	<0.18	< 0.18	<4.0	10.1 J
Carbon tetrachloride	5	<3.9	<9.7	<1.9	<8.7	<5.4	<0.22	<0.22	<10	<1.0	<0.23	< 0.23	<2.0	ND (11)
Chlorobenzene	5	<4.5	<11	<2.2	<9.2	<5.7	<0.23	<0.23	<10	<1.0	<0.35	< 0.35	<2.0	ND (11)
Chloroethane	5	<7.3	<18	<3.7	<10	<6.6	<0.26	<0.26	<10	<1.0	<0.39	< 0.39	<2.0	ND (15) b
Chloroform	7	<4.1	<10	<2.1	<8.1	<5.1	<0.20	<0.20	<10	<1.0	<0.25	< 0.25	<2.0	ND (10)
Chloromethane	NS	<4.4	<11	<2.2	<8.2	<5.2	<0.21	<0.21	<10	<1.0	<0.36	< 0.36	<2.0	ND (15)
Cyclohexane	NS	<5.7	<14	<2.9	<14	<8.9	<0.35	<0.35	<50	<5.0	<0.18	< 0.18	<10	ND (16)
1,2-Dibromo-3-chloropropane	0.04	<25	<63	<13	<22	<13	<0.54	<0.54	<100	<10	<1.3	< 1.3	<20	ND (11)
Dibromochloromethane	50	<4.1	<10	<2.0	<5.4	<3.4	<0.14	<0.14	<10	<1.0	<0.19	< 0.19	<2.0	ND (11)
1,2-Dibromoethane	NS	<4.2	<10	<2.1	<7.8	<4.9	<0.20	<0.20	<20	<2.0	<0.16	< 0.16	<4.0	ND (9.5)
1,2-Dichlorobenzene	3	<3.7	<9.2	<1.8	<8.7	<5.4	<0.22	<0.22	<10	<1.0	<0.20	< 0.20	<2.0	ND (11)
1,3-Dichlorobenzene	3	<5.7	<14	<2.9	<9.0	<5.6	<0.22	<0.22	<10	<1.0	<0.31	< 0.31	<2.0	ND (11)
1,4-Dichlorobenzene	3	<5.1	<13	<2.6	<12	<7.5	<0.30	<0.30	<10	<1.0	<0.30	< 0.30	<2.0	ND (10)
Dichlorodifluoromethane	NS	<6.2	<16	<3.1	<11	<6.7	<0.27	<0.27	<50	<5.0	<0.63	< 0.63	<10	ND (11)
1,1-Dichloroethane	5	<3.8	<9.6	<1.9	<4.2	<2.7	<0.11	<0.11	<10	<1.0	<0.26	< 0.26	<2.0	ND (11)
1,2-Dichloroethane	0.6	<3.6	<9.0	<1.8	<10	<6.5	<0.26	<0.26	<10	<1.0	<0.22	< 0.22	<2.0	ND (12)
1,1-Dichloroethene	5	<5.6	<14	<2.8	<7.7	<4.8	<0.19	<0.19	<10	<1.0	<0.34	< 0.34	<2.0	ND (12)
cis-1,2-Dichloroethene	5	<4.3	<11	<2.2	<7.5	<4.7	<0.19	<0.19	<10	<1.0	<0.24	< 0.24	<2.0	ND (10)
trans-1,2-Dichloroethene	5	<6.3	<16	<3.1	<8.4	<5.3	<0.21	<0.21	<10	<1.0	<0.38	< 0.38	<2.0	ND (11)
1,2-Dichloropropane	1	<4.3	<11	<2.2	<19	<12	<0.48	<0.48	<10	<1.0	<0.28	< 0.28	<2.0	ND (10)
cis-1,3-Dichloropropene	NS	<4.3	<11	<2.2	<8.3	<5.2	<0.21	<0.21	<10	<1.0	<0.15	< 0.15	<2.0	ND (9.4)
trans-1,3-Dichloropropene	NS	<3.7	<9.3	<1.9	<7.6	<4.7	<0.19	<0.19	<10	<1.0	<0.21	< 0.21	<2.0	ND (8.6)
1,4-Dioxane	NS	<1400	<3600	<720	<3000	<1900	<75	<75	<1300	<130	<73	< 73	<250	ND (390) b
Ethylbenzene	5	<4.2	<11	2.4 J	<9.1	**6.8** J	0.31 J	0.72 J	**8** J	1	0.87 J	2	**8.1**	**131**
Freon 113	NS	<9.8	<25	<4.9	<21	<13	<0.53	<0.53	<50	<5.0	<0.77	< 0.77	<10	ND (12)
2-Hexanone	50	<61	<150	<30	<45	<28	<1.1	<1.1	<50	<5.0	<1.7	< 1.7	<10	ND (41)
Isopropylbenzene	5	<3.9	<9.7	<1.9	<18	<11	<0.45	<0.45	<20	<2.0	0.29 J	< 0.22	1.4 J	**31.1**
Methyl Acetate	NS	<57	<140	<29	<46	<29	<1.2	<1.2	<50	<5.0	<1.5	< 1.5	<10	ND (16)
Methylcyclohexane	NS	<3.7	<9.2	<1.8	<10	<6.6	<0.26	<0.26	<50	<5.0	<0.15	< 0.15	<10	ND (12)
Methyl Tert Butyl Ether	10	<3.7	<9.2	<1.8	<6.6	<4.1	<0.16	<0.16	<10	<1.0	<0.29	< 0.29	<2.0	ND (10)
4-Methyl-2-pentanone(MIBK	NS	<24	<61	<12	<33	<21	<0.83	<0.83	<50	<5.0	<1.5	< 1.5	<10	ND (37)
Methylene chloride	5	<4.0	<10	<2.0	<28	<18	<0.70	<0.70	<20	<2.0	<0.86	< 0.86	<4.0	ND (20)
Styrene	NS	<4.6	<11	<2.3	<8.6	<5.4	<0.21	<0.21	<50	<5.0	<0.30	< 0.30	<10	ND (9.7)
1,1,2,2-Tetrachloroethane	5	<4.0	<10	<2.0	<8.6	<5.4	<0.21	<0.21	<10	<1.0	<0.20	< 0.20	<2.0	ND (13)
Tetrachloroethene	5	<6.4	<16	<3.2	<11	<7.0	<0.28	<0.28	<10	<1.0	<0.25	< 0.25	<2.0	ND (11)
Toluene	5	**9.0** J	<7.3	**7.7** J	<9.1	<5.7	1.3	0.29 J	<10	3.7	<0.44	< 0.44	2.1	**17.7** J
1,2,3-Trichlorobenzene	NS	<14	<34	<6.9	<11	<7.1	<0.28	<0.28	<50	<5.0	<0.24	< 0.24	<10	ND (10)
1,2,4-Trichlorobenzene	5	<3.0	<7.5	<1.5	<8.1	<5.1	<0.20	<0.20	<50	<5.0	<0.22	< 0.22	<10	ND (10)
1,1,1-Trichloroethane	5	<4.7	<12	<2.4	<9.4	<5.9	<0.24	<0.24	<10	<1.0	<0.25	< 0.25	<2.0	ND (11)
1,1,2-Trichloroethane	1	<4.6	<12	<2.3	<11	<7.2	<0.29	<0.29	<10	<1.0	<0.21	< 0.21	<2.0	ND (11)
Trichloroethene	5	<4.2	<11	<2.1	<8.6	<5.4	<0.22	<0.22	<10	<1.0	<0.50	< 0.50	<2.0	ND (11)
Trichlorofluoromethane	5	<7.0	<18	<3.5	<11	<6.7	<0.27	<0.27	<50	<5.0	<0.33	< 0.33	<10	ND (8.0)
Vinyl chloride	2	<5.3	<13	<2.7	<8.3	<5.2	<0.21	<0.21	<10	<1.0	<0.41	< 0.41	<2.0	ND (10)
m,p-Xylene	NS	8.8 J	<16	5.4 J	<17	<11	1.3	<0.42	<10	0.88 J	<0.40	0.78 J	0.97 J	143
o-Xylene	NS	<3.5	<8.7	3.8 J	<9.5	<6.0	1.8	1.2	6.1 J	1.3	1.2	3.2	5.9	**93.2**
Xylene (total	5	**11.9** J	<8.7	**9.2** J	<9.5	**10.9** J	3.1	1.6	**6.1** J	2.2	1.4	4	**6.9**	**236**

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-21S (Treatment Zone Well												
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA85941-3 9/12/2011 Post Treatment Result Q	JA99488-5 2/15/2012 Result Q	JB6090-6 5/9/2012 Result Q	JB14495-13 8/27/2012 Result Q	JB24380-11 12/19/2012 Result Q	JB31021-13 3/11/2013 Result Q	JB39234-5 6/10/2013 Result Q	JB47100-5 9/11/2013 Result Q	JB56101-3 12/19/2013 Result Q	JB62930-5 3/25/2014 Result Q	NOT SAMPLED	JB77273-1 9/22/2014 Result Q	JD54013-7 10/20/2022 Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<380	<380	29.5	<82	<160	<33	<33	**65.4**	<10	<3.3		<20	ND (31)
Benzene	1	**12.8** J	**40.2** J	**22.1**	**37.8**	**40.1** J	**84.8**	**36.3**	**390**	**7.9**	**4.7**		**254**	**263**
Bromochloromethane	NS	<20	<20	<0.40	<7.5	<15	<3.0	<3.0	<25	<5.0	<0.42		<10	ND (4.8)
Bromodichloromethane	50	<11	<11	<0.23	<5.2	<10	<2.1	<2.1	<5.0	<1.0	<0.21		<2.0	ND (4.5)
Bromoform	50	<12	<12	<0.24	<5.4	<11	<2.1	<2.1	<20	<4.0	<0.30		<8.0	ND (6.3)
Bromomethane	5	<16	<16	<0.31	<5.5	<11	<2.2	<2.2	<10	<2.0	<0.56		<4.0	ND (16)
2-Butanone (MEK	50	<150	<150	4.4 J	<59	<120	<24	<24	<50	<10	<3.2		<20	ND (27)
Carbon disulfide	60	<8.9	13.5 J	1.5 J	<4.7	<9.5	8.8 J	8.8 J	55.9	<2.0	1.3 J		3.1 J	8.7 J
Carbon tetrachloride	5	<9.7	<9.7	<0.19	<5.4	<11	<2.2	<2.2	<5.0	<1.0	<0.23		<2.0	ND (5.5)
Chlorobenzene	5	<11	<11	<0.22	<5.7	<11	<2.3	<2.3	<5.0	<1.0	<0.35		<2.0	ND (5.6)
Chloroethane	5	<18	<18	<0.37	<6.6	<13	<2.6	<2.6	<5.0	<1.0	<0.39		<2.0	ND (7.3)
Chloroform	7	<10	<10	<0.21	<5.1	<10	<2.0	<2.0	<5.0	<1.0	<0.25		<2.0	ND (5.0)
Chloromethane	NS	<11	<11	<0.22	<5.2	<10	<2.1	<2.1	<5.0	<1.0	<0.36		<2.0	ND (7.6)
Cyclohexane	NS	<14	<14	<0.29	<8.9	<18	<3.5	<3.5	2.4 J	<5.0	<0.18		<10	10.9 J
1,2-Dibromo-3-chloropropane	0.04	<63	<63	<1.3	<13	<27	<5.4	<5.4	<50	<10	<1.3		<20	ND (5.3)
Dibromochloromethane	50	<10	<10	<0.20	<3.4	<6.8	<1.4	<1.4	<5.0	<1.0	<0.19		<2.0	ND (5.6)
1,2-Dibromoethane	NS	<10	<10	<0.21	<4.9	<9.8	<2.0	<2.0	<10	<2.0	<0.16		<4.0	ND (4.8)
1,2-Dichlorobenzene	3	<9.2	<9.2	<0.18	<5.4	<11	<2.2	<2.2	<5.0	<1.0	<0.20		<2.0	ND (5.3)
1,3-Dichlorobenzene	3	<14	<14	<0.29	<5.6	<11	<2.2	<2.2	<5.0	<1.0	<0.31		<2.0	ND (5.4)
1,4-Dichlorobenzene	3	<13	<13	<0.26	<7.5	<15	<3.0	<3.0	<5.0	<1.0	<0.30		<2.0	ND (5.1)
Dichlorodifluoromethane	NS	<16	<16	<0.31	<6.7	<13	<2.7	<2.7	<25	<5.0	<0.63		<10	ND (5.6)
1,1-Dichloroethane	5	<9.6	<9.6	<0.19	<2.7	<5.3	<1.1	<1.1	<5.0	<1.0	<0.26		<2.0	ND (5.7)
1,2-Dichloroethane	0.6	<9.0	<9.0	<0.18	<6.5	<13	<2.6	<2.6	<5.0	<1.0	<0.22		<2.0	ND (6.0)
1,1-Dichloroethene	5	<14	<14	<0.28	<4.8	<9.6	<1.9	<1.9	<5.0	<1.0	<0.34		<2.0	ND (5.9)
cis-1,2-Dichloroethene	5	<11	<11	0.68 J	<4.7	<9.4	<1.9	<1.9	<5.0	<1.0	<0.24		<2.0	ND (5.1)
trans-1,2-Dichloroethene	5	<16	<16	<0.31	<5.3	<11	<2.1	<2.1	<5.0	<1.0	<0.38		<2.0	ND (5.4)
1,2-Dichloropropane	1	<11	<11	<0.22	<12	<24	<4.8	<4.8	<5.0	<1.0	<0.28		<2.0	ND (5.1)
cis-1,3-Dichloropropene	NS	<11	<11	<0.22	<5.2	<10	<2.1	<2.1	<5.0	<1.0	<0.15		<2.0	ND (4.7)
trans-1,3-Dichloropropene	NS	<9.3	<9.3	<0.19	<4.7	<9.5	<1.9	<1.9	<5.0	<1.0	<0.21		<2.0	ND (4.3)
1,4-Dioxane	NS	<3600	<3600	<72	<1900	<3700	<750	<750	<630	<130	<73		<250	ND (190) a
Ethylbenzene	5	**11.2** J	**12.9** J	**10.3**	**16.3** J	<11	**21.9**	**31.8**	**197**	3.3	**7.2**		**19.9**	**802**
Freon 113	NS	<25	<25	<0.49	<13	<27	<5.3	<5.3	<25	<5.0	<0.77		<10	ND (5.8)
2-Hexanone	50	<150	<150	<3.0	<28	<57	<11	<11	<25	<5.0	<1.7		<10	ND (20) a
Isopropylbenzene	5	<9.7	<9.7	2.6	<11	<22	<4.5	<4.5	**12.5**	1.1 J	1.6 J		1.7 J	**29**
Methyl Acetate	NS	<140	<140	<2.9	<29	<58	<12	<12	<25	<5.0	<1.5		<10	ND (8.0) a
Methylcyclohexane	NS	<9.2	<9.2	1.2 J	<6.6	<13	<2.6	<2.6	3.7 J	2 J	0.68 J		0.66 J	10.6 J
Methyl Tert Butyl Ether	10	<9.2	<9.2	<0.18	<4.1	<8.2	<1.6	<1.6	<5.0	<1.0	<0.29		<2.0	ND (5.1)
4-Methyl-2-pentanone(MIBK	NS	<61	<61	<1.2	<21	<41	<8.3	<8.3	<25	<5.0	<1.5		<10	ND (19) a
Methylene chloride	5	<10	<10	<0.20	<18	<35	<7.0	<7.0	<10	<2.0	<0.86		<4.0	ND (10)
Styrene	NS	<11	<11	<0.23	<5.4	<11	<2.1	<2.1	<25	<5.0	<0.30		<10	**154**
1,1,2,2-Tetrachloroethane	5	<10	<10	<0.20	<5.4	<11	<2.1	<2.1	<5.0	<1.0	<0.20		<2.0	ND (6.5)
Tetrachloroethene	5	<16	<16	1.1	<7.0	<14	<2.8	<2.8	<5.0	0.31 J	<0.25		<2.0	ND (5.6)
Toluene	5	**21.0** J	**16.6** J	**10.9**	**11.8** J	**13.7** J	**18.6**	**13.1**	**92.8**	2	**5.6**		4.1	**895**
1,2,3-Trichlorobenzene	NS	<34	<34	<0.69	<7.1	<14	<2.8	<2.8	<25	<5.0	<0.24		<10	ND (5.0)
1,2,4-Trichlorobenzene	5	<7.5	<7.5	<0.15	<5.1	<10	<2.0	<2.0	<25	<5.0	<0.22		<10	ND (5.0)
1,1,1-Trichloroethane	5	<12	<12	<0.24	<5.9	<12	<2.4	<2.4	<5.0	<1.0	<0.25		<2.0	ND (5.4)
1,1,2-Trichloroethane	1	<12	<12	<0.23	<7.2	<14	<2.9	<2.9	<5.0	<1.0	<0.21		<2.0	ND (5.3)
Trichloroethene	5	<11	<11	0.76 J	<5.4	<11	<2.2	<2.2	<5.0	<1.0	<0.50		<2.0	ND (5.3)
Trichlorofluoromethane	5	<18	<18	<0.35	<6.7	<13	<2.7	<2.7	<25	<5.0	<0.33		<10	ND (4.0)
Vinyl chloride	2	<13	<13	<0.27	<5.2	<10	<2.1	<2.1	<5.0	<1.0	<0.41		<2.0	ND (5.2)
m,p-Xylene	NS	41.3 J	38.1 J	25.9	30.3	<21	43.3	54.3	370	4.6	8.2		13.5	2580
o-Xylene	NS	17.1 J	16.5 J	16.7	17.5 J	<12	21.8	30.8	170	3.5	5.5		9.3	**1030**
Xylene (total	5	**58.4**	**54.5**	**42.6**	**47.8**	**29.9** J	**65.1**	**85.1**	**540**	**8.1**	**13.6**		**22.8**	**3620**

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-22D												NOT SAMPLED
		JA86022-3 9/13/2011 Post Treatment Result Q	JA99488-6 2/15/2012 Result Q	JB6090-2 5/9/2012 Result Q	JB14495-14 8/27/2012 Result Q	JB24251-11 12/18/2012 Result Q	JB31021-14 3/11/2013 Result Q	JB39020-10 6/6/2013 Result Q	JB46946-10 9/10/2013 Result Q	JB55981-12 12/18/2013 Result Q	JB62825-10 3/24/2014 Result Q	JB62825-10 6/24/2014 Result Q	JB77273-3 9/22/2014 Result Q	
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<190	<380	<50	<130	<160	10.2	<66	<200	<200	<67	< 33	<100	
Benzene	1	**4350**	**4560**	**3870**	**4770**	**4370**	**3900**	**4540**	**3870**	**3450**	**3780**	**3820**	**3570**	
Bromochloromethane	NS	<9.9	<20	<4.0	<12	<15	<0.30	<6.0	<100	<100	<8.3	< 4.2	<50	
Bromodichloromethane	50	<5.7	<11	<2.3	<8.3	<10	<0.21	<4.1	<20	<20	<4.2	< 2.1	<10	
Bromoform	50	<6.1	<12	<2.4	<8.6	<11	<0.21	<4.3	<80	<80	<6.0	< 3.0	<40	
Bromomethane	5	<7.9	<16	<3.1	<8.8	<11	<0.22	<4.4	<40	<40	<11	< 5.6	<20	
2-Butanone (MEK	50	<73	<150	<29	<94	<120	<2.4	<47	<200	<200	<64	< 32	<100	
Carbon disulfide	60	<4.5	<8.9	<1.8	<7.6	<9.5	1.9 J	<3.8	<40	<40	<3.6	< 1.8	<20	
Carbon tetrachloride	5	<4.9	<9.7	<1.9	<8.7	<11	<0.22	<4.3	<20	<20	<4.5	< 2.3	<10	
Chlorobenzene	5	<5.6	<11	<2.2	<9.2	<11	1.7	<4.6	<20	<20	<6.9	< 3.5	<10	
Chloroethane	5	<9.2	<18	<3.7	<10	<13	<0.26	<5.2	<20	<20	<7.8	< 3.9	<10	
Chloroform	7	<5.2	<10	<2.1	<8.1	<10	<0.20	<4.1	<20	<20	<4.9	< 2.5	<10	
Chloromethane	NS	<5.5	<11	<2.2	<8.2	<10	<0.21	<4.1	<20	<20	<7.3	< 3.6	<10	
Cyclohexane	NS	9.2 J	<14	8.3 J	<14	<18	10.7	8.8 J	<100	11 J	10.2 J	9.7 J	8.3 J	
1,2-Dibromo-3-chloropropane	0.04	<32	<63	<13	<22	<27	<0.54	<11	<200	<200	<25	< 13	<100	
Dibromochloromethane	50	<5.1	<10	<2.0	<5.4	<6.8	<0.14	<2.7	<20	<20	<3.8	< 1.9	<10	
1,2-Dibromoethane	NS	<5.2	<10	<2.1	<7.8	<9.8	<0.20	<3.9	<40	<40	<3.2	< 1.6	<20	
1,2-Dichlorobenzene	3	<4.6	<9.2	<1.8	<8.7	<11	<0.22	<4.3	<20	<20	<4.1	< 2.0	<10	
1,3-Dichlorobenzene	3	<7.2	<14	<2.9	<9.0	<11	<0.22	<4.5	<20	<20	<6.3	< 3.1	<10	
1,4-Dichlorobenzene	3	<6.4	<13	<2.6	<12	<15	<0.30	<6.0	<20	<20	<6.0	< 3.0	<10	
Dichlorodifluoromethane	NS	<7.8	<16	<3.1	<11	<13	<0.27	<5.4	<100	<100	<13	< 6.3	<50	
1,1-Dichloroethane	5	<4.8	<9.6	<1.9	<4.2	<5.3	<0.11	<2.1	<20	<20	<5.2	< 2.6	<10	
1,2-Dichloroethane	0.6	<4.5	<9.0	<1.8	<10	<13	<0.26	<5.2	<20	<20	<4.4	< 2.2	<10	
1,1-Dichloroethene	5	<7.0	<14	<2.8	<7.7	<9.6	<0.19	<3.8	<20	<20	<6.9	< 3.4	<10	
cis-1,2-Dichloroethene	5	<5.4	<11	<2.2	<7.5	<9.4	<0.19	<3.8	<20	<20	<4.8	< 2.4	<10	
trans-1,2-Dichloroethene	5	<7.8	<16	<3.1	<8.4	<11	<0.21	<4.2	<20	<20	<7.6	< 3.8	<10	
1,2-Dichloropropane	1	<5.4	<11	<2.2	<19	<24	<0.48	<9.7	<20	<20	<5.6	< 2.8	<10	
cis-1,3-Dichloropropene	NS	<5.4	<11	<2.2	<8.3	<10	<0.21	<4.1	<20	<20	<3.0	< 1.5	<10	
trans-1,3-Dichloropropene	NS	<4.6	<9.3	<1.9	<7.6	<9.5	<0.19	<3.8	<20	<20	<4.1	< 2.1	<10	
1,4-Dioxane	NS	<1800	<3600	<720	<3000	<3700	<75	<1500	<2500	<2500	<1500	< 730	<1300	
Ethylbenzene	5	**2160**	**2370**	**1340**	**1910**	**2000**	**1470**	**1840**	**1500**	**1670**	**11.3** J	**1290**	**1360**	
Freon 113	NS	<12	<25	<4.9	<21	<27	<0.53	<11	<100	<100	<15	< 7.7	<50	
2-Hexanone	50	<76	<150	<30	<45	<57	<1.1	<23	<100	<100	<34	< 17	<50	
Isopropylbenzene	5	**101**	**120**	**73.2**	**85.5**	**103**	**109**	**99.5**	**80.8**	**95.4**	<4.5	**57**	**70.7**	
Methyl Acetate	NS	<72	<140	<29	<46	<58	<1.2	<23	<100	<100	<30	< 15	<50	
Methylcyclohexane	NS	6.9 J	<9.2	7.5 J	<10	<13	8.6	7.6 J	5.8 J	9.6 J	8.6 J	6.5 J	5.6 J	
Methyl Tert Butyl Ether	10	<4.6	<9.2	<1.8	<6.6	<8.2	0.87 J	<3.3	<20	<20	<5.7	< 2.9	<10	
4-Methyl-2-pentanone(MIBK	NS	<30	<61	<12	<33	<41	<0.83	<17	<100	<100	<30	< 15	<50	
Methylene chloride	5	<5.1	<10	<2.0	<28	<35	<0.70	<14	<40	<40	<17	< 8.6	<20	
Styrene	NS	<5.7	<11	<2.3	<8.6	<11	<0.21	<4.3	<100	<100	<6.0	< 3.0	<50	
1,1,2,2-Tetrachloroethane	5	<5.0	<10	<2.0	<8.6	<11	<0.21	<4.3	<20	<20	<3.9	< 2.0	<10	
Tetrachloroethene	5	<8.0	<16	<3.2	<11	<14	<0.28	<5.6	<20	<20	<5.0	< 2.5	<10	
Toluene	5	**305**	**238**	**125**	**139**	**91.1**	**87.4**	**118**	**69.9**	**56.3**	**43.2**	**64.9**	**34.5**	
1,2,3-Trichlorobenzene	NS	<17	<34	<6.9	<11	<14	<0.28	<5.6	<100	<100	<4.9	< 2.4	<50	
1,2,4-Trichlorobenzene	5	<3.7	<7.5	<1.5	<8.1	<10	<0.20	<4.1	<100	<100	<4.3	< 2.2	<50	
1,1,1-Trichloroethane	5	<5.9	<12	<2.4	<9.4	<12	<0.24	<4.7	<20	<20	<5.0	< 2.5	<10	
1,1,2-Trichloroethane	1	<5.8	<12	<2.3	<11	<14	<0.29	<5.7	<20	<20	<4.2	< 2.1	<10	
Trichloroethene	5	<5.3	<11	<2.1	<8.6	<11	<0.22	<4.3	<20	<20	<10	< 5.0	<10	
Trichlorofluoromethane	5	<8.8	<18	<3.5	<11	<13	<0.27	<5.3	<100	<100	<6.7	< 3.3	<50	
Vinyl chloride	2	<6.7	<13	<2.7	<8.3	<10	<0.21	<4.1	<20	<20	<8.3	< 4.1	<10	
m,p-Xylene	NS	3730	3540	1650	1790	1650	1250	1310	889	758	610	632	430	
o-Xylene	NS	988	936	369	291	187	178	229	126	72.3	66.7	**67.9**	41.1	
Xylene (total	5	**4720**	**4480**	**2020**	**2090**	**1830**	**1430**	**1540**	**1020**	**830**	**677**	**700**	**471**	

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-23S (Treatment Zone Well												
Lab Sample ID	**Class GA**	**JA86145-3**	**JA99361-10**	**JB6090-8**	**JB14495-15**	**JB24251-12**	**JB31021-15**	**JB39020-11**	**JB47100-6**	**JB56101-4**	**JB62930-6**	**NOT SAMPLED**	**NOT SAMPLED**	**NOT SAMPLED**
Date Sampled	**Ambient Water Quality Standards and Guidance Values**	**9/14/2011 Post Treatment**	**2/14/2012**	**5/9/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/11/2013**	**12/19/2013**	**3/25/2014**			
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<190	<15	15.2	7.8 J	<8.2	<3.3	<3.3	<50	<25	<3.3			
Benzene	1	<5.5	0.71 J	0.85 J	**1.1**	0.78 J	**1.2**	0.51 J	**17.6**	**1.2** J	<0.28			
Bromochloromethane	NS	<9.9	<0.79	<0.40	<0.30	<0.75	<0.30	<0.30	<25	<13	<0.42			
Bromodichloromethane	50	<5.7	<0.46	<0.23	<0.21	<0.52	<0.21	<0.21	<5.0	<2.5	<0.21			
Bromoform	50	<6.1	<0.49	<0.24	<0.21	<0.54	<0.21	<0.21	<20	<10	<0.30			
Bromomethane	5	<7.9	<0.63	<0.31	<0.22	<0.55	<0.22	<0.22	<10	<5.0	<0.56			
2-Butanone (MEK	50	<73	<5.8	<2.9	<2.4	<5.9	<2.4	<2.4	<50	<25	<3.2			
Carbon disulfide	60	30.8 J	14.6	9.7	6.5	<0.47	15.2	3.6	25.5	<5.0	<0.18			
Carbon tetrachloride	5	<4.9	<0.39	<0.19	<0.22	<0.54	<0.22	<0.22	<5.0	<2.5	<0.23			
Chlorobenzene	5	<5.6	<0.45	<0.22	<0.23	<0.57	<0.23	<0.23	<5.0	<2.5	<0.35			
Chloroethane	5	<9.2	<0.73	<0.37	<0.26	<0.66	<0.26	<0.26	<5.0	<2.5	<0.39			
Chloroform	7	<5.2	<0.41	<0.21	<0.20	<0.51	<0.20	<0.20	<5.0	<2.5	<0.25			
Chloromethane	NS	<5.5	<0.44	<0.22	<0.21	<0.52	<0.21	<0.21	<5.0	<2.5	<0.36			
Cyclohexane	NS	<7.2	<0.57	<0.29	<0.35	<0.89	0.86 J	0.41 J	3.6 J	<13	<0.18			
1,2-Dibromo-3-chloropropane	0.04	<32	<2.5	<1.3	<0.54	<1.3	<0.54	<0.54	<50	<25	<1.3			
Dibromochloromethane	50	<5.1	<0.41	<0.20	<0.14	<0.34	<0.14	<0.14	<5.0	<2.5	<0.19			
1,2-Dibromoethane	NS	<5.2	<0.42	<0.21	<0.20	<0.49	<0.20	<0.20	<10	<5.0	<0.16			
1,2-Dichlorobenzene	3	<4.6	<0.37	<0.18	<0.22	<0.54	<0.22	<0.22	<5.0	<2.5	<0.20			
1,3-Dichlorobenzene	3	<7.2	<0.57	<0.29	<0.22	<0.56	<0.22	<0.22	<5.0	<2.5	<0.31			
1,4-Dichlorobenzene	3	<6.4	<0.51	<0.26	<0.30	<0.75	<0.30	<0.30	<5.0	<2.5	<0.30			
Dichlorodifluoromethane	NS	<7.8	<0.62	<0.31	<0.27	<0.67	<0.27	<0.27	<25	<13	<0.63			
1,1-Dichloroethane	5	<4.8	<0.38	<0.19	<0.11	<0.27	<0.11	<0.11	<5.0	<2.5	<0.26			
1,2-Dichloroethane	0.6	<4.5	<0.36	<0.18	<0.26	<0.65	<0.26	<0.26	<5.0	<2.5	<0.22			
1,1-Dichloroethene	5	<7.0	<0.56	<0.28	<0.19	<0.48	<0.19	<0.19	<5.0	<2.5	<0.34			
cis-1,2-Dichloroethene	5	<5.4	<0.43	<0.22	<0.19	<0.47	<0.19	<0.19	<5.0	<2.5	<0.24			
trans-1,2-Dichloroethene	5	<7.8	<0.63	<0.31	<0.21	<0.53	<0.21	<0.21	<5.0	<2.5	<0.38			
1,2-Dichloropropane	1	<5.4	<0.43	<0.22	<0.48	<1.2	<0.48	<0.48	<5.0	<2.5	<0.28			
cis-1,3-Dichloropropene	NS	<5.4	<0.43	<0.22	<0.21	<0.52	<0.21	<0.21	<5.0	<2.5	<0.15			
trans-1,3-Dichloropropene	NS	<4.6	<0.37	<0.19	<0.19	<0.47	<0.19	<0.19	<5.0	<2.5	<0.21			
1,4-Dioxane	NS	<1800	<140	<72	<75	<190	<75	<75	<630	<310	<73			
Ethylbenzene	5	**44.7**	**29.3**	**31.3**	**30.9**	**6.0**	<0.23	**20.8**	**338**	**47.6**	<0.21			
Freon 113	NS	<12	<0.98	<0.49	<0.53	<1.3	<0.53	<0.53	<25	<13	<0.77			
2-Hexanone	50	<76	<6.1	<3.0	<1.1	<2.8	<1.1	<1.1	<25	<13	<1.7			
Isopropylbenzene	5	**7.2** J	**5.2**	**6.6**	**5.9**	2.5 J	<0.45	2.0	**30**	**8.3**	<0.22			
Methyl Acetate	NS	<72	<5.7	<2.9	<1.2	<2.9	<1.2	<1.2	<25	<13	<1.5			
Methylcyclohexane	NS	<4.6	1.4 J	2.4 J	2.2 J	0.84 J	1.9 J	1.2 J	5.8 J	2.2 J	<0.15			
Methyl Tert Butyl Ether	10	<4.6	<0.37	<0.18	<0.16	<0.41	<0.16	<0.16	<5.0	<2.5	<0.29			
4-Methyl-2-pentanone(MIBK	NS	<30	<2.4	<1.2	<0.83	<2.1	<0.83	<0.83	<25	<13	<1.5			
Methylene chloride	5	<5.1	<0.40	<0.20	<0.70	<1.8	<0.70	<0.70	<10	<5.0	<0.86			
Styrene	NS	<5.7	<0.46	<0.23	<0.21	<0.54	<0.21	<0.21	<25	<13	<0.30			
1,1,2,2-Tetrachloroethane	5	<5.0	<0.40	<0.20	<0.21	<0.54	<0.21	<0.21	<5.0	<2.5	<0.20			
Tetrachloroethene	5	<8.0	<0.64	<0.32	<0.28	<0.70	<0.28	<0.28	<5.0	<2.5	<0.25			
Toluene	5	<3.6	0.75 J	0.87 J	1.1	0.58 J	<0.23	0.24 J	2.5 J	<2.5	<0.44			
1,2,3-Trichlorobenzene	NS	<17	<1.4	<0.69	<0.28	<0.71	<0.28	<0.28	<25	<13	<0.24			
1,2,4-Trichlorobenzene	5	<3.7	<0.30	<0.15	<0.20	<0.51	<0.20	<0.20	<25	<13	<0.22			
1,1,1-Trichloroethane	5	<5.9	<0.47	<0.24	<0.24	<0.59	<0.24	<0.24	<5.0	<2.5	<0.25			
1,1,2-Trichloroethane	1	<5.8	<0.46	<0.23	<0.29	<0.72	<0.29	<0.29	<5.0	<2.5	<0.21			
Trichloroethene	5	<5.3	<0.42	<0.21	<0.22	<0.54	<0.22	<0.22	<5.0	<2.5	<0.50			
Trichlorofluoromethane	5	<8.8	<0.70	<0.35	<0.27	<0.67	<0.27	<0.27	<25	<13	<0.33			
Vinyl chloride	2	<6.7	<0.53	<0.27	<0.21	<0.52	<0.21	<0.21	<5.0	<2.5	<0.41			
m,p-Xylene	NS	26.2	11.0	12.6	5.5	5.4	17.4	15.0	117	18.1	<0.40			
o-Xylene	NS	17.9 J	11.8	14.2	13.3	9.0	18.9	8.4	53.2	15.3	0.62 J			
Xylene (total	5	**44.1**	**22.7**	**26.8**	**18.8**	**14.5**	**36.3**	**23.5**	**170**	**33.4**	0.86 J			

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-24(D)												
		NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	JB24380-2 12/19/2012	JB31339-3 3/13/2013	JB39020-13 6/6/2013	JB46946-11 9/10/2013	JB56101-6 12/19/2013	JB62825-12 3/24/2014	NOT SAMPLED	NOT SAMPLED	JD54013-12 10/20/2022
						Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50					<3.3	<3.3	<3.3	<10	<10	18.9			ND (3.1) b
Benzene	1					**18.7**	**22.0**	**40.8**	**12.6**	**23.7**	**14.8**			**7.8**
Bromochloromethane	NS					<0.30	<0.30	<0.30	<5.0	<5.0	<0.42			ND (0.48)
Bromodichloromethane	50					<0.21	<0.21	<0.21	<1.0	<1.0	<0.21			ND (0.45)
Bromoform	50					<0.21	<0.21	<0.21	<4.0	<4.0	<0.30			ND (0.63)
Bromomethane	5					<0.22	<0.22	<0.22	<2.0	<2.0	<0.56			ND (1.6)
2-Butanone (MEK	50					<2.4	<2.4	<2.4	<10	<10	<3.2			ND (2.7) b
Carbon disulfide	60					<0.19	0.45 J	<0.19	0.22 J	0.3 J	<0.18			ND (0.46)
Carbon tetrachloride	5					<0.22	<0.22	<0.22	<1.0	<1.0	<0.23			ND (0.55)
Chlorobenzene	5					<0.23	<0.23	<0.23	<1.0	<1.0	<0.35			ND (0.56)
Chloroethane	5					<0.26	<0.26	<0.26	<1.0	<1.0	<0.39			ND (0.73)
Chloroform	7					<0.20	<0.20	<0.20	<1.0	<1.0	<0.25			ND (0.50)
Chloromethane	NS					<0.21	<0.21	<0.21	<1.0	<1.0	<0.36			ND (0.76) b
Cyclohexane	NS					<0.35	<0.35	<0.35	<5.0	0.22 J	<0.18			ND (0.78)
1,2-Dibromo-3-chloropropane	0.04					<0.54	<0.54	<0.54	<10	<10	<1.3			ND (0.53)
Dibromochloromethane	50					<0.14	<0.14	<0.14	<1.0	<1.0	<0.19			ND (0.56)
1,2-Dibromoethane	NS					<0.20	<0.20	<0.20	<2.0	<2.0	<0.16			ND (0.48)
1,2-Dichlorobenzene	3					<0.22	<0.22	<0.22	<1.0	<1.0	<0.20			ND (0.53)
1,3-Dichlorobenzene	3					<0.22	<0.22	<0.22	<1.0	<1.0	<0.31			ND (0.54)
1,4-Dichlorobenzene	3					<0.30	<0.30	<0.30	<1.0	<1.0	<0.30			ND (0.51)
Dichlorodifluoromethane	NS					<0.27	<0.27	<0.27	<5.0	<5.0	<0.63			ND (0.56)
1,1-Dichloroethane	5					<0.11	<0.11	<0.11	<1.0	<1.0	<0.26			ND (0.57)
1,2-Dichloroethane	0.6					<0.26	<0.26	<0.26	<1.0	<1.0	<0.22			ND (0.60) b
1,1-Dichloroethene	5					<0.19	<0.19	<0.19	<1.0	<1.0	<0.34			ND (0.59)
cis-1,2-Dichloroethene	5					<0.19	<0.19	<0.19	<1.0	<1.0	<0.24			ND (0.51)
trans-1,2-Dichloroethene	5					<0.21	<0.21	<0.21	<1.0	<1.0	<0.38			ND (0.54)
1,2-Dichloropropane	1					<0.48	<0.48	<0.48	<1.0	<1.0	<0.28			ND (0.51)
cis-1,3-Dichloropropene	NS					<0.21	<0.21	<0.21	<1.0	<1.0	<0.15			ND (0.47)
trans-1,3-Dichloropropene	NS					<0.19	<0.19	<0.19	<1.0	<1.0	<0.21			ND (0.43)
1,4-Dioxane	NS					<75	<75	<75	<130	<130	<73			ND (19)
Ethylbenzene	5					**13.7**	3.3	**28.1**	**7.4**	**16.5**	**8.3**			1.1
Freon 113	NS					<0.53	<0.53	<0.53	<5.0	<5.0	<0.77			ND (0.58)
2-Hexanone	50					<1.1	<1.1	<1.1	<5.0	<5.0	<1.7			ND (2.0)
Isopropylbenzene	5					2.1	1.1 J	3.8	1.6 J	2.6	1.7 J			0.79 J
Methyl Acetate	NS					<1.2	<1.2	<1.2	<5.0	<5.0	<1.5			ND (0.80)
Methylcyclohexane	NS					0.46 J	0.69 J	<0.26	<5.0	0.5 J	<0.15			ND (0.60)
Methyl Tert Butyl Ether	10					<0.16	0.26 J	<0.16	<1.0	<1.0	<0.29			ND (0.51)
4-Methyl-2-pentanone(MIBK	NS					<0.83	<0.83	<0.83	<5.0	<5.0	<1.5			ND (1.9)
Methylene chloride	5					<0.70	<0.70	<0.70	<2.0	<2.0	<0.86			ND (1.0)
Styrene	NS					<0.21	<0.21	<0.21	<5.0	<5.0	<0.30			ND (0.49)
1,1,2,2-Tetrachloroethane	5					<0.21	<0.21	<0.21	<1.0	<1.0	<0.20			ND (0.65)
Tetrachloroethene	5					<0.28	<0.28	<0.28	<1.0	<1.0	<0.25			ND (0.56)
Toluene	5					1.1	0.40 J	1.0	0.48 J	0.6 J	<0.44			ND (0.49)
1,2,3-Trichlorobenzene	NS					<0.28	<0.28	<0.28	<5.0	<5.0	<0.24			ND (0.50)
1,2,4-Trichlorobenzene	5					<0.20	<0.20	<0.20	<5.0	<5.0	<0.22			ND (0.50)
1,1,1-Trichloroethane	5					<0.24	<0.24	<0.24	<1.0	<1.0	<0.25			ND (0.54)
1,1,2-Trichloroethane	1					<0.29	<0.29	<0.29	<1.0	<1.0	<0.21			ND (0.53)
Trichloroethene	5					<0.22	<0.22	<0.22	<1.0	<1.0	<0.50			ND (0.53)
Trichlorofluoromethane	5					<0.27	<0.27	<0.27	<5.0	<5.0	<0.33			ND (0.40)
Vinyl chloride	2					<0.21	<0.21	<0.21	<1.0	<1.0	<0.41			ND (0.52) b
m,p-Xylene	NS					8.3	3.4	11.7	2.3	4.4	1.9			ND (0.78)
o-Xylene	NS					5.4	3.4	11.9	2.1	4.9	1.7			ND (0.59)
Xylene (total	5					**13.7**	**6.8**	**23.7**	4.4	**9.3**	3.5			ND (0.59)

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-24(S)												
		NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	JB24380-1 12/19/2012	JB31339-2 3/13/2013	JB39020-12 6/6/2013	JB46946-12 9/10/2013	JB56101-5 12/19/2013	JB62825-11 3/24/2014	NOT SAMPLED	NOT SAMPLED	JD54013-15 10/21/2022
						Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50					<3.3	<3.3	<3.3	<10	<20	<3.3			ND (3.1) a
Benzene	1					**9.5**	**10.2**	**5.2**	**5.5**	**3.4**	**2.7**			ND (0.43)
Bromochloromethane	NS					<0.30	<0.30	<0.30	<5.0	<10	<0.42			ND (0.48)
Bromodichloromethane	50					<0.21	<0.21	<0.21	<1.0	<2.0	<0.21			ND (0.45)
Bromoform	50					<0.21	<0.21	<0.21	<4.0	<8.0	<0.30			ND (0.63)
Bromomethane	5					<0.22	<0.22	<0.22	<2.0	<4.0	<0.56			ND (1.6)
2-Butanone (MEK	50					<2.4	<2.4	<2.4	<10	<20	<3.2			ND (2.7)
Carbon disulfide	60					<0.19	0.46 J	<0.19	0.23 J	<4.0	0.29 J			ND (0.46)
Carbon tetrachloride	5					<0.22	<0.22	<0.22	<1.0	<2.0	<0.23			ND (0.55)
Chlorobenzene	5					<0.23	<0.23	<0.23	<1.0	<2.0	<0.35			ND (0.56)
Chloroethane	5					<0.26	<0.26	<0.26	<1.0	<2.0	<0.39			ND (0.73)
Chloroform	7					<0.20	<0.20	<0.20	<1.0	<2.0	<0.25			ND (0.50)
Chloromethane	NS					<0.21	<0.21	<0.21	<1.0	<2.0	<0.36			ND (0.76)
Cyclohexane	NS					<0.35	<0.35	<0.35	<5.0	<10	<0.18			ND (0.78)
1,2-Dibromo-3-chloropropane	0.04					<0.54	<0.54	<0.54	<10	<20	<1.3			ND (0.53)
Dibromochloromethane	50					<0.14	<0.14	<0.14	<1.0	<2.0	<0.19			ND (0.56)
1,2-Dibromoethane	NS					<0.20	<0.20	<0.20	<2.0	<4.0	<0.16			ND (0.48)
1,2-Dichlorobenzene	3					<0.22	<0.22	<0.22	<1.0	<2.0	<0.20			ND (0.53)
1,3-Dichlorobenzene	3					<0.22	<0.22	<0.22	<1.0	<2.0	<0.31			ND (0.54)
1,4-Dichlorobenzene	3					<0.30	<0.30	<0.30	<1.0	<2.0	<0.30			ND (0.51)
Dichlorodifluoromethane	NS					<0.27	<0.27	<0.27	<5.0	<10	<0.63			ND (0.56) b
1,1-Dichloroethane	5					<0.11	<0.11	<0.11	<1.0	<2.0	<0.26			ND (0.57)
1,2-Dichloroethane	0.6					<0.26	<0.26	<0.26	<1.0	<2.0	<0.22			ND (0.60)
1,1-Dichloroethene	5					<0.19	<0.19	<0.19	<1.0	<2.0	<0.34			ND (0.59) b
cis-1,2-Dichloroethene	5					<0.19	<0.19	<0.19	<1.0	<2.0	<0.24			ND (0.51)
trans-1,2-Dichloroethene	5					<0.21	<0.21	<0.21	<1.0	<2.0	<0.38			ND (0.54)
1,2-Dichloropropane	1					<0.48	<0.48	<0.48	<1.0	<2.0	<0.28			ND (0.51)
cis-1,3-Dichloropropene	NS					<0.21	<0.21	<0.21	<1.0	<2.0	<0.15			ND (0.47)
trans-1,3-Dichloropropene	NS					<0.19	<0.19	<0.19	<1.0	<2.0	<0.21			ND (0.43)
1,4-Dioxane	NS					<75	<75	<75	<130	<250	<73			ND (19)
Ethylbenzene	5					**18.6**	**17.9**	**14.5**	**13.3**	**10.4**	**6.7**			ND (0.60)
Freon 113	NS					<0.53	<0.53	<0.53	<5.0	<10	<0.77			ND (0.58)
2-Hexanone	50					<1.1	<1.1	<1.1	<5.0	<10	<1.7			ND (2.0)
Isopropylbenzene	5					3.2	3.7	2.9	2.7	2.3 J	1.9 J			ND (0.65)
Methyl Acetate	NS					<1.2	<1.2	<1.2	<5.0	<10	<1.5			ND (0.80)
Methylcyclohexane	NS					0.77 J	0.79 J	<0.26	0.4 J	0.48 J	<0.15			ND (0.60)
Methyl Tert Butyl Ether	10					<0.16	0.33 J	<0.16	<1.0	<2.0	<0.29			ND (0.51)
4-Methyl-2-pentanone(MIBK	NS					<0.83	<0.83	<0.83	<5.0	<10	<1.5			ND (1.9)
Methylene chloride	5					<0.70	<0.70	<0.70	<2.0	<4.0	<0.86			ND (1.0)
Styrene	NS					<0.21	<0.21	<0.21	<5.0	<10	<0.30			ND (0.49)
1,1,2,2-Tetrachloroethane	5					<0.21	<0.21	<0.21	<1.0	<2.0	<0.20			ND (0.65)
Tetrachloroethene	5					<0.28	<0.28	<0.28	<1.0	<2.0	<0.25			ND (0.56)
Toluene	5					0.89 J	0.70 J	0.43 J	1.1	1.1 J	<0.44			ND (0.49)
1,2,3-Trichlorobenzene	NS					<0.28	<0.28	<0.28	<5.0	<10	<0.24			ND (0.50)
1,2,4-Trichlorobenzene	5					<0.20	<0.20	<0.20	<5.0	<10	<0.22			ND (0.50)
1,1,1-Trichloroethane	5					<0.24	<0.24	<0.24	<1.0	<2.0	<0.25			ND (0.54)
1,1,2-Trichloroethane	1					<0.29	<0.29	<0.29	<1.0	<2.0	<0.21			ND (0.53)
Trichloroethene	5					<0.22	<0.22	<0.22	<1.0	<2.0	<0.50			ND (0.53)
Trichlorofluoromethane	5					<0.27	<0.27	<0.27	<5.0	<10	<0.33			ND (0.40)
Vinyl chloride	2					<0.21	<0.21	<0.21	<1.0	<2.0	<0.41			ND (0.52)
m,p-Xylene	NS					11.4	10.6	7.6	5.7	6.2	2.1			ND (0.78)
o-Xylene	NS					7.2	7.7	6.4	4.1	4.3	1.3			ND (0.59) b
Xylene (total	5					**18.6**	**18.3**	**14.0**	**9.8**	**10.4**	3.4			ND (0.59) h

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to c
[c] Associated CCV outside of control limits high. Estimated value, due to correspondi
[d] Associated CCV outside of control limits low. Low-level verification was analyzed t
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-25(D) JA86298-3 9/15/2011 Post Treatment Result Q	JA99600-2 2/16/2012 Result Q	JB5987-3 5/8/2012 Result Q	JB14495-22 8/28/2012 Result Q	JB24380-4 12/19/2012 Result Q	JB31339-5 3/13/2013 Result Q	JB39020-15 6/6/2013 Result Q	JB47100-7 9/11/2013 Result Q	JB55981-14 12/18/2013 Result Q	JB62825-14 3/24/2014 Result Q	NOT SAMPLED	NOT SAMPLED	JD54013-17 10/21/2022 Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<38	<15	<25	<3.3	<3.3	3.9 J	<3.3	<10	<10	<3.3			ND (3.1) a
Benzene	1	**12.5**	**9.0**	**6.1**	**7.1**	**1.2**	**1.1**	**1.6**	0.82 J	<1.0	0.46 J			ND (0.43)
Bromochloromethane	NS	<2.0	<0.79	<2.0	<0.30	<0.30	<0.30	<0.30	<5.0	<5.0	<0.42			ND (0.48)
Bromodichloromethane	50	<1.1	<0.46	<1.1	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.21			ND (0.45)
Bromoform	50	<1.2	<0.49	<1.2	<0.21	<0.21	<0.21	<0.21	<4.0	<4.0	<0.30			ND (0.63)
Bromomethane	5	<1.6	<0.63	<1.6	<0.22	<0.22	<0.22	<0.22	<2.0	<2.0	<0.56			ND (1.6)
2-Butanone (MEK	50	<15	<5.8	<15	<2.4	<2.4	<2.4	<2.4	<10	<10	<3.2			ND (2.7)
Carbon disulfide	60	3.9 J	1.2 J	<0.89	0.40 J	<0.19	<0.19	0.72 J	0.71 J	<2.0	<0.18			ND (0.46)
Carbon tetrachloride	5	<0.97	<0.39	<0.97	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.23			ND (0.55)
Chlorobenzene	5	<1.1	<0.45	<1.1	<0.23	<0.23	<0.23	<0.23	<1.0	<1.0	<0.35			ND (0.56)
Chloroethane	5	<1.8	<0.73	<1.8	<0.26	<0.26	<0.26	<0.26	<1.0	<1.0	<0.39			ND (0.73)
Chloroform	7	<1.0	<0.41	<1.0	<0.20	<0.20	<0.20	<0.20	<1.0	<1.0	<0.25			ND (0.50)
Chloromethane	NS	<1.1	<0.44	<1.1	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.36			ND (0.76)
Cyclohexane	NS	<1.4	<0.57	<1.4	<0.35	<0.35	<0.35	<0.35	<5.0	<5.0	<0.18			ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	<6.3	<2.5	<6.3	<0.54	<0.54	<0.54	<0.54	<10	<10	<1.3			ND (0.53)
Dibromochloromethane	50	<1.0	<0.41	<1.0	<0.14	<0.14	<0.14	<0.14	<1.0	<1.0	<0.19			ND (0.56)
1,2-Dibromoethane	NS	<1.0	<0.42	<1.0	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0	<0.16			ND (0.48)
1,2-Dichlorobenzene	3	<0.92	<0.37	<0.92	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.20			ND (0.53)
1,3-Dichlorobenzene	3	<1.4	<0.57	<1.4	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.31			ND (0.54)
1,4-Dichlorobenzene	3	<1.3	<0.51	<1.3	<0.30	<0.30	<0.30	<0.30	<1.0	<1.0	<0.30			ND (0.51)
Dichlorodifluoromethane	NS	<1.6	<0.62	<1.6	<0.27	<0.27	<0.27	<0.27	<5.0	<5.0	<0.63			ND (0.56) b
1,1-Dichloroethane	5	<0.96	<0.38	<0.96	<0.11	<0.11	<0.11	<0.11	<1.0	<1.0	<0.26			ND (0.57)
1,2-Dichloroethane	0.6	<0.90	<0.36	<0.90	<0.26	<0.26	<0.26	<0.26	<1.0	<1.0	<0.22			ND (0.60)
1,1-Dichloroethene	5	<1.4	<0.56	<1.4	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.34			ND (0.59) b
cis-1,2-Dichloroethene	5	<1.1	<0.43	<1.1	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.24			ND (0.51)
trans-1,2-Dichloroethene	5	<1.6	<0.63	<1.6	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.38			ND (0.54)
1,2-Dichloropropane	1	<1.1	<0.43	<1.1	<0.48	<0.48	<0.48	<0.48	<1.0	<1.0	<0.28			ND (0.51)
cis-1,3-Dichloropropene	NS	<1.1	<0.43	<1.1	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.15			ND (0.47)
trans-1,3-Dichloropropene	NS	<0.93	<0.37	<0.93	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.21			ND (0.43)
1,4-Dioxane	NS	<360	<140	<360	122 J	<75	<75	<75	<130	<130	<73			ND (19)
Ethylbenzene	5	**12.1**	**12.1**	**6.2**	**9.6**	4.4	2.1	**5.5**	2.8	0.43 J	0.60 J			ND (0.60)
Freon 113	NS	<2.5	<0.98	<2.5	<0.53	<0.53	<0.53	<0.53	<5.0	<5.0	<0.77			ND (0.58)
2-Hexanone	50	<15	<6.1	<15	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<1.7			ND (2.0)
Isopropylbenzene	5	1.7 J	2.6 J	1.4 J	2.4	1.4 J	1.3 J	1.7 J	0.99 J	<2.0	0.46 J			ND (0.65)
Methyl Acetate	NS	<14	<5.7	<14	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<1.5			ND (0.80)
Methylcyclohexane	NS	<0.92	0.73 J	<0.92	0.79 J	0.33 J	0.30 J	<0.26	<5.0	<5.0	<0.15			ND (0.60)
Methyl Tert Butyl Ether	10	5.0	4.1	3.6 J	3.5	1.9	2.8	2.8	3	1.8	2.1			0.73 J
4-Methyl-2-pentanone(MIBK	NS	<6.1	<2.4	<6.1	<0.83	<0.83	<0.83	<0.83	<5.0	<5.0	<1.5			ND (1.9)
Methylene chloride	5	<1.0	<0.40	<1.0	<0.70	<0.70	<0.70	<0.70	<2.0	<2.0	<0.86			ND (1.0)
Styrene	NS	<1.1	<0.46	<1.1	<0.21	<0.21	<0.21	<0.21	<5.0	<5.0	<0.30			ND (0.49)
1,1,2,2-Tetrachloroethane	5	<1.0	<0.40	<1.0	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.20			ND (0.65)
Tetrachloroethene	5	<1.6	<0.64	<1.6	<0.28	<0.28	<0.28	<0.28	<1.0	<1.0	<0.25			ND (0.56)
Toluene	5	**5.2**	1.7 J	<0.73	0.91 J	0.91 J	2.8	0.38 J	0.25 J	0.88 J	<0.44			ND (0.49)
1,2,3-Trichlorobenzene	NS	<3.4	<1.4	<3.4	<0.28	<0.28	<0.28	<0.28	<5.0	<5.0	<0.24			ND (0.50)
1,2,4-Trichlorobenzene	5	<0.75	<0.30	<0.75	<0.20	<0.20	<0.20	<0.20	<5.0	<5.0	<0.22			ND (0.50)
1,1,1-Trichloroethane	5	<1.2	<0.47	<1.2	<0.24	<0.24	<0.24	<0.24	<1.0	<1.0	<0.25			ND (0.54)
1,1,2-Trichloroethane	1	<1.2	<0.46	<1.2	<0.29	<0.29	<0.29	<0.29	<1.0	<1.0	<0.21			ND (0.53)
Trichloroethene	5	<1.1	<0.42	<1.1	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.50			ND (0.53)
Trichlorofluoromethane	5	<1.8	<0.70	<1.8	<0.27	<0.27	<0.27	<0.27	<5.0	<5.0	<0.33			ND (0.40)
Vinyl chloride	2	<1.3	<0.53	<1.3	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.41			ND (0.52)
m,p-Xylene	NS	6.0	3.4	<1.6	1.3	0.90 J	0.44 J	0.88 J	0.43 J	<1.0	<0.40			ND (0.78)
o-Xylene	NS	9.1	8.2	4.8 J	6.9	3.2	0.68 J	4.0	1.7	0.22 J	<0.19			ND (0.59) b
Xylene (total	5	**15.1**	**11.6**	**6.3**	**8.2**	4.1	1.1	4.9	2.1	0.52 J	<0.19			ND (0.59) h

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
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[c] Associated CCV outside of control limits high. Estimated value, due to correspondi
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[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
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Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-25(S)												
		JA86298-2 9/15/2011 Post Treatment	JA99600-1 2/16/2012	JB5987-2 5/8/2012	JB14495-21 8/28/2012	JB24380-3 12/19/2012	JB31339-4 3/13/2013	JB39020-14 6/6/2013	JB47100-8 9/11/2013	JB55981-13 12/18/2013	JB62825-13 3/24/2014	NOT SAMPLED	NOT SAMPLED	JD54013-16 10/21/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<76	<7.6	<5.0	<3.3	<3.3	19.4	<3.3	<10	<10	<3.3			ND (3.1) a
Benzene	1	**23.2**	**13.1**	**9.0**	**8.3**	<0.24	0.38 J	<0.24	<1.0	0.44 J	**2.4**			ND (0.43)
Bromochloromethane	NS	<4.0	<0.40	<0.40	<0.30	<0.30	<0.30	<0.30	<5.0	<5.0	<0.42			ND (0.48)
Bromodichloromethane	50	<2.3	<0.23	<0.23	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.21			ND (0.45)
Bromoform	50	<2.4	<0.24	<0.24	<0.21	<0.21	<0.21	<0.21	<4.0	<4.0	<0.30			ND (0.63)
Bromomethane	5	<3.1	<0.31	<0.31	<0.22	<0.22	<0.22	<0.22	<2.0	<2.0	<0.56			ND (1.6)
2-Butanone (MEK	50	<29	<2.9	<2.9	<2.4	<2.4	<2.4	<2.4	<10	<10	<3.2			ND (2.7)
Carbon disulfide	60	<1.8	0.62 J	<0.18	<0.19	<0.19	<0.19	0.46 J	<2.0	<2.0	0.50 J			ND (0.46)
Carbon tetrachloride	5	<1.9	<0.19	<0.19	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.23			ND (0.55)
Chlorobenzene	5	<2.2	<0.22	<0.22	<0.23	<0.23	<0.23	<0.23	<1.0	<1.0	<0.35			ND (0.56)
Chloroethane	5	<3.7	<0.37	<0.37	<0.26	<0.26	<0.26	<0.26	<1.0	<1.0	<0.39			ND (0.73)
Chloroform	7	<2.1	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<1.0	<1.0	<0.25			ND (0.50) a
Chloromethane	NS	<2.2	<0.22	<0.22	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.36			ND (0.76)
Cyclohexane	NS	<2.9	<0.29	<0.29	<0.35	<0.35	<0.35	<0.35	<5.0	<5.0	<0.18			ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	<13	<1.3	<1.3	<0.54	<0.54	<0.54	<0.54	<10	<10	<1.3			ND (0.53)
Dibromochloromethane	50	<2.0	<0.20	<0.20	<0.14	<0.14	<0.14	<0.14	<1.0	<1.0	<0.19			ND (0.56)
1,2-Dibromoethane	NS	<2.1	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0	<0.16			ND (0.48)
1,2-Dichlorobenzene	3	<1.8	<0.18	<0.18	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.20			ND (0.53)
1,3-Dichlorobenzene	3	<2.9	<0.29	<0.29	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.31			ND (0.54)
1,4-Dichlorobenzene	3	<2.6	<0.26	<0.26	<0.30	<0.30	<0.30	0.45 J	<1.0	<1.0	<0.30			ND (0.51)
Dichlorodifluoromethane	NS	<3.1	<0.31	<0.31	<0.27	<0.27	<0.27	<0.27	<5.0	<5.0	<0.63			ND (0.56)
1,1-Dichloroethane	5	<1.9	<0.19	<0.19	<0.11	<0.11	<0.11	<0.11	<1.0	<1.0	<0.26			ND (0.57)
1,2-Dichloroethane	0.6	<1.8	<0.18	<0.18	<0.26	<0.26	<0.26	<0.26	<1.0	<1.0	<0.22			ND (0.60)
1,1-Dichloroethene	5	<2.8	<0.28	<0.28	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.34			ND (0.59)
cis-1,2-Dichloroethene	5	<2.2	0.67 J	0.69 J	<0.19	<0.19	0.44 J	<0.19	<1.0	<1.0	<0.24			ND (0.51)
trans-1,2-Dichloroethene	5	<3.1	<0.31	<0.31	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.38			ND (0.54)
1,2-Dichloropropane	1	<2.2	<0.22	<0.22	<0.48	<0.48	<0.48	<0.48	<1.0	<1.0	<0.28			ND (0.51)
cis-1,3-Dichloropropene	NS	<2.2	<0.22	<0.22	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.15			ND (0.47)
trans-1,3-Dichloropropene	NS	<1.9	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<1.0	<1.0	<0.21			ND (0.43)
1,4-Dioxane	NS	<720	<72	<72	<75	<75	<75	<75	<130	<130	<73			ND (19)
Ethylbenzene	5	**8.8** J	**6.5**	2.0	0.83 J	<0.23	<0.23	<0.23	<1.0	0.35 J	<0.21			ND (0.60)
Freon 113	NS	<4.9	<0.49	<0.49	<0.53	<0.53	<0.53	<0.53	<5.0	<5.0	<0.77			ND (0.58)
2-Hexanone	50	<30	<3.0	<3.0	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<1.7			ND (2.0)
Isopropylbenzene	5	<1.9	1.5 J	1.1 J	1.4 J	<0.45	<0.45	<0.45	<2.0	<2.0	<0.22			ND (0.65)
Methyl Acetate	NS	<29	<2.9	<2.9	<1.2	<1.2	<1.2	<1.2	<5.0	<5.0	<1.5			ND (0.80)
Methylcyclohexane	NS	<1.8	0.50 J	0.55 J	<0.26	<0.26	<0.26	<0.26	<5.0	<5.0	<0.15			ND (0.60)
Methyl Tert Butyl Ether	10	<1.8	5.1	5.1	4.7	1.5	5.1	**11.3**	4	2.2	7.7			ND (0.51)
4-Methyl-2-pentanone(MIBK	NS	<12	<1.2	<1.2	<0.83	<0.83	<0.83	<0.83	<5.0	<5.0	<1.5			ND (1.9)
Methylene chloride	5	<2.0	<0.20	<0.20	<0.70	<0.70	<0.70	<0.70	<2.0	<2.0	<0.86			ND (1.0)
Styrene	NS	<2.3	<0.23	<0.23	<0.21	<0.21	<0.21	<0.21	<5.0	<5.0	<0.30			ND (0.49)
1,1,2,2-Tetrachloroethane	5	<2.0	<0.20	<0.20	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.20			ND (0.65)
Tetrachloroethene	5	<3.2	<0.32	<0.32	<0.28	<0.28	<0.28	<0.28	<1.0	<1.0	<0.25			ND (0.56)
Toluene	5	**7.4** J	1.7	<0.15	<0.23	0.69 J	0.35 J	<0.23	<1.0	**6.7**	<0.44			ND (0.49)
1,2,3-Trichlorobenzene	NS	<6.9	<0.69	<0.69	<0.28	<0.28	<0.28	<0.28	<5.0	<5.0	<0.24			ND (0.50)
1,2,4-Trichlorobenzene	5	<1.5	<0.15	<0.15	<0.20	<0.20	<0.20	<0.20	<5.0	<5.0	<0.22			ND (0.50)
1,1,1-Trichloroethane	5	<2.4	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<1.0	<1.0	<0.25			ND (0.54)
1,1,2-Trichloroethane	1	<2.3	<0.23	<0.23	<0.29	<0.29	<0.29	<0.29	<1.0	<1.0	<0.21			ND (0.53)
Trichloroethene	5	<2.1	<0.21	<0.21	<0.22	<0.22	<0.22	<0.22	<1.0	<1.0	<0.50			ND (0.53)
Trichlorofluoromethane	5	<3.5	<0.35	<0.35	<0.27	<0.27	<0.27	<0.27	<5.0	<5.0	<0.33			ND (0.40)
Vinyl chloride	2	<2.7	<0.27	<0.27	<0.21	<0.21	<0.21	<0.21	<1.0	<1.0	<0.41			ND (0.52)
m,p-Xylene	NS	<3.2	2.8	<0.32	<0.42	<0.42	<0.42	<0.42	<1.0	0.88 J	<0.40			ND (0.78)
o-Xylene	NS	4.6 J	2.7	1.2	<0.24	<0.24	<0.24	<0.24	<1.0	0.39 J	<0.19			ND (0.59)
Xylene (total	5	**7.6** J	**5.5**	1.2	<0.24	<0.24	<0.24	<0.24	<1.0	1.3	<0.19			ND (0.59)

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to c
[c] Associated CCV outside of control limits high. Estimated value, due to correspondi
[d] Associated CCV outside of control limits low. Low-level verification was analyzed t
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-26D												
		JA86145-8 9/14/2011 Post Treatment	JA99600-4 2/16/2012	JB6089-3 5/9/2012	JB14495-24 8/28/2012	JB24380-5 12/19/2012	JB31339-7 3/13/2013	JB39234-6 6/10/2013	JB47100-9 9/11/2013	JB56101-8 12/19/2013	JB62930-8 3/25/2014	JB70168-2 6/24/2014	JB77273-8 9/22/2014	JD55285-1 11/8/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<1900	<1500	151	<330	<330	23.3	<330	<1000	<1000	<17	< 170	<1000	ND (150) a
Benzene	1	28800	26500	22700	14100	24300	13000	14900	13500	14900	445	14200	14600	15400
Bromochloromethane	NS	<99	<79	<4.0	<30	<30	<0.60	<30	<500	<500	<2.1	< 21	<500	ND (24)
Bromodichloromethane	50	<57	<46	<2.3	<21	<21	<0.41	<21	<100	<100	<1.1	< 11	<100	ND (23)
Bromoform	50	<61	<49	<2.4	<21	<21	<0.43	<21	<400	<400	<1.5	< 15	<400	ND (32)
Bromomethane	5	<79	<63	<3.1	<22	<22	<0.44	<22	<200	<200	<2.8	< 28	<200	ND (82)
2-Butanone (MEK	50	<730	<580	30.2 J	<240	<240	6.0 J	<240	<1000	<1000	<16	< 160	<1000	ND (140)
Carbon disulfide	60	<45	<36	11.0 J	<19	<19	3.8 J	<19	<200	22 J	1.1 J	< 9.1	<200	ND (23)
Carbon tetrachloride	5	<49	<39	<1.9	<22	<22	<0.43	<22	<100	<100	<1.1	< 11	<100	ND (28)
Chlorobenzene	5	<56	<45	<2.2	<23	<23	1.7 J	<23	<100	<100	<1.7	< 17	<100	ND (28)
Chloroethane	5	<92	<73	<3.7	<26	<26	<0.52	<26	<100	<100	<1.9	< 19	<100	ND (36)
Chloroform	7	<52	<41	<2.1	<20	<20	<0.41	<20	<100	<100	<1.2	< 12	<100	ND (25)
Chloromethane	NS	<55	<44	<2.2	<21	<21	<0.41	<21	<100	<100	<1.8	< 18	<100	ND (38)
Cyclohexane	NS	<72	<57	10.6 J	<35	<35	15.4	<35	<500	<500	1.8 J	10.6 J	<500	ND (39)
1,2-Dibromo-3-chloropropane	0.04	<320	<250	<13	<54	<54	<1.1	<54	<1000	<1000	<6.3	< 63	<1000	ND (26)
Dibromochloromethane	50	<51	<41	<2.0	<14	<14	<0.27	<14	<100	<100	<0.96	< 9.6	<100	ND (28)
1,2-Dibromoethane	NS	<52	<42	<2.1	<20	<20	<0.39	<20	<200	<200	<0.80	< 8.0	<200	ND (24)
1,2-Dichlorobenzene	3	<46	<37	<1.8	<22	<22	<0.43	<22	<100	<100	<1.0	< 10	<100	ND (27)
1,3-Dichlorobenzene	3	<72	<57	<2.9	<22	<22	<0.45	<22	<100	<100	<1.6	< 16	<100	ND (27)
1,4-Dichlorobenzene	3	<64	<51	<2.6	<30	<30	<0.60	<30	<100	<100	<1.5	< 15	<100	ND (25)
Dichlorodifluoromethane	NS	<78	<62	<3.1	<27	<27	<0.54	<27	<500	<500	<3.2	< 32	<500	ND (28)
1,1-Dichloroethane	5	<48	<38	<1.9	<11	<11	<0.21	<11	<100	<100	<1.3	< 13	<100	ND (28)
1,2-Dichloroethane	0.6	<45	<36	<1.8	<26	<26	<0.52	<26	<100	<100	<1.1	< 11	<100	ND (30)
1,1-Dichloroethene	5	<70	<56	<2.8	<19	<19	<0.38	<19	<100	<100	<1.7	< 17	<100	ND (30)
cis-1,2-Dichloroethene	5	<54	<43	<2.2	<19	<19	<0.38	<19	<100	<100	<1.2	< 12	<100	ND (25)
trans-1,2-Dichloroethene	5	<78	<63	<3.1	<21	<21	<0.42	<21	<100	<100	<1.9	< 19	<100	ND (27)
1,2-Dichloropropane	1	<54	<43	<2.2	<48	<48	<0.97	<48	<100	<100	<1.4	< 14	<100	ND (25)
cis-1,3-Dichloropropene	NS	<54	<43	<2.2	<21	<21	<0.41	<21	<100	<100	<0.76	< 7.6	<100	ND (24)
trans-1,3-Dichloropropene	NS	<46	<37	<1.9	<19	<19	<0.38	<19	<100	<100	<1.0	< 10	<100	ND (22)
1,4-Dioxane	NS	<18000	<14000	<720	<7500	<7500	<150	<7500	<13000	<13000	<360	< 3600	<13000	ND (970)
Ethylbenzene	5	1460	1420	947	943	1310	1060	1120	1330	1460	<1.0	1170	1270	1230
Freon 113	NS	<120	<98	<4.9	<53	<53	<1.1	<53	<500	<500	<3.8	< 38	<500	ND (29)
2-Hexanone	50	<760	<610	<30	<110	<110	<2.3	<110	<500	<500	<8.5	< 85	<500	ND (100)
Isopropylbenzene	5	<49	52.2 J	35.8	<45	52.3 J	47.6	<45	57.9 J	57.1 J	4.9 J	43.1 J	48.1 J	48.7 J
Methyl Acetate	NS	<720	<570	<29	<120	<120	<2.3	<120	<500	<500	<7.5	< 75	<500	ND (40)
Methylcyclohexane	NS	<46	<37	14.4 J	<26	<26	19.1	<26	<500	23.1 J	5.6 J	12.3 J	<500	ND (30)
Methyl Tert Butyl Ether	10	<46	<37	25.5	<16	<16	18.0	<16	<100	<100	<1.4	21.4 J	<100	ND (25)
4-Methyl-2-pentanone(MIBK	NS	<300	<240	<12	<83	<83	2.3 J	<83	<500	<500	<7.4	< 74	<500	ND (93)
Methylene chloride	5	<51	<40	<2.0	<70	<70	<1.4	<70	<200	<200	<4.3	< 43	<200	ND (50)
Styrene	NS	261 J	<46	<2.3	<21	<21	<0.43	<21	<500	143 J	<1.5	< 15	<500	ND (24)
1,1,2,2-Tetrachloroethane	5	<50	<40	<2.0	<21	<21	<0.43	<21	<100	<100	<0.98	< 9.8	<100	ND (33)
Tetrachloroethene	5	<80	<64	<3.2	<28	<28	<0.56	<28	<100	<100	<1.3	< 13	<100	ND (28)
Toluene	5	12800	11000	10900	6960	11800	6090	7160	5830	6890	123	4470	2810	1990
1,2,3-Trichlorobenzene	NS	<170	<140	<6.9	<28	<28	<0.56	<28	<500	<500	<1.2	< 12	<500	ND (25)
1,2,4-Trichlorobenzene	5	<37	<30	<1.5	<20	<20	<0.41	<20	<500	<500	<1.1	< 11	<500	ND (25)
1,1,1-Trichloroethane	5	<59	<47	<2.4	<24	<24	<0.47	<24	<100	<100	<1.2	< 12	<100	ND (27)
1,1,2-Trichloroethane	1	<58	<46	<2.3	<29	<29	<0.57	<29	<100	<100	<1.1	< 11	<100	ND (27)
Trichloroethene	5	<53	<42	<2.1	<22	<22	<0.43	<22	<100	<100	<2.5	< 25	<100	ND (26)
Trichlorofluoromethane	5	<88	<70	<3.5	<27	<27	<0.53	<27	<500	<500	<1.7	< 17	<500	ND (20)
Vinyl chloride	2	<67	<53	<2.7	<21	<21	<0.41	<21	<100	<100	<2.1	< 21	<100	ND (26)
m,p-Xylene	NS	4000	3370	2220	2220	3850	2420	2560	2650	3200	7.6	2370	2380	1900
o-Xylene	NS	1890	1650	1180	1070	1790	1290	1290	1380	1790	230	1380	1510	1440
Xylene (total	5	5890	5010	3390	3290	5630	3710	3850	4030	4990	237	3750	3900	3340

Notes:
All results presented in ug/L.
* 1,3-Dichloropropene = the sum of the cis and trans isomers
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-26S												
Date Sampled		JA86145-9 9/14/2011 Post Treatment	JA99600-3 2/16/2012	JB6089-2 5/9/2012	JB14495-23 8/28/2012	JB24380-6 12/19/2012	JB31339-6 3/13/2013	JB39234-7 6/10/2013	JB46946-13 9/10/2013	JB56101-7 12/19/2013	JB62930-7 3/25/2014	JB70168-1 6/24/2014	JB77273-7 9/22/2014	JD54013-22 10/21/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	**159** J	<76	**54.7** J	<33	<82	<33	<33	<100	<100	<33	< 33	<100	ND (15) b
Benzene	1	**2470**	**1630**	**950**	**2370**	**3590**	**317**	**661**	**352**	**2410**	**1390**	**602**	**517**	**690**
Bromochloromethane	NS	<7.9	<4.0	<4.0	<3.0	<7.5	<3.0	<3.0	<50	<50	<4.2	< 4.2	<50	ND (2.4)
Bromodichloromethane	50	<4.6	<2.3	<2.3	<2.1	<5.2	<2.1	<2.1	<10	<10	<2.1	< 2.1	<10	ND (2.3)
Bromoform	50	<4.9	<2.4	<2.4	<2.1	<5.4	<2.1	<2.1	<40	<40	<3.0	< 3.0	<40	ND (3.2)
Bromomethane	5	<6.3	<3.1	<3.1	<2.2	<5.5	<2.2	<2.2	<20	<20	<5.6	< 5.6	<20	ND (8.2) b
2-Butanone (MEK	50	<58	<29	<29	<24	<59	<24	<24	<100	<100	<32	< 32	<100	ND (14)
Carbon disulfide	60	9.7 J	11.4 J	4.3 J	3.7 J	11.4 J	3.7 J	2.6 J	<20	7.4 J	5.4 J	< 1.8	<20	3.8 J
Carbon tetrachloride	5	<3.9	<1.9	<1.9	<2.2	<5.4	<2.2	<2.2	<10	<10	<2.3	< 2.3	<10	ND (2.8)
Chlorobenzene	5	<4.5	<2.2	<2.2	<2.3	<5.7	<2.3	<2.3	<10	<10	<3.5	< 3.5	<10	ND (2.8)
Chloroethane	5	<7.3	<3.7	<3.7	<2.6	<6.6	<2.6	<2.6	<10	<10	<3.9	< 3.9	<10	ND (3.6) b
Chloroform	7	<4.1	<2.1	<2.1	<2.0	<5.1	<2.0	<2.0	<10	<10	<2.5	< 2.5	<10	ND (2.5)
Chloromethane	NS	<4.4	<2.2	<2.2	<2.1	<5.2	<2.1	<2.1	<10	<10	<3.6	< 3.6	<10	ND (3.8)
Cyclohexane	NS	6.7 J	10.7 J	6.3 J	10.7 J	11.8 J	4.6 J	5.5 J	4.4 J	11.7 J	7.3 J	5.1 J	4.6 J	ND (3.9)
1,2-Dibromo-3-chloropropane	0.04	<25	<13	<13	<5.4	<13	<5.4	<5.4	<100	<100	<13	< 13	<100	ND (2.6)
Dibromochloromethane	50	<4.1	<2.0	<2.0	<1.4	<3.4	<1.4	<1.4	<10	<10	<1.9	< 1.9	<10	ND (2.8)
1,2-Dibromoethane	NS	<4.2	<2.1	<2.1	<2.0	<4.9	<2.0	<2.0	<20	<20	<1.6	< 1.6	<20	ND (2.4)
1,2-Dichlorobenzene	3	<3.7	<1.8	<1.8	<2.2	<5.4	<2.2	<2.2	<10	<10	<2.0	< 2.0	<10	ND (2.7)
1,3-Dichlorobenzene	3	<5.7	<2.9	<2.9	<2.2	<5.6	<2.2	<2.2	<10	<10	<3.1	< 3.1	<10	ND (2.7)
1,4-Dichlorobenzene	3	<5.1	<2.6	<2.6	<3.0	<7.5	<3.0	<3.0	<10	<10	<3.0	< 3.0	<10	ND (2.5)
Dichlorodifluoromethane	NS	<6.2	<3.1	<3.1	<2.7	<6.7	<2.7	<2.7	<50	<50	<6.3	< 6.3	<50	ND (2.8)
1,1-Dichloroethane	5	<3.8	<1.9	<1.9	<1.1	<2.7	<1.1	<1.1	<10	<10	<2.6	< 2.6	<10	ND (2.8)
1,2-Dichloroethane	0.6	<3.6	<1.8	<1.8	<2.6	<6.5	<2.6	<2.6	<10	<10	<2.2	< 2.2	<10	ND (3.0)
1,1-Dichloroethene	5	<5.6	<2.8	<2.8	<1.9	<4.8	<1.9	<1.9	<10	<10	<3.4	< 3.4	<10	ND (3.0)
cis-1,2-Dichloroethene	5	<4.3	<2.2	<2.2	<1.9	<4.7	<1.9	<1.9	<10	<10	<2.4	< 2.4	<10	2.7 J
trans-1,2-Dichloroethene	5	<6.3	<3.1	<3.1	<2.1	<5.3	<2.1	<2.1	<10	<10	<3.8	< 3.8	<10	ND (2.7)
1,2-Dichloropropane	1	<4.3	<2.2	<2.2	<4.8	<12	<4.8	<4.8	<10	<10	<2.8	< 2.8	<10	ND (2.5)
cis-1,3-Dichloropropene	NS	<4.3	<2.2	<2.2	<2.1	<5.2	<2.1	<2.1	<10	<10	<1.5	< 1.5	<10	ND (2.4)
trans-1,3-Dichloropropene	NS	<3.7	<1.9	<1.9	<1.9	<4.7	<1.9	<1.9	<10	<10	<2.1	< 2.1	<10	ND (2.2)
1,4-Dioxane	NS	<1400	<720	<720	<750	<1900	<750	<750	<1300	<1300	<730	< 730	<1300	ND (97) b
Ethylbenzene	5	**790**	**681**	**430**	**784**	**1140**	**254**	**353**	**261**	**828**	**504**	**351**	**315**	**163**
Freon 113	NS	<9.8	<4.9	<4.9	<5.3	<13	<5.3	<5.3	<50	<50	<7.7	< 7.7	<50	ND (2.9)
2-Hexanone	50	<61	<30	<30	<11	<28	<11	<11	<50	<50	<17	< 17	<50	ND (10)
Isopropylbenzene	5	**60.9**	**56.6**	**35.5**	**55.8**	**65.3**	**35.6**	**41.9**	**34.6**	**55**	**42.7**	**43.2**	**40.5**	**34.3**
Methyl Acetate	NS	<57	<29	<29	<12	<29	<12	<12	<50	<50	<15	< 15	<50	ND (4.0)
Methylcyclohexane	NS	19.3 J	24.5 J	14.0 J	17.8 J	24.8 J	10.1 J	12.4 J	9.1 J	21.9 J	15.1 J	8.8 J	9.7 J	ND (3.0)
Methyl Tert Butyl Ether	10	**19.5** J	**17.8**	**13.2**	**12.8**	**14.2** J	**11.2**	9.8 J	8.8 J	**11.2**	8.2 J	7.5 J	7.3 J	**10.4**
4-Methyl-2-pentanone(MIBK	NS	<24	<12	<12	<8.3	<21	<8.3	<8.3	<50	<50	<15	< 15	<50	ND (9.3)
Methylene chloride	5	<4.0	<2.0	<2.0	<7.0	<18	<7.0	<7.0	<20	<20	<8.6	< 8.6	<20	ND (5.0)
Styrene	NS	<4.6	<2.3	<2.3	<2.1	<5.4	<2.1	<2.1	<50	<50	<3.0	< 3.0	<50	ND (2.4)
1,1,2,2-Tetrachloroethane	5	<4.0	<2.0	<2.0	<2.1	<5.4	<2.1	<2.1	<10	<10	<2.0	< 2.0	<10	ND (3.3)
Tetrachloroethene	5	<6.4	<3.2	<3.2	<2.8	<7.0	<2.8	<2.8	<10	<10	<2.5	< 2.5	<10	ND (2.8)
Toluene	5	**598**	**333**	**164**	**393**	**592**	**17.5**	**51.5**	**9.3** J	**314**	**163**	**41**	**29.5**	**27.5**
1,2,3-Trichlorobenzene	NS	<14	<6.9	<6.9	<2.8	<7.1	<2.8	<2.8	<50	<50	<2.4	< 2.4	<50	ND (2.5)
1,2,4-Trichlorobenzene	5	<3.0	<1.5	<1.5	<2.0	<5.1	<2.0	<2.0	<50	<50	<2.2	< 2.2	<50	ND (2.5)
1,1,1-Trichloroethane	5	<4.7	<2.4	<2.4	<2.4	<5.9	<2.4	<2.4	<10	<10	<2.5	< 2.5	<10	ND (2.7)
1,1,2-Trichloroethane	1	<4.6	<2.3	<2.3	<2.9	<7.2	<2.9	<2.9	<10	<10	<2.1	< 2.1	<10	ND (2.7)
Trichloroethene	5	<4.2	<2.1	<2.1	<2.2	<5.4	<2.2	<2.2	<10	<10	<5.0	< 5.0	<10	ND (2.6)
Trichlorofluoromethane	5	<7.0	<3.5	<3.5	<2.7	<6.7	<2.7	<2.7	<50	<50	<3.3	< 3.3	<50	ND (2.0)
Vinyl chloride	2	<5.3	<2.7	<2.7	<2.1	<5.2	<2.1	<2.1	<10	<10	<4.1	< 4.1	<10	ND (2.6)
m,p-Xylene	NS	1240	891	565	1030	1760	174	280	151	1210	591	153	139	31.6
o-Xylene	NS	770	644	406	730	1100	145	221	119	800	402	154	139	**36.6**
Xylene (total	5	**2010**	**1530**	**971**	**1760**	**2860**	**320**	**500**	**271**	**2010**	**993**	**307**	**279**	**68.2**

Notes:
All results presented in ug/L.
* 1,3-Dichloropropene = the sum of the cis and trans isomers
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to c
[c] Associated CCV outside of control limits high. Estimated value, due to correspond
[d] Associated CCV outside of control limits low. Low-level verification was analyzed t
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-27D												
Date Sampled		JA86298-5 9/15/2011 Post Treatment	JA99488-9 2/15/2012	JB6089-1 5/9/2012	JB14495-26 8/28/2012	JB24380-7 12/19/2012	JB31339-9 3/13/2013	JB39020-17 6/6/2013	JB46946-14 9/10/2013	JB56101-10 12/19/2013	JB62825-16 3/24/2014	JB70168-4 6/24/2014	JB77273-6 9/22/2014	JD54013-19 10/21/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	77.3 J	<76	<25	<16	<33	<16	<16	<50	<50	<17	< 17	<50	ND (12) b
Benzene	1	684	1010	830	820	1120	800	785	812	799	663	628	752	11.1
Bromochloromethane	NS	<4.0	<4.0	<2.0	<1.5	<3.0	<1.5	<1.5	<25	<25	<2.1	< 2.1	<25	ND (1.9)
Bromodichloromethane	50	<2.3	<2.3	<1.1	<1.0	<2.1	<1.0	<1.0	<5.0	<5.0	<1.1	< 1.1	<5.0	ND (1.8)
Bromoform	50	<2.4	<2.4	<1.2	<1.1	<2.1	<1.1	<1.1	<20	<20	<1.5	< 1.5	<20	ND (2.5)
Bromomethane	5	<3.1	<3.1	<1.6	<1.1	<2.2	<1.1	<1.1	<10	<10	<2.8	< 2.8	<10	ND (6.6) b
2-Butanone (MEK	50	<29	<29	<15	<12	<24	<12	<12	<50	<50	<16	< 16	<50	ND (11)
Carbon disulfide	60	6.2 J	4.2 J	3.1 J	2.1 J	5.4 J	2.4 J	6.6 J	2 J	1.8 J	1.9 J	1.6 J	<10	2 J
Carbon tetrachloride	5	<1.9	<1.9	<0.97	<1.1	<2.2	<1.1	<1.1	<5.0	<5.0	<1.1	< 1.1	<5.0	ND (2.2)
Chlorobenzene	5	<2.2	<2.2	<1.1	<1.1	<2.3	<1.1	<1.1	<5.0	<5.0	<1.7	< 1.7	<5.0	ND (2.2)
Chloroethane	5	<3.7	<3.7	<1.8	<1.3	<2.6	<1.3	<1.3	<5.0	<5.0	<1.9	< 1.9	<5.0	ND (2.9) b
Chloroform	7	<2.1	<2.1	<1.0	<1.0	<2.0	<1.0	<1.0	<5.0	<5.0	<1.2	< 1.2	<5.0	ND (2.0)
Chloromethane	NS	<2.2	<2.2	<1.1	<1.0	<2.1	<1.0	<1.0	<5.0	<5.0	<1.8	< 1.8	<5.0	ND (3.0)
Cyclohexane	NS	<2.9	<2.9	<1.4	<1.8	<3.5	<1.8	<1.8	<25	1.6 J	<0.90	< 0.90	1.3 J	ND (3.1)
1,2-Dibromo-3-chloropropane	0.04	<13	<13	<6.3	<2.7	<5.4	<2.7	<2.7	<50	<50	<6.3	< 6.3	<50	ND (2.1)
Dibromochloromethane	50	<2.0	<2.0	<1.0	<0.68	<1.4	<0.68	<0.68	<5.0	<5.0	<0.96	< 0.96	<5.0	ND (2.2)
1,2-Dibromoethane	NS	<2.1	<2.1	<1.0	<0.98	<2.0	<0.98	<0.98	<10	<10	<0.80	< 0.80	<10	ND (1.9)
1,2-Dichlorobenzene	3	<1.8	<1.8	<0.92	<1.1	<2.2	<1.1	<1.1	<5.0	<5.0	<1.0	< 1.0	<5.0	ND (2.1)
1,3-Dichlorobenzene	3	<2.9	<2.9	<1.4	<1.1	<2.2	<1.1	<1.1	<5.0	<5.0	<1.6	< 1.6	<5.0	ND (2.2)
1,4-Dichlorobenzene	3	<2.6	<2.6	<1.3	<1.5	<3.0	<1.5	<1.5	<5.0	<5.0	<1.5	< 1.5	<5.0	ND (2.0)
Dichlorodifluoromethane	NS	<3.1	<3.1	<1.6	<1.3	<2.7	<1.3	<1.3	<25	<25	<3.2	< 3.2	<25	ND (2.2)
1,1-Dichloroethane	5	<1.9	<1.9	<0.96	<0.53	<1.1	<0.53	<0.53	<5.0	<5.0	<1.3	< 1.3	<5.0	ND (2.3)
1,2-Dichloroethane	0.6	<1.8	<1.8	20.4	<1.3	<2.6	<1.3	<1.3	<5.0	<5.0	<1.1	< 1.1	<5.0	ND (2.4)
1,1-Dichloroethene	5	<2.8	<2.8	<1.4	<0.96	<1.9	<0.96	<0.96	<5.0	<5.0	<1.7	< 1.7	<5.0	ND (2.4)
cis-1,2-Dichloroethene	5	<2.2	<2.2	<1.1	<0.94	<1.9	<0.94	<0.94	<5.0	<5.0	<1.2	< 1.2	<5.0	ND (2.0)
trans-1,2-Dichloroethene	5	<3.1	<3.1	<1.6	<1.1	<2.1	<1.1	<1.1	<5.0	<5.0	<1.9	< 1.9	<5.0	ND (2.1)
1,2-Dichloropropane	1	<2.2	<2.2	<1.1	<2.4	<4.8	<2.4	<2.4	<5.0	<5.0	<1.4	< 1.4	<5.0	ND (2.0)
cis-1,3-Dichloropropene	NS	<2.2	<2.2	<1.1	<1.0	<2.1	<1.0	<1.0	<5.0	<5.0	<0.76	< 0.76	<5.0	ND (1.9)
trans-1,3-Dichloropropene	NS	<1.9	<1.9	<0.93	<0.95	<1.9	<0.95	<0.95	<5.0	<5.0	<1.0	< 1.0	<5.0	ND (1.7)
1,4-Dioxane	NS	<720	<720	<360	<370	<750	<370	<370	<630	<630	<360	< 360	<630	ND (77) b
Ethylbenzene	5	167	168	206	236	359	246	282	251	288	238	195	234	46
Freon 113	NS	<4.9	<4.9	<2.5	<2.7	<5.3	<2.7	<2.7	<25	<25	<3.8	< 3.8	<25	ND (2.3)
2-Hexanone	50	<30	<30	<15	<5.7	<11	<5.7	<5.7	<25	<25	<8.5	< 8.5	<25	ND (8.1)
Isopropylbenzene	5	33.0	16.4 J	32.2	37.2	42.3	39.4	46.5	38.9	49.5	44.3	30.5	39.7	12.2
Methyl Acetate	NS	<29	<29	<14	<5.8	<12	<5.8	<5.8	<25	<25	<7.5	< 7.5	<25	ND (3.2)
Methylcyclohexane	NS	<1.8	<1.8	<0.92	<1.3	<2.6	<1.3	<1.3	<25	2.6 J	1.4 J	< 0.77	1.4 J	ND (2.4)
Methyl Tert Butyl Ether	10	24.9	26.5	36.8	28.1	37.0	17.8	17.4	17.8	20.5	12.5	12.7	14.7	ND (2.0)
4-Methyl-2-pentanone(MIBK	NS	<12	<12	<6.1	<4.1	<8.3	<4.1	<4.1	<25	<25	<7.4	< 7.4	<25	ND (7.4)
Methylene chloride	5	<2.0	<2.0	<1.0	<3.5	<7.0	<3.5	<3.5	<10	<10	<4.3	< 4.3	<10	ND (4.0)
Styrene	NS	<2.3	<2.3	<1.1	<1.1	<2.1	<1.1	<1.1	<25	<25	<1.5	< 1.5	<25	ND (1.9)
1,1,2,2-Tetrachloroethane	5	<2.0	<2.0	<1.0	<1.1	<2.1	<1.1	<1.1	<5.0	<5.0	<0.98	< 0.98	<5.0	ND (2.6)
Tetrachloroethene	5	<3.2	<3.2	<1.6	<1.4	<2.8	<1.4	<1.4	<5.0	<5.0	<1.3	< 1.3	<5.0	ND (2.2)
Toluene	5	21.7	110	47.5	56.6	231	24.7	21.9	26.5	28	19.9	25.2	38.6	7.7
1,2,3-Trichlorobenzene	NS	<6.9	<6.9	<3.4	<1.4	<2.8	<1.4	<1.4	<25	<25	<1.2	< 1.2	<25	ND (2.0)
1,2,4-Trichlorobenzene	5	<1.5	<1.5	<0.75	<1.0	<2.0	<1.0	<1.0	1 J	<25	<1.1	< 1.1	<25	ND (2.0)
1,1,1-Trichloroethane	5	<2.4	<2.4	<1.2	<1.2	<2.4	<1.2	<1.2	<5.0	<5.0	<1.2	< 1.2	<5.0	ND (2.1)
1,1,2-Trichloroethane	1	<2.3	<2.3	<1.2	<1.4	<2.9	<1.4	<1.4	<5.0	<5.0	<1.1	< 1.1	<5.0	ND (2.1)
Trichloroethene	5	<2.1	<2.1	<1.1	<1.1	<2.2	<1.1	<1.1	<5.0	<5.0	<2.5	< 2.5	<5.0	ND (2.1)
Trichlorofluoromethane	5	<3.5	<3.5	<1.8	<1.3	<2.7	<1.3	<1.3	<25	<25	<1.7	< 1.7	<25	ND (1.6)
Vinyl chloride	2	<2.7	<2.7	<1.3	<1.0	<2.1	<1.0	<1.0	<5.0	<5.0	<2.1	< 2.1	<5.0	ND (2.1)
m,p-Xylene	NS	46.0	196	100	142	353	86.4	85.9	66.7	67.4	45.2	51	57.9	32.7
o-Xylene	NS	31.6	89.5	55.4	70.9	171	61.8	60.5	52.9	59.7	43.6	41.6	52.2	21.5
Xylene (total	5	77.6	285	156	213	524	148	146	120	127	88.9	92.6	110	54.2

Notes:
All results presented in ug/L.
* 1,3-Dichloropropene = the sum of the cis and trans isomers
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
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[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-27S JA86298-4 9/15/2011 Post Treatment Result Q	JA99488-8 2/15/2012 Result Q	JB5987-4 5/8/2012 Result Q	JB14495-25 8/28/2012 Result Q	JB24380-8 12/19/2012 Result Q	JB31339-8 3/13/2013 Result Q	JB39020-16 6/6/2013 Result Q	JB46946-15 9/10/2013 Result Q	JB56101-9 12/19/2013 Result Q	JB62825-15 3/24/2014 Result Q	JB70168-3 6/26/2014 Result Q	JB77273-5 9/22/2014 Result Q	JD54013-18 9/23/2014 Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<76	<76	<25	<3.3	<3.3	3.9 J	8.1 J	<100	<100	<17	< 3.3	<10	ND (3.1) a
Benzene	1	**261**	**380**	**375**	**250**	**134**	**325**	**317**	**95.8**	**330**	**289**	**349**	**197**	**68.6**
Bromochloromethane	NS	<4.0	<4.0	<2.0	<0.30	<0.30	<0.30	<0.30	<50	<50	<2.1	< 0.42	<5.0	ND (0.48)
Bromodichloromethane	50	<2.3	<2.3	<1.1	<0.21	<0.21	<0.21	<0.21	<10	<10	<1.1	< 0.21	<1.0	ND (0.45)
Bromoform	50	<2.4	<2.4	<1.2	<0.21	<0.21	<0.21	<0.21	<40	<40	<1.5	< 0.30	<4.0	ND (0.63)
Bromomethane	5	<3.1	<3.1	<1.6	<0.22	<0.22	<0.22	<0.22	<20	<20	<2.8	< 0.56	<2.0	ND (1.6)
2-Butanone (MEK	50	<29	<29	<15	<2.4	<2.4	<2.4	<2.4	<100	<100	<16	< 3.2	<10	ND (2.7)
Carbon disulfide	60	7.5 J	7.7 J	3.7 J	2.3	1.7 J	1.5 J	1.6 J	<20	<20	1.1 J	0.95 J	<2.0	ND (0.46)
Carbon tetrachloride	5	<1.9	<1.9	<0.97	<0.22	<0.22	<0.22	<0.22	<10	<10	<1.1	< 0.23	<1.0	ND (0.55)
Chlorobenzene	5	<2.2	<2.2	<1.1	<0.23	<0.23	<0.23	<0.23	<10	<10	<1.7	< 0.35	<1.0	ND (0.56)
Chloroethane	5	<3.7	<3.7	<1.8	<0.26	<0.26	<0.26	<0.26	<10	<10	<1.9	< 0.39	<1.0	ND (0.73)
Chloroform	7	<2.1	<2.1	<1.0	<0.20	<0.20	<0.20	<0.20	<10	<10	<1.2	< 0.25	<1.0	ND (0.50) a
Chloromethane	NS	<2.2	<2.2	<1.1	<0.21	<0.21	<0.21	<0.21	<10	<10	<1.8	< 0.36	<1.0	ND (0.76)
Cyclohexane	NS	<2.9	<2.9	<1.4	<0.35	<0.35	<0.35	<0.35	<50	<50	<0.90	< 0.18	<5.0	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	<13	<13	<6.3	<0.54	<0.54	<0.54	<0.54	<100	<100	<6.3	< 1.3	<10	ND (0.53)
Dibromochloromethane	50	<2.0	<2.0	<1.0	<0.14	<0.14	<0.14	<0.14	<10	<10	<0.96	< 0.19	<1.0	ND (0.56)
1,2-Dibromoethane	NS	<2.1	<2.1	<1.0	<0.20	<0.20	<0.20	<0.20	<20	<20	<0.80	< 0.16	<2.0	ND (0.48)
1,2-Dichlorobenzene	3	<1.8	<1.8	<0.92	<0.22	<0.22	<0.22	<0.22	<10	<10	<1.0	< 0.20	<1.0	ND (0.53)
1,3-Dichlorobenzene	3	<2.9	<2.9	<1.4	<0.22	<0.22	<0.22	<0.22	<10	<10	<1.6	< 0.31	<1.0	ND (0.54)
1,4-Dichlorobenzene	3	<2.6	<2.6	<1.3	<0.30	<0.30	<0.30	<0.30	<10	<10	<1.5	< 0.30	<1.0	ND (0.51)
Dichlorodifluoromethane	NS	<3.1	<3.1	<1.6	<0.27	<0.27	<0.27	<0.27	<50	<50	<3.2	< 0.63	<5.0	ND (0.56)
1,1-Dichloroethane	5	<1.9	<1.9	<0.96	<0.11	<0.11	<0.11	<0.11	<10	<10	<1.3	< 0.26	<1.0	ND (0.57)
1,2-Dichloroethane	0.6	<1.8	<1.8	<0.90	<0.26	<0.26	<0.26	<0.26	<10	<10	<1.1	< 0.22	<1.0	ND (0.60)
1,1-Dichloroethene	5	<2.8	<2.8	<1.4	<0.19	<0.19	<0.19	<0.19	<10	<10	<1.7	< 0.34	<1.0	ND (0.59)
cis-1,2-Dichloroethene	5	<2.2	<2.2	<1.1	<0.19	0.42 J	<0.19	<0.19	<10	<10	<1.2	< 0.24	<1.0	ND (0.51)
trans-1,2-Dichloroethene	5	<3.1	<3.1	<1.6	<0.21	<0.21	<0.21	<0.21	<10	<10	<1.9	< 0.38	<1.0	ND (0.54)
1,2-Dichloropropane	1	<2.2	<2.2	<1.1	<0.48	<0.48	<0.48	<0.48	<10	<10	<1.4	< 0.28	<1.0	ND (0.51)
cis-1,3-Dichloropropene	NS	<2.2	<2.2	<1.1	<0.21	<0.21	<0.21	<0.21	<10	<10	<0.76	< 0.15	<1.0	ND (0.47)
trans-1,3-Dichloropropene	NS	<1.9	<1.9	<0.93	<0.19	<0.19	<0.19	<0.19	<10	<10	<1.0	< 0.21	<1.0	ND (0.43)
1,4-Dioxane	NS	<720	<720	<360	<75	<75	<75	<75	<1300	<1300	<360	< 73	<130	ND (19)
Ethylbenzene	5	**55.0**	**57.0**	**64.9**	**52.1**	**23.4**	**32.5**	**33.4**	**11.5**	**28.1**	**25.4**	**31**	**20.1**	**13.8**
Freon 113	NS	<4.9	<4.9	<2.5	<0.53	<0.53	<0.53	<0.53	<50	<50	<3.8	< 0.77	<5.0	ND (0.58)
2-Hexanone	50	<30	<30	<15	<1.1	<1.1	<1.1	<1.1	<50	<50	<8.5	< 1.7	<5.0	ND (2.0)
Isopropylbenzene	5	**9.3** J	**8.8** J	**7.0** J	**6.4**	3.4	3.6	4.1	<20	4.1 J	3.2 J	3.3	2.7	**7.4**
Methyl Acetate	NS	<29	<29	<14	<1.2	<1.2	<1.2	<1.2	<50	<50	<7.5	< 1.5	<5.0	ND (0.80)
Methylcyclohexane	NS	<1.8	<1.8	<0.92	<0.26	<0.26	<0.26	<0.26	<50	<50	<0.77	< 0.15	0.34 J	ND (0.60)
Methyl Tert Butyl Ether	10	**10.6**	5.1 J	4.2 J	3.5	3.1	3.3	2.7	<10	4.9 J	4.1 J	3.3	2.1	2.3
4-Methyl-2-pentanone(MIBK	NS	<12	<12	<6.1	<0.83	<0.83	<0.83	<0.83	<50	<50	<7.4	< 1.5	<5.0	ND (1.9)
Methylene chloride	5	<2.0	<2.0	<1.0	<0.70	<0.70	<0.70	<0.70	<20	<20	<4.3	< 0.86	<2.0	ND (1.0)
Styrene	NS	<2.3	<2.3	<1.1	<0.21	<0.21	<0.21	<0.21	<50	<50	<1.5	< 0.30	<5.0	ND (0.49)
1,1,2,2-Tetrachloroethane	5	<2.0	<2.0	<1.0	<0.21	<0.21	<0.21	<0.21	<10	<10	<0.98	< 0.20	<1.0	ND (0.65)
Tetrachloroethene	5	<3.2	<3.2	<1.6	<0.28	<0.28	<0.28	<0.28	<10	<10	<1.3	< 0.25	<1.0	ND (0.56)
Toluene	5	**16.2**	**66.2**	**79.3**	**14.1**	3.3	3.7	2.2	<10	<10	<2.2	1.3	0.99 J	ND (0.49)
1,2,3-Trichlorobenzene	NS	<6.9	<6.9	<3.4	<0.28	<0.28	<0.28	<0.28	<50	<50	<1.2	< 0.24	<5.0	ND (0.50)
1,2,4-Trichlorobenzene	5	<1.5	<1.5	<0.75	<0.20	<0.20	<0.20	<0.20	<50	<50	<1.1	< 0.22	<5.0	ND (0.50)
1,1,1-Trichloroethane	5	<2.4	<2.4	<1.2	<0.24	<0.24	<0.24	<0.24	<10	<10	<1.2	< 0.25	<1.0	ND (0.54)
1,1,2-Trichloroethane	1	<2.3	<2.3	<1.2	<0.29	<0.29	<0.29	<0.29	<10	<10	<1.1	< 0.21	<1.0	ND (0.53)
Trichloroethene	5	<2.1	<2.1	<1.1	<0.22	<0.22	<0.22	<0.22	<10	<10	<2.5	< 0.50	<1.0	ND (0.53)
Trichlorofluoromethane	5	<3.5	<3.5	<1.8	<0.27	<0.27	<0.27	<0.27	<50	<50	<1.7	< 0.33	<5.0	ND (0.40)
Vinyl chloride	2	<2.7	<2.7	<1.3	<0.21	<0.21	<0.21	<0.21	<10	<10	<2.1	< 0.41	<1.0	ND (0.52)
m,p-Xylene	NS	29.5	34.7	36.6	13.3	5.4	7.5	6.4	<10	4.9 J	2.4 J	2.1	1.3	1.3
o-Xylene	NS	21.2	28.8	38.5	29.5	11.6	15.1	9.6	<10	2.5 J	<0.97	0.48 J	0.35 J	1.1
Xylene (total	5	**50.6**	**63.4**	**75.1**	**42.8**	**17.0**	**22.6**	**16.0**	<10	**7.4** J	2.4 J	2.5	1.7	2.4

Notes:
All results presented in ug/L.
* 1,3-Dichloropropene = the sum of the cis and trans isomers
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to c
[c] Associated CCV outside of control limits high. Estimated value, due to correspondi
[d] Associated CCV outside of control limits low. Low-level verification was analyzed t
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-30D												
Lab Sample ID	**Class GA**	**JA86429-6**	**JA99600-6**	**JB7215-2**	**JB14495-28**	**JB24380-10**	**JB31339-11**	**JB39234-9**	**JB47100-10**	**JB56101-12**	**JB62930-10**		**JB77273-16**	**JD54013-9**
Date Sampled	**Ambient Water Quality Standards and Guidance Values**	**9/16/2011 Post Treatment** Result Q	**2/16/2012** Result Q	**5/23/2012** Result Q	**8/28/2012** Result Q	**12/19/2012** Result Q	**3/13/2013** Result Q	**6/10/2013** Result Q	**9/11/2013** Result Q	**12/19/2013** Result Q	**3/25/2014** Result Q	**NOT SAMPLED**	**9/23/2014** Result Q	**9/24/2014** Result Q
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<150	<190	**154** J	<66	**253**	**361**	**81.0** J	**360**	<500	**134** J		<250	19.2 J
Benzene	1	**970**	**1020**	**1460**	**1140**	**1260**	**1030**	**83.6**	**422**	**349**	**234**		**76.5**	**421**
Bromochloromethane	NS	<7.9	<9.9	<7.9	<6.0	<3.0	<3.0	<3.0	<100	<250	<8.3		<130	ND (2.4)
Bromodichloromethane	50	<4.6	<5.7	<4.6	<4.1	<2.1	<2.1	<2.1	<20	<50	<4.2		<25	ND (2.3)
Bromoform	50	<4.9	<6.1	<4.9	<4.3	<2.1	<2.1	<2.1	<80	<200	<6.0		<100	ND (3.2)
Bromomethane	5	<6.3	<7.9	<6.3	<4.4	<2.2	<2.2	<2.2	<40	<100	<11		<50	ND (8.2)
2-Butanone (MEK	50	<58	<73	<58	<47	<24	47.1 J	<24	<200	<500	<64		<250	ND (14)
Carbon disulfide	60	<3.6	<4.5	<3.6	<3.8	<1.9	<1.9	<1.9	<40	<100	<3.6		<50	2.6 J
Carbon tetrachloride	5	<3.9	<4.9	<3.9	<4.3	<2.2	<2.2	<2.2	<20	<50	<4.5		<25	ND (2.8)
Chlorobenzene	5	<4.5	<5.6	<4.5	<4.6	<2.3	<2.3	<2.3	<20	<50	<6.9		<25	ND (2.8)
Chloroethane	5	<7.3	<9.2	<7.3	<5.2	<2.6	<2.6	<2.6	<20	<50	<7.8		<25	ND (3.6)
Chloroform	7	<4.1	<5.2	<4.1	<4.1	<2.0	<2.0	<2.0	<20	<50	<4.9		<25	ND (2.5)
Chloromethane	NS	<4.4	<5.5	<4.4	<4.1	<2.1	<2.1	<2.1	<20	<50	<7.3		<25	ND (3.8)
Cyclohexane	NS	8.7 J	12.1 J	8.1 J	8.7 J	9.5 J	<3.5	11.3 J	13.7 J	13.6 J	5.8 J		9.0 J	9.9 J
1,2-Dibromo-3-chloropropane	0.04	<25	<32	<25	<11	<5.4	<5.4	<5.4	<200	<500	<25		<250	ND (2.6)
Dibromochloromethane	50	<4.1	<5.1	<4.1	<2.7	<1.4	<1.4	<1.4	<20	<50	<3.8		<25	ND (2.8)
1,2-Dibromoethane	NS	<4.2	<5.2	<4.2	<3.9	<2.0	<2.0	<2.0	<40	<100	<3.2		<50	ND (2.4)
1,2-Dichlorobenzene	3	<3.7	<4.6	<3.7	<4.3	<2.2	<2.2	<2.2	<20	<50	<4.1		<25	ND (2.7)
1,3-Dichlorobenzene	3	<5.7	<7.2	<5.7	<4.5	<2.2	<2.2	<2.2	<20	<50	<6.3		<25	ND (2.7)
1,4-Dichlorobenzene	3	<5.1	<6.4	<5.1	<6.0	<3.0	<3.0	<3.0	<20	<50	<6.0		<25	ND (2.5)
Dichlorodifluoromethane	NS	<6.2	<7.8	<6.2	<5.4	<2.7	<2.7	<2.7	<100	<250	<13		<130	ND (2.8)
1,1-Dichloroethane	5	<3.8	<4.8	<3.8	<2.1	<1.1	<1.1	<1.1	<20	<50	<5.2		<25	ND (2.8)
1,2-Dichloroethane	0.6	<3.6	<4.5	<3.6	<5.2	<2.6	<2.6	<2.6	<20	<50	<4.4		<25	ND (3.0)
1,1-Dichloroethene	5	<5.6	<7.0	<5.6	<3.8	<1.9	<1.9	<1.9	<20	<50	<6.9		<25	ND (3.0)
cis-1,2-Dichloroethene	5	<4.3	<5.4	<4.3	<3.8	<1.9	<1.9	<1.9	<20	<50	<4.8		<25	ND (2.5)
trans-1,2-Dichloroethene	5	<6.3	<7.8	<6.3	<4.2	<2.1	<2.1	<2.1	<20	<50	<7.6		<25	ND (2.7)
1,2-Dichloropropane	1	<4.3	<5.4	<4.3	<9.7	<4.8	<4.8	<4.8	<20	<50	<5.6		<25	ND (2.5)
cis-1,3-Dichloropropene	NS	<4.3	<5.4	<4.3	<4.1	<2.1	<2.1	<2.1	<20	<50	<3.0		<25	ND (2.4)
trans-1,3-Dichloropropene	NS	<3.7	<4.6	<3.7	<3.8	<1.9	<1.9	<1.9	<20	<50	<4.1		<25	ND (2.2)
1,4-Dioxane	NS	<1400	<1800	<1400	<1500	<750	<750	<750	<2500	<6300	<1500		<3100	ND (97) a
Ethylbenzene	5	**806**	**845**	**647**	**844**	**751**	**759**	**671**	**913**	**824**	**497**		**561**	**593**
Freon 113	NS	<9.8	<12	<9.8	<11	<5.3	<5.3	<5.3	<100	<250	<15		<130	ND (2.9)
2-Hexanone	50	<61	<76	<61	<23	<11	<11	<11	<100	<250	<34		<130	ND (10) a
Isopropylbenzene	5	**45.5**	**49.6** J	**35.5** J	**45.9**	**44.4**	**51.2**	**68.1**	**68.1**	**67.9** J	**49.7**		**61.5**	**49.9**
Methyl Acetate	NS	<57	<72	<57	<23	<12	<12	<12	<100	<250	<30		<130	ND (4.0) a
Methylcyclohexane	NS	7.8 J	10.4 J	5.8 J	7.5 J	10.9 J	13.6 J	17.0 J	18.3 J	18.6 J	7.4 J		14.2 J	10.5 J
Methyl Tert Butyl Ether	10	5.6 J	<4.6	<3.7	<3.3	<1.6	<1.6	2.2 J	<20	<50	<5.7		<25	ND (2.5)
4-Methyl-2-pentanone(MIBK	NS	<24	<30	<24	<17	<8.3	<8.3	<8.3	<100	<250	<30		<130	ND (9.3) a
Methylene chloride	5	<4.0	<5.1	<4.0	<14	<7.0	<7.0	<7.0	<40	<100	<17		<50	ND (5.0)
Styrene	NS	<4.6	<5.7	<4.6	<4.3	<2.1	<2.1	<2.1	<100	<250	<6.0		<130	ND (2.4)
1,1,2,2-Tetrachloroethane	5	<4.0	<5.0	<4.0	<4.3	<2.1	<2.1	<2.1	<20	<50	<3.9		<25	ND (3.3)
Tetrachloroethene	5	<6.4	<8.0	<6.4	<5.6	<2.8	<2.8	<2.8	<20	<50	<5.0		<25	ND (2.8)
Toluene	5	**1060**	**511**	**644**	**404**	**425**	**356**	**147**	**234**	**169**	**158**		**63.1**	**127**
1,2,3-Trichlorobenzene	NS	<14	<17	<14	<5.6	<2.8	<2.8	<2.8	<100	<250	<4.9		<130	ND (2.5)
1,2,4-Trichlorobenzene	5	<3.0	<3.7	<3.0	<4.1	<2.0	<2.0	<2.0	<100	<250	<4.3		<130	ND (2.5)
1,1,1-Trichloroethane	5	<4.7	<5.9	<4.7	<4.7	<2.4	<2.4	<2.4	<20	<50	<5.0		<25	ND (2.7)
1,1,2-Trichloroethane	1	<4.6	<5.8	<4.6	<5.7	<2.9	<2.9	<2.9	<20	<50	<4.2		<25	ND (2.7)
Trichloroethene	5	<4.2	<5.3	<4.2	<4.3	<2.2	<2.2	<2.2	<20	<50	<10		<25	ND (2.6)
Trichlorofluoromethane	5	<7.0	<8.8	<7.0	<5.3	<2.7	<2.7	<2.7	<100	<250	<6.7		<130	ND (2.0)
Vinyl chloride	2	<5.3	<6.7	<5.3	<4.1	<2.1	<2.1	<2.1	<20	<50	<8.3		<25	ND (2.6)
m,p-Xylene	NS	965	908	775	876	829	879	527	715	653	463		323	540
o-Xylene	NS	591	550	500	527	476	540	265	368	337	256		181	**374**
Xylene (total	5	**1560**	**1460**	**1280**	**1400**	**1310**	**1420**	**792**	**1080**	**989**	**720**		**504**	**914**

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-30S												
Lab Sample ID	**Class GA**	**JA86298-7**	**JA99600-5**	**JB7215-1**	**JB14495-27**	**JB24380-9**	**JB31339-10**	**JB39234-8**	**JB47195-1**	**JB56101-11**	**JB62930-9**	**NOT SAMPLED**	**JB77273-11**	**JB77273-12**
Date Sampled	**Ambient Water Quality Standards and Guidance Values**	**9/15/2011 Post Treatment**	**2/16/2012**	**5/23/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/10/2013**	**9/12/2013**	**12/19/2013**	**3/25/2014**		**9/23/2014**	**9/24/2014**
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	**Result Q**
GC/MS Volatiles (ug/L (SW846 8260B														
Acetone	50	<190	13.2	<5.0	<3.3	27.2	<6.6	<3.3	4.6 J	<10	<3.3		<10	ND (3.1) b
Benzene	1	<5.5	**1.2**	0.68 J	**1.7**	**45.1**	0.60 J	0.69 J	**1.4**	<1.0	**1.7**		0.99 J	ND (0.43)
Bromochloromethane	NS	<9.9	<0.40	<0.40	<0.30	<0.30	<0.60	<0.30	<5.0	<5.0	<0.42		<5.0	ND (0.48)
Bromodichloromethane	50	<5.7	<0.23	<0.23	<0.21	<0.21	<0.41	<0.21	<1.0	<1.0	<0.21		<1.0	ND (0.45)
Bromoform	50	<6.1	<0.24	<0.24	<0.21	<0.21	<0.43	<0.21	<4.0	<4.0	<0.30		<4.0	ND (0.63)
Bromomethane	5	<7.9	<0.31	<0.31	<0.22	<0.22	<0.44	<0.22	<2.0	<2.0	<0.56		<2.0	ND (1.6)
2-Butanone (MEK	50	<73	<2.9	<2.9	<2.4	<2.4	<4.7	<2.4	<10	<10	<3.2		<10	ND (2.7) b
Carbon disulfide	60	<4.5	1.3 J	<0.18	<0.19	0.68 J	<0.38	<0.19	0.32 J	<2.0	<0.18		<2.0	ND (0.46)
Carbon tetrachloride	5	<4.9	<0.19	<0.19	<0.22	<0.22	<0.43	<0.22	<1.0	<1.0	<0.23		<1.0	ND (0.55)
Chlorobenzene	5	<5.6	<0.22	<0.22	<0.23	<0.23	<0.46	<0.23	<1.0	<1.0	<0.35		<1.0	ND (0.56)
Chloroethane	5	<9.2	<0.37	<0.37	<0.26	<0.26	<0.52	<0.26	<1.0	<1.0	<0.39		<1.0	ND (0.73)
Chloroform	7	<5.2	<0.21	<0.21	<0.20	<0.20	<0.41	<0.20	<1.0	<1.0	<0.25		<1.0	ND (0.50)
Chloromethane	NS	<5.5	<0.22	<0.22	<0.21	<0.21	<0.41	<0.21	<1.0	<1.0	<0.36		<1.0	ND (0.76) b
Cyclohexane	NS	<7.2	0.35 J	0.82 J	1.5 J	<0.35	<0.71	<0.35	1 J	<5.0	<0.18		0.44 J	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	<32	<1.3	<1.3	<0.54	<0.54	<1.1	<0.54	<10	<10	<1.3		<10	ND (0.53)
Dibromochloromethane	50	<5.1	<0.20	<0.20	<0.14	<0.14	<0.27	<0.14	<1.0	<1.0	<0.19		<1.0	ND (0.56)
1,2-Dibromoethane	NS	<5.2	<0.21	<0.21	<0.20	<0.20	<0.39	<0.20	<2.0	<2.0	<0.16		<2.0	ND (0.48)
1,2-Dichlorobenzene	3	<4.6	<0.18	<0.18	<0.22	<0.22	<0.43	<0.22	<1.0	<1.0	<0.20		<1.0	ND (0.53)
1,3-Dichlorobenzene	3	<7.2	<0.29	<0.29	<0.22	<0.22	<0.45	<0.22	<1.0	<1.0	<0.31		<1.0	ND (0.54)
1,4-Dichlorobenzene	3	<6.4	<0.26	<0.26	<0.30	<0.30	<0.60	<0.30	<1.0	<1.0	<0.30		<1.0	ND (0.51)
Dichlorodifluoromethane	NS	<7.8	<0.31	<0.31	<0.27	<0.27	<0.54	<0.27	<5.0	<5.0	<0.63		<5.0	ND (0.56)
1,1-Dichloroethane	5	<4.8	<0.19	<0.19	<0.11	<0.11	<0.21	<0.11	<1.0	<1.0	<0.26		<1.0	ND (0.57)
1,2-Dichloroethane	0.6	<4.5	<0.18	<0.18	<0.26	<0.26	<0.52	<0.26	<1.0	<1.0	<0.22		<1.0	ND (0.60) b
1,1-Dichloroethene	5	<7.0	<0.28	<0.28	<0.19	<0.19	<0.38	<0.19	<1.0	<1.0	<0.34		<1.0	ND (0.59)
cis-1,2-Dichloroethene	5	<5.4	<0.22	<0.22	<0.19	<0.19	<0.38	<0.19	<1.0	<1.0	<0.24		<1.0	ND (0.51)
trans-1,2-Dichloroethene	5	<7.8	<0.31	<0.31	<0.21	<0.21	<0.42	<0.21	<1.0	<1.0	<0.38		<1.0	ND (0.54)
1,2-Dichloropropane	1	<5.4	<0.22	<0.22	<0.48	<0.48	<0.97	<0.48	<1.0	<1.0	<0.28		<1.0	ND (0.51)
cis-1,3-Dichloropropene	NS	<5.4	<0.22	<0.22	<0.21	<0.21	<0.41	<0.21	<1.0	<1.0	<0.15		<1.0	ND (0.47)
trans-1,3-Dichloropropene	NS	<4.6	<0.19	<0.19	<0.19	<0.19	<0.38	<0.19	<1.0	<1.0	<0.21		<1.0	ND (0.43)
1,4-Dioxane	NS	<1800	<72	<72	<75	<75	<150	<75	<130	<130	<73		<130	ND (19)
Ethylbenzene	5	**11.7** J	**21.4**	0.96 J	**100**	**30.2**	**5.7**	2.3	**58.2**	**5.5**	3.5		3.0	ND (0.60)
Freon 113	NS	<12	<0.49	<0.49	<0.53	<0.53	<1.1	<0.53	<5.0	<5.0	<0.77		<5.0	ND (0.58)
2-Hexanone	50	<76	<3.0	<3.0	<1.1	<1.1	<2.3	<1.1	<5.0	<5.0	<1.7		<5.0	ND (2.0)
Isopropylbenzene	5	<4.9	3.4	1.2 J	**13.6**	3.6	1.3 J	<0.45	**11**	1.7 J	1.2 J		**9.5**	0.99 J
Methyl Acetate	NS	<72	<2.9	<2.9	<1.2	<1.2	<2.3	<1.2	<5.0	<5.0	<1.5		<5.0	ND (0.80)
Methylcyclohexane	NS	<4.6	0.83 J	1.8 J	3.0 J	0.73 J	<0.52	<0.26	2.8 J	0.55 J	0.37 J		0.42 J	ND (0.60)
Methyl Tert Butyl Ether	10	<4.6	<0.18	<0.18	<0.16	<0.16	<0.33	<0.16	<1.0	<1.0	<0.29		<1.0	ND (0.51)
4-Methyl-2-pentanone(MIBK	NS	<30	<1.2	<1.2	<0.83	<0.83	<1.7	<0.83	<5.0	<5.0	<1.5		<5.0	ND (1.9)
Methylene chloride	5	<5.1	<0.20	<0.20	<0.70	<0.70	<1.4	<0.70	<2.0	<2.0	<0.86		<2.0	ND (1.0)
Styrene	NS	<5.7	<0.23	<0.23	<0.21	<0.21	<0.43	<0.21	<5.0	<5.0	<0.30		<5.0	ND (0.49)
1,1,2,2-Tetrachloroethane	5	<5.0	<0.20	<0.20	<0.21	<0.21	<0.43	<0.21	<1.0	<1.0	<0.20		<1.0	ND (0.65)
Tetrachloroethene	5	<8.0	<0.32	<0.32	<0.28	<0.28	<0.56	<0.28	<1.0	<1.0	<0.25		<1.0	ND (0.56)
Toluene	5	**7.3** J	1.9	1.7	1.8	**46.5**	<0.45	0.47 J	0.88 J	<1.0	0.83 J		0.36 J	ND (0.49)
1,2,3-Trichlorobenzene	NS	<17	<0.69	<0.69	<0.28	<0.28	<0.56	<0.28	<5.0	<5.0	<0.24		<5.0	ND (0.50)
1,2,4-Trichlorobenzene	5	<3.7	<0.15	<0.15	<0.20	<0.20	<0.41	<0.20	<5.0	<5.0	<0.22		<5.0	ND (0.50)
1,1,1-Trichloroethane	5	<5.9	<0.24	<0.24	<0.24	<0.24	<0.47	<0.24	<1.0	<1.0	<0.25		<1.0	ND (0.54)
1,1,2-Trichloroethane	1	<5.8	<0.23	<0.23	<0.29	<0.29	<0.57	<0.29	<1.0	<1.0	<0.21		<1.0	ND (0.53)
Trichloroethene	5	<5.3	<0.21	<0.21	<0.22	<0.22	<0.43	<0.22	<1.0	<1.0	<0.50		<1.0	ND (0.53)
Trichlorofluoromethane	5	<8.8	<0.35	<0.35	<0.27	<0.27	<0.53	<0.27	<5.0	<5.0	<0.33		<5.0	ND (0.40)
Vinyl chloride	2	<6.7	<0.27	<0.27	<0.21	<0.21	<0.41	<0.21	<1.0	<1.0	<0.41		<1.0	ND (0.52) b
m,p-Xylene	NS	9.8 J	12.0	8.0	7.6	36.5	<0.85	1.9	1.4	<1.0	1.4		<1.0	ND (0.78)
o-Xylene	NS	6.0 J	13.2	17.5	5.3	22.6	1.1 J	0.91 J	2.6	0.36 J	0.96 J		0.20 J	ND (0.59)
Xylene (total	5	**15.7** J	**25.2**	**25.5**	**12.8**	**59.1**	1.6 J	2.8	4.1	0.57 J	2.4		0.50 J	ND (0.59)

Notes:
All results presented in ug/L.
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-7R													
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA85941-2 9/12/2011 Post Treatment		JA99488-1 2/15/2012		JB6090-7 5/9/2012		JB14495-19 8/28/2012		JB24251-14 12/18/2012		JB31339-1 3/13/2013		JB39234-1 6/10/2013		JB47100-1 9/11/2013		JB56101-1 12/19/2013		JB62930-1 3/25/2014		JB70373-3 6/24/2014		JB77273-4 9/22/2014		JD54013-1 10/19/2022	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																											
2-Chlorophenol	NS	<0.97		<1.1		<9.7		<9.7		<9.7		<4.9		<1.1		<5.0		<5.0		<0.97		<6.3		<5.0		ND (0.84)	
4-Chloro-3-methyl phenol	NS	<1.8		<2.0		<18		<18		<18		<9.1		<2.0		<5.0		<5.0		<1.8		<6.5		<5.0		ND (0.91)	
2,4-Dichlorophenol	5	<1.2		<1.2		<12		<12		<12		<5.8		<1.3		<5.0		<2.0		<1.2		<8.1		<2.0		ND (1.3)	
2,4-Dimethylphenol	1	**153**		**260**		**217**		**261**		**127**		**159**		**382**		**299**		**233**		**316**		**406**		**384**		**126**	
2,4-Dinitrophenol	10	<17		<18		<170		<170		<170		<83		<18		<20		<20		<17		<33		<20		ND (1.6)	a
4,6-Dinitro-o-cresol	NS	<0.99		<1.1		<9.9		<9.9		<9.9		<4.9		<1.1		<20		<20		<0.99		<6.7		<20		ND (1.3)	a
2-Methylphenol	NS	43.4		49.5		36.7		34.2		26.4		34.7		40.2		51.1		44.2		77.9		93.4		68.4		16.9	
3&4-Methylphenol	NS	89.9		151		77.3		57.2		72.0		66.1		81.5		97.6		102		229		262		220		9.8	
2-Nitrophenol	1	<1.5		<1.6		<15		<15		<15		<7.5		<1.6		<5.0		<5.0		<1.5		<9.3		<5.0		ND (0.98)	a
4-Nitrophenol	1	<5.2		<5.6		<52		<52		<52		<26		<5.7		<10		<10		<5.2		<4.5		<10		ND (1.2)	
Pentachlorophenol	NS	<1.4		<1.5		<14		<14		<14		<7.0		<1.5		<10		<10		<1.4		<6.8		<10		ND (1.4)	
Phenol	1	**144**		**85.8**		**62.3**		**64.2**		**64.1**		**49.4**		**61.4**		**98.9**		**78.4**		**122**		**115**		**113**		**10.2**	c
2,3,4,6-Tetrachlorophenol	NS	<0.94		<1.0		<9.4		<9.4		<9.4		<4.7		<1.0		<5.0		<5.0		<0.94		<7.0		<5.0		ND (1.5)	
2,4,5-Trichlorophenol	1	<1.6		<1.7		<16		<16		<16		<7.8		<1.7		<5.0		<5.0		<1.6		<8.6		<5.0		ND (1.4)	
2,4,6-Trichlorophenol	1	<1.3		<1.4		<13		<13		<13		<6.5		<1.4		<5.0		<5.0		<1.3		<7.7		<5.0		ND (0.95)	
Acenaphthene	20	**355**		**328**		**440**		**230**		**224**		**108**		**95.2**		**181**		**154**		**175**		**166**		**123**		111	
Acenaphthylene	NS	40.3		35.0		65.3		38.8		41.6		19.0		18.8		30.5		23.9		21.8		31.8		25.5		12.7	
Acetophenone	NS	293		348		459		398		634		460		595		733		980		954		915		492		13	
Anthracene	50	**50.2**		**52.5**		**137**		**60.0**		**63.8**		13.1		11.7		15.2		6.7		22.6		11.9		10.4		9.3	
Atrazine	7.5	<0.49		<0.53		<4.9		<4.9		<4.9		<2.4		<0.53		<5.0		<2.0		<0.49		<2.1		<2.0		ND (0.46)	
Benzaldehyde	NS	<3.3		<3.5		<33		<33		<33		<16		<3.5		<5.0		<5.0		<3.3		<3.4		<5.0		ND (0.30)	
Benzo(a)anthracene	0.002	**12.5**		**13.7**		**50.6**		**30.9**		**36.1**		**4.6**	J	**3.5**		**10.2**		**2.3**		**0.61**	J	<1.1		**1.2**		1.3	
Benzo(a)pyrene	ND	**7.6**		**9.6**		**32.6**		**21.6**		**26.1**		<1.1		**3.1**		**8.9**		**1.8**		<0.23		<1.2		**0.80**	J	**0.54**	J
Benzo(b)fluoranthene	0.002	**5.9**		**8.5**		**23.8**		**19.1**		**24.6**		<2.3		**2.7**		**8.4**		**1.7**		**0.74**	J	<1.1		**0.77**	J	0.6	J
Benzo(g,h,i)perylene	5	3.5		4.8		**13.0**		**11.3**		**12.8**		<1.6		1.5		3.6		0.89	J	<0.32		<1.5		0.45	J	ND (0.35)	
Benzo(k)fluoranthene	0.002	**1.9**		**3.9**		**16.8**		**9.3**	J	**8.2**	J	<2.5		**0.71**	J	**2.8**		**0.53**	J	<0.51		<1.1		<1.0		0.23	J
4-Bromophenyl phenyl ether	NS	<0.36		<0.39		<3.6		<3.6		<3.6		<1.8		<0.39		<2.0		<2.0		<0.36		<1.2		<2.0		ND (0.41)	
Butyl benzyl phthalate	50	<0.29		<0.31		<2.9		<2.9		<2.9		<1.4		<0.31		<2.0		<2.0		<0.29		<1.1		<2.0		ND (0.47)	
1,1'-Biphenyl	5	**130**		**92.7**		**150**		**79.7**		**91.6**		**44.2**		**39.8**		**70.4**		**61.6**		**68.5**		**68.9**		**52.3**		**43.3**	
2-Chloronaphthalene	10	<0.30		<0.32		<3.0		<3.0		<3.0		<1.5		<0.32		<2.0		<2.0		<0.30		<1.7		<2.0		ND (0.24)	
4-Chloroaniline	5	<0.53		<0.57		<5.3		<5.3		<5.3		<2.6		<0.57		<5.0		<5.0		<0.53		<1.5		<5.0		ND (0.35)	d
Carbazole	NS	23.3		28.8		44.1		32.3		39.3		23.7		18.3		28.1		33.7		34.8		41		39.0		114	
Caprolactam	NS	<0.69		<0.74		<6.9		<6.9		<6.9		<3.4		<0.75		<2.0		<2.0		<0.69		<2.0		<2.0		ND (0.67) [a]	a
Chrysene	0.002	**9.9**		**11.4**		**46.2**		**24.1**		**22.3**		**3.5**	J	**2.5**		**8.1**		**1.4**		**0.41**	J	<0.82		**1.0**		0.94	J
bis(2-Chloroethoxy)methane	5	<0.31		<0.33		<3.1		<3.1		<3.1		<1.5		<0.33		<2.0		<2.0		<0.31		<2.1		<2.0		ND (0.29)	
bis(2-Chloroethyl)ether	1	<0.31		<0.33		<3.1		<3.1		<3.1		<1.5		<0.33		<2.0		<2.0		<0.31		<2.2		<2.0		ND (0.25)	a
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.49		<4.5		<4.5		<4.5		<2.3		<0.49		<2.0		<2.0		<0.45		<2.0		<2.0		ND (0.41)	
4-Chlorophenyl phenyl ether	NS	<0.31		<0.34		<3.1		<3.1		<3.1		<1.6		<0.34		<2.0		<2.0		<0.31		<1.9		<2.0		ND (0.38)	
2,4-Dinitrotoluene	5	<0.43		<0.46		<4.3		<4.3		<4.3		<2.1		<0.46		<2.0		<1.0		<0.43		<1.6		<1.0		ND (0.57)	
2,6-Dinitrotoluene	5	<0.46		<0.50		<4.6		<4.6		<4.6		<2.3		<0.50		<2.0		<1.0		<0.46		<1.3		<1.0		ND (0.49)	
3,3'-Dichlorobenzidine	5	<0.36		<0.39		<3.6		<3.6		<3.6		<1.8		<0.39		<5.0		<2.0		<0.36		<2.8		<2.0		ND (0.52)	
Dibenzo(a,h)anthracene	50	0.79	J	0.48	J	<3.8		<3.8		<3.8		<1.9		<0.41		0.86	J	<1.0		<0.38		<1.4		<1.0		ND (0.34)	
Dibenzofuran	NS	310		299		390		202		221		95.2		72.0		145		116		133		125		96.1		72.9	
Di-n-butyl phthalate	50	<0.56		<0.60		<5.6		<5.6		<5.6		<2.8		<0.60		<2.0		<2.0		<0.56		<2.9		6.4		ND (0.51)	
Di-n-octyl phthalate	50	<0.31		<0.33		<3.1		<3.1		<3.1		<1.5		<0.33		<2.0		<2.0		<0.31		<1.3		2.1		ND (0.24)	
Diethyl phthalate	50	<0.33		<0.35		<3.3		<3.3		<3.3		<1.6		<0.36		<2.0		<2.0		<0.33		<1.2		<2.0		ND (0.27)	
Dimethyl phthalate	50	<0.28		<0.31		<2.8		<2.8		<2.8		<1.4		<0.31		<2.0		<2.0		<0.28		<1.3		<2.0		ND (0.22)	
bis(2-Ethylhexyl)phthalate	5	<0.59		<0.63		<5.9		<5.9		<5.9		<2.9		<0.64		1.2	J	<2.0		4.0	B	<2.8		**6.6**	B	ND (1.7)	
Fluoranthene	50	**69.2**		**84.4**		**256**		**142**		**181**		27.6		18.8		**50.3**		17.1		5.1		6.6		6.4		6.9	
Fluorene	50	**169**		**177**		**277**		**133**		**149**		**50.6**		45.2		**99.1**		**58.6**		**57.3**		**62.1**		49.4		52.4	
Hexachlorobenzene	0.04	<0.34		<0.37		<3.4		<3.4		<3.4		<1.7		<0.37		<1.0		<1.0		<0.34		<2.3		<1.0		ND (0.33)	
Hexachlorobutadiene	0.5	<0.51		<0.55		<5.1		<5.1		<5.1		<2.6		<0.56		<1.0		<1.0		<0.51		<1.9		<1.0		ND (0.50)	
Hexachlorocyclopentadiene	5	<7.1		<7.7		<71		<71		<71		<36		<7.7		<10		<10		<7.1		<2.4		<10		ND (2.9)	
Hexachloroethane	5	<0.55		<0.59		<5.5		<5.5		<5.5		<2.8		<0.60		<2.0		<2.0		<0.55		<1.4		<2.0		ND (0.40)	
Indeno(1,2,3-cd)pyrene	0.002	**2.0**		**4.3**		**9.7**	J	**8.2**	J	**9.2**	J	<1.9		**1.3**		**3.9**		**0.74**	J	<0.37		<2.0		<1.0		ND (0.34)	
Isophorone	5	<0.27		<0.30		<2.7		<2.7		<2.7		<1.4		<0.30		<2.0		<2.0		<0.27		<1.7		<2.0		ND (0.28)	
2-Methylnaphthalene	NS	743		679		878		493		645		368		378		520		553		606		636		405		359	
2-Nitroaniline	5	<1.1		<1.2		<11		<11		<11		<5.6		<1.2		<5.0		<5.0		<1.1		<1.6		<5.0		ND (0.28)	a
3-Nitroaniline	5	<1.3		<1.4		<13		<13		<13		<6.3		<1.4		<5.0		<5.0		<1.3		<1.3		<5.0		ND (0.40)	
4-Nitroaniline	5	<1.7		<1.8		<17		<17		<17		<8.3		<1.8		<5.0		<5.0		<1.7		<1.5		<5.0		ND (0.45)	
Naphthalene	10	**7110**		**14000**		NA		**7570**		**19500**		**7330**		**6040**		**8410**		**11700**		**18300**		**7150**		**10700**		5980	
Nitrobenzene	0.4	<0.42		<0.45		<4.2		<4.2		<4.2		<2.1		<0.46		<2.0		<2.0		<0.42		<2.6		<2.0		ND (0.66)	
N-Nitroso-di-n-propylamine	NS	<0.30		<0.33		<3.0		<3.0		<3.0		<1.5		<0.33		<2.0		<2.0		<0.30		<1.9		<2.0		ND (0.49)	
N-Nitrosodiphenylamine	50	<0.31		<0.33		<3.1		<3.1		<3.1		<1.5		<0.33		<5.0		<5.0		<0.31		<1.0		<5.0		ND (0.23)	
Phenanthrene	50	**523**		**539**		**950**		**440**		**475**		**108**		**79.0**		**184**		**93.8**		**84.4**		**83.3**		**66.7**		51.1	
Pyrene	50	**60.5**		**53.0**		**197**		**99.0**		**112**		17.7		13.1		35.2		9		3.3		4.5	J	5.0		5.6	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.33		<3.1		<3.1		<3.1		<1.5		<0.33		<2.0		<2.0		<0.31		<2.2		<2.0		ND (0.38)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-9 (Treatment Zone Well)												
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA85941-1 9/12/2011 Post Treatment Result Q	JA99361-1 2/14/2012 Result Q	JB5986-1 5/8/2012 Result Q	JB14495-1 8/27/2012 Result Q	JB24251-1 12/18/2012 Result Q	JB31021-1 3/11/2013 Result Q	JB39020-1 6/6/2013 Result Q	JB46946-1 9/10/2013 Result Q	JB55981-1 12/18/2013 Result Q	JB62930-2 3/25/2014 Result Q	JB70168-8 6/24/2014 Result Q	JB77273-13 9/23/2014 Result Q	JD54013-13 10/20/2022 Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.97	<0.97	<0.97	<9.7	<0.97	<0.97	<25	<5.0	<1.0	<1.3	<5.0	ND (0.86)
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<1.8	<18	<1.8	<1.8	<25	<5.0	<1.9	<1.3	<5.0	ND (0.94)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<25	<2.0	<1.2	<1.6	<2.0	ND (1.3)
2,4-Dimethylphenol	1	154	209	187	91.5	113	144	88.4 J	110	137	141	78.8	83.9	92.3
2,4-Dinitrophenol	10	<17	<17	<17	<17	<170	<17	<17	<100	<20	<17	<6.5	<20	ND (1.6) a
4,6-Dinitro-o-cresol	NS	<0.99	<0.99	<0.99	<0.99	<9.9	<0.99	<0.99	<100	<20	<1.0	<1.3	<20	ND (1.4) a
2-Methylphenol	NS	75.2	465	373	192	95.8	97.7	77.0	63.9	137	223	200	189	19.5
3&4-Methylphenol	NS	106	465	357	205	101	163	130	196	323	397	336	211	34.7
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<25	<5.0	<1.6	<1.9	<5.0	ND (1.0) a
4-Nitrophenol	1	<5.2	<5.2	<5.2	<5.2	<52	<5.2	<5.2	<50	<10	<5.5	<0.91	<10	ND (1.2)
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<14	<1.4	<1.4	<50	<10	<1.5	<1.4	<10	ND (1.5)
Phenol	1	111	66.2	248	326	202	227	146	157	261	216	170 a	236	11.1 c
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.94	<0.94	<0.94	<9.4	<0.94	<0.94	<25	<5.0	<0.99	<1.4	<5.0	ND (1.5)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<25	<5.0	<1.6	<1.7	<5.0	ND (1.4)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<25	<5.0	<1.4	<1.5	<5.0	ND (0.97)
Acenaphthene	20	155	209	133	70.1	74.8	58.8	61.8	115	220	311	303	205	81.4
Acenaphthylene	NS	16.4	13.4	10.4	6.6	5.5 J	3.9	4.4	10.5	13.1	16.5	21.5	15.2	11.1
Acetophenone	NS	<0.29	89.2	71.2	44.9	91.9	94.6	<0.29	131	290	370	400	496	67.2
Anthracene	50	6.8	11.6	8.0	8.5	6.4 J	5.2	7.8	12.9	11.1	29.6	37.7	24.1	4.7
Atrazine	7.5	<0.49	<0.49	<0.49	<0.49	<4.9	<0.49	<0.49	<25	<2.0	<0.51	<0.42	<2.0	ND (0.47)
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<33	<3.3	<3.3	<25	<5.0	<3.4	<0.67	<5.0	ND (0.30)
Benzo(a)anthracene	0.002	<0.23	2.8	<0.23	<0.23	<2.3	<0.23	0.54 J	2.3 J	2.3	4.9	6.1	3.9	0.72 J
Benzo(a)pyrene	ND	<0.23	1.8	<0.23	<0.23	<2.3	<0.23	<0.23	<5.0	1.6	2.9	3.7	2.4	0.4 J
Benzo(b)fluoranthene	0.002	<0.46	2.0	<0.46	<0.46	<4.6	<0.46	<0.46	<5.0	1.9	3.6	3.7	2.4	0.44 J
Benzo(g,h,i)perylene	5	<0.32	1.1	<0.32	<0.32	<3.2	<0.32	<0.32	<5.0	2	2.0	2.1	1.6	ND (0.36)
Benzo(k)fluoranthene	0.002	<0.51	1.2	<0.51	<0.51	<5.1	<0.51	<0.51	<5.0	<1.0	0.74 J	0.89 J	0.57 J	ND (0.22)
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<10	<2.0	<0.38	<0.25	<2.0	ND (0.43)
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<10	<2.0	<0.30	<0.22	<2.0	ND (0.48)
1,1'-Biphenyl	5	64.4	75.1	57.6	32.3	47.6	34.1	28.6	60.2	109	137	182	98.4	43.7
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<10	<2.0	<0.31	<0.34	<2.0	ND (0.25)
4-Chloroaniline	5	<0.53	<0.53	<0.53	<0.53	<5.3	<0.53	<0.53	<25	<5.0	<0.56	<0.30	<5.0	ND (0.36) d
Carbazole	NS	68.8	60.0	39.1	26.1	17.6	22.7	15.3	29.6	51.6	72.1	83.2	81.4	57.6
Caprolactam	NS	<0.69	<0.69	<0.69	<0.69	<6.9	<0.69	<0.69	<10	<2.0	<0.73	<0.41	<2.0	ND (0.68) a
Chrysene	0.002	<0.29	2.4	<0.29	<0.29	<2.9	<0.29	0.44 J	2 J	2.5	4.1	4.8	2.7	0.47 J
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<10	<2.0	<0.32	<0.42	<2.0	ND (0.29)
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<10	<2.0	<0.32	<0.43	<2.0	ND (0.26) a
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.45	<0.45	<0.45	<4.5	<0.45	<0.45	<10	<2.0	<0.48	<0.41	<2.0	ND (0.42)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<10	<2.0	<0.33	<0.38	<2.0	ND (0.39)
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.43	<10	<1.0	<0.45	<0.32	<1.0	ND (0.58)
2,6-Dinitrotoluene	5	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<10	<1.0	<0.49	<0.26	<1.0	ND (0.50)
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<25	<2.0	<0.38	<0.56	<2.0	ND (0.53)
Dibenzo(a,h)anthracene	50	<0.38	<0.38	<0.38	<0.38	<3.8	<0.38	<0.38	<5.0	<1.0	<0.40	<0.28	<1.0	ND (0.35)
Dibenzofuran	NS	117	185	82.3	55.9	72.4	70.9	54.0	121	212	299	300 a	193	64.3
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<0.56	<5.6	<0.56	<0.56	<10	<2.0	<0.58	<0.58	14.1 B	ND (0.52)
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<10	<2.0	<0.32	<0.25	<2.0	ND (0.25)
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.33	<10	<2.0	<0.34	<0.23	<2.0	ND (0.28)
Dimethyl phthalate	50	<0.28	<0.28	<0.28	<0.28	<2.8	<0.28	<0.28	<10	<2.0	<0.30	<0.26	<2.0	ND (0.23)
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.59	<0.59	<0.59	<5.9	<0.59	<0.59	<10	<2.0	6.8 B	<0.55	2.1 B	ND (1.7)
Fluoranthene	50	1.5	10.4	2.5	1.5	<3.2	1.7	2.0	5.2	6.8	26.6	34.6	18.4	2.8
Fluorene	50	51.9	66.1	35.7	22.8	14.9	22.0	24.9	48.8	72.4	157	168	93.6	33.5
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.34	<5.0	<1.0	<0.36	<0.46	<1.0	ND (0.34)
Hexachlorobutadiene	0.5	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<5.0	<1.0	<0.54	<0.39	<1.0	ND (0.52)
Hexachlorocyclopentadiene	5	<7.1	<7.1	<7.1	<7.1	<71	<7.1	<7.1	<50	<10	<7.5	<0.48	<10	ND (2.9)
Hexachloroethane	5	<0.55	<0.55	<0.55	<0.55	<5.5	<0.55	<0.55	<10	<2.0	<0.58	<0.29	<2.0	ND (0.41)
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.37	<0.37	<0.37	<3.7	<0.37	<0.37	<5.0	0.98 J	0.79 J	0.81 J	0.86 J	ND (0.35)
Isophorone	5	<0.27	<0.27	<0.27	<0.27	<2.7	<0.27	<0.27	<10	<2.0	<0.29	<0.34	<2.0	ND (0.29)
2-Methylnaphthalene	NS	655	908	796	584	569	537	316	645	1160	1280	1170	769	439
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<11	<1.1	<1.1	<25	<5.0	<1.2	<0.32	<5.0	ND (0.29) a
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<25	<5.0	<1.3	<0.26	<5.0	ND (0.41)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<17	<1.7	<1.7	<25	<5.0	<1.7	<0.30	<5.0	ND (0.46)
Naphthalene	10	7970	21200	9320	11200	7540	8590	4780	7130	14100	15500	11800	13900	6850
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<0.42	<4.2	<0.42	<0.42	<10	<2.0	<0.44	<0.52	<2.0	ND (0.68)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<10	<2.0	<0.32	<0.38	<2.0	ND (0.51)
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<25	<5.0	<0.32	<0.21	<5.0	ND (0.23)
Phenanthrene	50	42.1	87.0	30.0	21.2	11.7	23.3	23.6	59.3	131	334	341	176	31.2
Pyrene	50	1.1	11.6	1.7	<0.27	<2.7	1.2	3.7 J	5.5	18.1	19.7	10	10	2.1
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<10	<2.0	<0.32	<0.44	<2.0	ND (0.39)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-10 (Treatment Zone Well) JA86022-4 9/13/2011 Post Treatment Result	Q	JA99488-2 2/15/2012 Result	Q	JB6090-5 5/9/2012 Result	Q	JB14495-2 8/27/2012 Result	Q	JB24346-1 12/19/2012 Result	Q	JB31021-2 3/11/2013 Result	Q	JB39020-2 6/6/2013 Result	Q	JB46946-2 9/10/2013 Result	Q	JB55981-2 12/18/2013 Result	Q	JB62825-1 3/24/2014 Result	Q	NOT SAMPLED	JB77273-17 9/23/2014 Result	Q	JD54013-11 10/20/2022	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																										
2-Chlorophenol	NS	<0.97		<0.97		<0.97		<19		<0.97		<0.97		<0.97		<50		<5.0		<0.97			<5.0		ND (0.82)	
4-Chloro-3-methyl phenol	NS	<1.8		<1.8		<1.8		<36		<1.8		<1.8		<1.8		<50		<5.0		<1.8			<5.0		ND (0.89)	
2,4-Dichlorophenol	5	<1.2		<1.2		<1.2		<23		<1.2		<1.2		<1.2		<50		<2.0		<1.2			<2.0		ND (1.3)	
2,4-Dimethylphenol	1	**10.0**		<1.5		<1.5		<31		<1.5		**80.9**		<1.5		<50		**11.3**		**17.0**			**39.4**		ND (2.4)	
2,4-Dinitrophenol	10	<17		<17		<17		<330		<17		<17		<17		<200		<20		<17			<20		ND (1.6)	a
4,6-Dinitro-o-cresol	NS	<0.99		<0.99		<0.99		<20		<0.99		<0.99		<0.99		<200		<20		<0.99			<20		ND (1.3)	a
2-Methylphenol	NS	3.7		1.1	J	<1.0		<21		<1.0		<1.0		<1.0		<20		<2.0		<1.0			3.0		ND (0.89)	
3&4-Methylphenol	NS	26.1		43.2		19.8		<19		<0.93		5.4		<0.93		<20		5.6		6.6			<2.0		ND (0.88)	
2-Nitrophenol	1	<1.5		<1.5		<1.5		<30		<1.5		<1.5		<1.5		<50		<5.0		<1.5			<5.0		ND (0.96)	a
4-Nitrophenol	1	<5.2		<5.2		<5.2		<100		<5.2		<5.2		<5.2		<100		<10		<5.2			<10		ND (1.2)	
Pentachlorophenol	NS	<1.4		<1.4		<1.4		<28		<1.4		<1.4		<1.4		<100		<10		<1.4			<10		ND (1.4)	
Phenol	1	**10.7**		<1.3		**6.7**		<26		<1.3		<1.3		<1.3		<20		<2.0		<1.3			<2.0		0.99	Jc
2,3,4,6-Tetrachlorophenol	NS	<0.94		<0.94		<0.94		<19		<0.94		<0.94		<0.94		<50		<5.0		<0.94			<5.0		ND (1.5)	
2,4,5-Trichlorophenol	1	<1.6		<1.6		<1.6		<31		<1.6		<1.6		<1.6		<50		<5.0		<1.6			<5.0		ND (1.3)	
2,4,6-Trichlorophenol	1	<1.3		<1.3		<1.3		<26		<1.3		<1.3		<1.3		<50		<5.0		<1.3			<5.0		ND (0.92)	
Acenaphthene	20	**375**		**53.5**		**2190**		**3880**		**294**		**402**		**269**		**869**		**422**		**350**			**285**		190	
Acenaphthylene	NS	6.6		2.4		36.1		88.6		4.9		5.4		6.0		26.2		7.3		6.8			6.0		4.5	
Acetophenone	NS	<0.29		<0.29		<0.29		<5.7		<0.29		<0.29		<0.29		<20		<2.0		<0.29			3.0		2.2	
Anthracene	50	**66.4**		9.2		**706**		**1080**		38.3		38.1		31.8		**275**		42.9		19.4			19.4		35.8	
Atrazine	7.5	<0.49		<0.49		<0.49		<9.8		<0.49		<0.49		<0.49		<50		<2.0		<0.49			<2.0		ND (0.45)	
Benzaldehyde	NS	<3.3		<3.3		<3.3		<65		<3.3		<3.3		<3.3		<50		<5.0		<3.3			<5.0		ND (0.29)	
Benzo(a)anthracene	0.002	**12.3**		**2.4**		**87.9**		**228**		**5.1**		**4.7**		**4.4**		**50.2**		**8**		**1.2**			**2.6**		6.2	
Benzo(a)pyrene	ND	**6.4**		**1.8**		**45.4**		**116**		**2.5**		**2.3**		**2.2**		**25.9**		**4**		**0.56**	J		**1.4**		**3.5**	
Benzo(b)fluoranthene	0.002	**5.5**		**1.5**		**41.3**		**99.9**		**2.0**		**2.4**		**2.4**	J	**26.3**		**4.1**		**0.62**	J		**1.4**		3.9	
Benzo(g,h,i)perylene	5	2.8		1.0		**20.6**		**52.1**		0.90	J	1.2		0.99	J	<10		2		<0.32			0.67	J	1.9	
Benzo(k)fluoranthene	0.002	**4.2**		**2.4**		**27.7**		**91.4**		**1.8**		**1.4**		**0.88**	J	**10.2**		**1.7**		<0.51			**0.65**	J	1.5	
4-Bromophenyl phenyl ether	NS	<0.36		<0.36		<0.36		<7.1		<0.36		<0.36		<0.36		<20		<2.0		<0.36			<2.0		ND (0.40)	
Butyl benzyl phthalate	50	<0.29		<0.29		<0.29		<5.8		<0.29		<0.29		<0.29		<20		<2.0		<0.29			<2.0		ND (0.46)	
1,1'-Biphenyl	5	**156**		**31.3**		**873**		**1360**		**120**		**151**		**81.0**		**380**		**176**		**128**			**105**		**61.9**	
2-Chloronaphthalene	10	<0.30		<0.30		<0.30		<5.9		<0.30		<0.30		<0.30		<20		<2.0		<0.30			<2.0		ND (0.24)	
4-Chloroaniline	5	<0.53		<0.53		<0.53		<11		<0.53		<0.53		<0.53		<50		<5.0		<0.53			<5.0		ND (0.34)	d
Carbazole	NS	41.9		15.0		219		262		79.4		56.6		42.9		114		65.4		63.3			66.0		69.3	
Caprolactam	NS	<0.69		<0.69		<0.69		<14		<0.69		<0.69		<0.69		<20		<2.0		<0.69			<2.0		ND (0.65)	a
Chrysene	0.002	**11.1**		**2.0**		**74.6**		**211**		**4.1**		**3.8**		**3.5**		**41.2**		**6.7**		**1.1**			**2.1**		5	
bis(2-Chloroethoxy)methane	5	<0.31		<0.31		<0.31		<6.1		<0.31		<0.31		<0.31		<20		<2.0		<0.31			<2.0		ND (0.28)	
bis(2-Chloroethyl)ether	1	<0.31		<0.31		<0.31		<6.2		<0.31		<0.31		<0.31		<20		<2.0		<0.31			<2.0		ND (0.25	a
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.45		<0.45		<9.1		<0.45		<0.45		<0.45		<20		<2.0		<0.45			<2.0		ND (0.40)	
4-Chlorophenyl phenyl ether	NS	<0.31		<0.31		<0.31		<6.2		<0.31		<0.31		<0.31		<20		<2.0		<0.31			<2.0		ND (0.37)	
2,4-Dinitrotoluene	5	<0.43		<0.43		<0.43		<8.5		<0.43		<0.43		<0.43		<20		<1.0		<0.43			<1.0		ND (0.55)	
2,6-Dinitrotoluene	5	<0.46		<0.46		<0.46		<9.2		<0.46		<0.46		<0.46		<20		<1.0		<0.46			<1.0		ND (0.48)	
3,3'-Dichlorobenzidine	5	<0.36		<0.36		<0.36		<7.2		<0.36		<0.36		<0.36		<50		<2.0		<0.36			<2.0		ND (0.51)	
Dibenzo(a,h)anthracene	50	0.98	J	<0.38		8.7		19.1	J	<0.38		<0.38		<0.38		<10		0.6	J	<0.38			<1.0		0.52 J	3.6)
Dibenzofuran	NS	298		47.1		1870		3320		223		301		174		771		335		254			208	J	149	
Di-n-butyl phthalate	50	<0.56		<0.56		<0.56		<11		<0.56		<0.56		<0.56		<20		<2.0		<0.56			2.8		ND (0.50)	
Di-n-octyl phthalate	50	<0.31		<0.31		<0.31		<6.2		<0.31		<0.31		<0.31		<20		<2.0		<0.31			<2.0		ND (0.23)	
Diethyl phthalate	50	<0.33		<0.33		<0.33		<6.5		<0.33		<0.33		<0.33		<20		<2.0		<0.33			<2.0		ND (0.26)	
Dimethyl phthalate	50	<0.28		<0.28		<0.28		<5.7		<0.28		<0.28		<0.28		<20		<2.0		<0.28			<2.0		ND (0.22)	
bis(2-Ethylhexyl)phthalate	5	1.4	J	1.0	J	**6.0**		<12		<0.59		<0.59		<0.59		<20		3.7		1.8	J		1.3	JB	ND (1.7)	
Fluoranthene	50	**63.5**		10.4		**750**		**1200**		32.5		30.6		30.5		**296**		46.2		11.1			16.7		33.3	
Fluorene	50	**206**		32.3		**1660**		**3210**		**148**		**208**		**139**		**662**		**212**		**158**			**124**		111	
Hexachlorobenzene	0.04	<0.34		<0.34		<0.34		<6.8		<0.34		<0.34		<0.34		<10		<1.0		<0.34			<1.0		ND (0.33)	
Hexachlorobutadiene	0.5	<0.51		<0.51		<0.51		<10		<0.51		<0.51		<0.51		<10		<1.0		<0.51			<1.0		ND (0.49)	
Hexachlorocyclopentadiene	5	<7.1		<7.1		<7.1		<140		<7.1		<7.1		<7.1		<100		<10		<7.1			<10		ND (2.8)	
Hexachloroethane	5	<0.55		<0.55		<0.55		<11		<0.55		<0.55		<0.55		<20		<2.0		<0.55			<2.0		ND (0.39)	
Indeno(1,2,3-cd)pyrene	0.002	**2.7**		**0.98**	J	**18.6**		**49.7**		**0.96**	J	**0.95**	J	**1.1**		<10		**2.1**		<0.37			**0.66**	J	2.2	
Isophorone	5	<0.27		<0.27		<0.27		<5.5		<0.27		<0.27		<0.27		<20		<2.0		<0.27			<2.0		ND (0.28)	
2-Methylnaphthalene	NS	705		49.2		4980		8890		858		1050		677		2810		1170		904			637		379	
2-Nitroaniline	5	<1.1		<1.1		<1.1		<22		<1.1		<1.1		<1.1		<50		<5.0		<1.1			<5.0		ND (0.28)	a
3-Nitroaniline	5	<1.3		<1.3		<1.3		<25		<1.3		<1.3		<1.3		<50		<5.0		<1.3			<5.0		ND (0.39)	
4-Nitroaniline	5	<1.7		<1.7		<1.7		<33		<1.7		<1.7		<1.7		<50		<5.0		<1.7			<5.0		ND (0.44)	
Naphthalene	10	**4900**		**62.7**		**20200**		**29300**		**10100**		**7090**		**5560**		**14100**		**9820**		**7010**			**8070**		4510	
Nitrobenzene	0.4	<0.42		<0.42		<0.42		<8.4		<0.42		<0.42		<0.42		<20		<2.0		<0.42			<2.0		ND (0.64)	
N-Nitroso-di-n-propylamine	NS	<0.30		<0.30		<0.30		<6.0		<0.30		<0.30		<0.30		<20		<2.0		<0.30			<2.0		ND (0.48)	
N-Nitrosodiphenylamine	50	<0.31		<0.31		<0.31		<6.1		<0.31		<0.31		<0.31		<50		<5.0		<0.31			<5.0		ND (0.22)	
Phenanthrene	50	**352**		33.0		**3100**		**5260**		**205**		**263**		**155**		**1220**		**315**		**139**			**142**		165	
Pyrene	50	48.8		7.4		**477**		**813**		20.0		24.2		17.2		**188**		34		6.5			10.9		24.8	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.31		<0.31		<6.1		<0.31		<0.31		<0.31		<20		<2.0		<0.31			<2.0		ND (0.37)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analy
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-11D												
Lab Sample ID	**NYSDEC TOGS 1.1.1**	**JA86145-1**	**JA99361-2**	**JB5986-2**	**JB14495-3**	**JB24251-2**	**JB31021-3**	**JB39020-3**	**JB46946-3**	**JB55981-3**	**JB62825-2**		**JB77273-12**	**JD54013-6**
Date Sampled	**Class GA Ambient Water Quality Standards and Guidance Values**	**9/14/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED**	**9/23/2014**	**10/20/2022**
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.97	<0.97	<0.97	<9.7	<0.97	<0.97	<5.0	<25	<0.97		<5.0	ND (0.86)
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<1.8	<18	<1.8	<1.8	<5.0	<25	<1.8		<5.0	ND (0.94)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<5.0	<10	<1.2		<2.0	ND (1.3)
2,4-Dimethylphenol	1	**35.8**	**12.6**	**46.9**	**26.8**	**26.5** J	**40.6**	**51.4**	**75**	**33.7**	**68.7**		**62.2**	**419**
2,4-Dinitrophenol	10	<17	<17	<17	<17	<170	<17	<17	<20	<100	<17		<20	ND (1.6) a
4,6-Dinitro-o-cresol	NS	<0.99	<0.99	<0.99	<0.99	<9.9	<0.99	<0.99	<20	<100	<0.99		<20	ND (1.4) a
2-Methylphenol	NS	29.5	26.8	22.6	14.4	19.6 J	<1.0	19.8	19.1	23.4	17.8		26.2	10.7
3&4-Methylphenol	NS	52.3	44.0	36.6	27.8	<9.3	38.2	30.5	42.4	32.9	29.1		37.6	13.3
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<5.0	<25	<1.5		<5.0	ND (1.0) a
4-Nitrophenol	1	<5.2	<5.2	<5.2	<5.2	<52	<5.2	<5.2	<10	<50	<5.2		<10	ND (1.2)
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<14	<1.4	<1.4	<10	<50	<1.4		<10	ND (1.5)
Phenol	1	**11.9**	**7.4**	**6.6**	<1.3	<13	<1.3	<1.3	<2.0	<10	<1.3		<2.0	**11.2** c
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.94	<0.94	<0.94	<9.4	<0.94	<0.94	<5.0	<25	<0.94		<5.0	ND (1.5)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<5.0	<25	<1.6		<5.0	ND (1.4)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.0	<25	<1.3		<5.0	ND (0.97)
Acenaphthene	20	**326**	**341**	**300**	**250**	**261**	**321**	**299**	**363**	**442**	**427**		**336**	184
Acenaphthylene	NS	5.2	4.2	3.3	2.9	4.3 J	3.2	<0.23	7	<5.0	5.1		5.3	5.3
Acetophenone	NS	9.2	<0.29	7.9	4.5	<2.9	<0.29	<0.29	<2.0	10.4	<0.29		<2.0	4.3
Anthracene	50	12.6	<0.29	<0.29	<0.29	<2.9	15.5	11.8	21	25.2	19.4		15.5	5.8
Atrazine	7.5	<0.49	<0.49	<0.49	<0.49	<4.9	<0.49	<0.49	<5.0	<10	<0.49		<2.0	ND (0.47)
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<33	<3.3	<3.3	<5.0	<25	<3.3		<5.0	ND (0.30)
Benzo(a)anthracene	0.002	**0.53** J	<0.23	<0.23	**0.58** J	<2.3	**0.96** J	<0.23	**1.2**	**2.1** J	**1.1**		**0.68** J	ND (0.21)
Benzo(a)pyrene	ND	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.23	<1.0	<5.0	**0.48** J		<1.0	ND (0.22)
Benzo(b)fluoranthene	0.002	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<1.0	<5.0	**0.61** J		<1.0	ND (0.22)
Benzo(g,h,i)perylene	5	<0.32	<0.32	<0.32	<0.32	<3.2	<0.32	<0.32	<1.0	<5.0	<0.32		<1.0	ND (0.36)
Benzo(k)fluoranthene	0.002	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.0	<5.0	<0.51		<1.0	ND (0.22)
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<2.0	<10	<0.36		<2.0	ND (0.43)
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.0	<10	<0.29		<2.0	ND (0.48)
1,1'-Biphenyl	5	**96.6**	**113**	**86.7**	**51.7**	**92.2**	**85.9**	**74.3**	**125**	**153**	**134**		**105**	**38.4**
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.0	<10	<0.30		<2.0	ND (0.25)
4-Chloroaniline	5	<0.53	<0.53	<0.53	<0.53	<5.3	<0.53	<0.53	<5.0	<25	<0.53		<5.0	ND (0.36) d
Carbazole	NS	86.7	96.3	81.4	59.4	92.8	66.2	54.9	71.2	107	79.5		86.5 J	ND (0.24)
Caprolactam	NS	<0.69	<0.69	<0.69	<0.69	<6.9		<0.69	<2.0	<10	<0.69		<2.0	ND (0.68) a
Chrysene	0.002	**0.41** J	<0.29	<0.29	<0.29	<2.9	**0.73** J	<0.29	**0.88** J	<5.0	**0.74** J		**0.47** J	ND (0.19)
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<10	<0.31		<2.0	ND (0.29)
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<10	<0.31		<2.0	ND (0.26) a
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.45	<0.45	<0.45	<4.5	<0.45	<0.45	<2.0	<10	<0.45		<2.0	ND (0.42)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<10	<0.31		<2.0	ND (0.39)
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.43	<2.0	<5.0	<0.43		<1.0	ND (0.58)
2,6-Dinitrotoluene	5	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<2.0	<5.0	<0.46		<1.0	ND (0.50)
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<5.0	<10	<0.36		<2.0	ND (0.53)
Dibenzo(a,h)anthracene	50	<0.38	<0.38	<0.38	<0.38	<3.8	<0.38	<0.38	<1.0	<5.0	<0.38		<1.0	ND (0.35)
Dibenzofuran	NS	202	189	189	96.7	184	202	166	256 J	287	273		210	90.2
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<0.56	<5.6	<0.56	<0.56	<2.0	<10	<0.56		3.6	ND (0.52)
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<10	<0.31		1.9 J	ND (0.25)
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.33	<2.0	<10	<0.33		<2.0	ND (0.28)
Dimethyl phthalate	50	<0.28	<0.28	<0.28	<0.28	<2.8	<0.28	1.4 J	<2.0	<10	<0.28		<2.0	ND (0.23)
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.59	<0.59	<0.59	<5.9	<0.59	1.3 J	<2.0	<10	1.9 J		**7.1**	ND (1.7)
Fluoranthene	50	4.4	3.9	4.3	3.2	6.4 J	8.1	5.8	9.4	13.3	10.6		6.3	1.8
Fluorene	50	**120**	**121**	**98.4**	**65.5**	**108**	**129**	**113**	**138**	**171**	**171**		**120**	57.4
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.34	<1.0	<5.0	<0.34		<1.0	ND (0.34)
Hexachlorobutadiene	0.5	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.0	<5.0	<0.51		<1.0	ND (0.52)
Hexachlorocyclopentadiene	5	<7.1	<7.1	<7.1	<7.1	<71	<7.1	<7.1	<10	<50	<7.1		<10	ND (2.9)
Hexachloroethane	5	<0.55	<0.55	<0.55	<0.55	<5.5	<0.55	<0.55	<2.0	<10	<0.55		<2.0	ND (0.41)
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.37	<0.37	<0.37	<3.7	<0.37	<0.37	<1.0	<5.0	<0.37		<1.0	ND (0.35)
Isophorone	5	<0.27	<0.27	<0.27	<0.27	<2.7	<0.27	<0.27	<2.0	<10	<0.27		<2.0	ND (0.29)
2-Methylnaphthalene	NS	754	627	669	466	591	601	561	718	881	666		607	316
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<11	<1.1	<1.1	<5.0	<25	<1.1		<5.0	ND (0.29) a
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.0	<25	<1.3		<5.0	ND (0.41)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<17	<1.7	<1.7	<5.0	<25	<1.7		<5.0	ND (0.46)
Naphthalene	10	**7960**	**18500**	**7800**	**7220**	**7820**	**6400**	**8280**	**6840**	**9270**	**7910**		**7820**	5650
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<0.42	<4.2	<0.42	<0.42	<2.0	<10	<0.42		<2.0	ND (0.68)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.0	<10	<0.30		<2.0	ND (0.51)
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<5.0	<25	<0.31		<5.0	ND (0.23)
Phenanthrene	50	**74.9**	**87.3**	**73.9**	49.5	**79.6**	**83.6**	**67.9**	**115**	**153**	**135**		**98.2** J	44
Pyrene	50	2.3	2.3	2.8	2.0	<2.7	5.5	3.1	5.8	8.8	6.2		4.0	1.1
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<10	<0.31		<2.0	ND (0.39)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-12D													
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA86145-4 9/14/2011 Post Treatment Result	Q	JA99361-3 2/14/2012 Result	Q	JB5986-3 5/8/2012 Result	Q	JB14495-4 8/27/2012 Result	Q	JB24251-13 12/18/2012 Result	Q	JB31021-4 3/11/2013 Result	Q	JB39234-2 6/10/2013 Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)															
2-Chlorophenol	NS	<19		<0.97		<0.97		<0.97		<0.97		<0.97		<0.97	
4-Chloro-3-methyl phenol	NS	<36		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8	
2,4-Dichlorophenol	5	<23		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2	
2,4-Dimethylphenol	1	<31		12.3		16.9		11.2		20.0		27.8		31.2	
2,4-Dinitrophenol	10	<330		<17		<17		<17		<17		<17		<17	
4,6-Dinitro-o-cresol	NS	<20		<0.99		<0.99		<0.99		<0.99		<0.99		<0.99	
2-Methylphenol	NS	70.4		<1.0		11.6		7.3		43.0		23.1		8.3	
3&4-Methylphenol	NS	135		13.6		21.6		15.3		44.9		25.5		9.9	
2-Nitrophenol	1	<30		<1.5		<1.5		<1.5		<1.5		<1.5		<1.5	
4-Nitrophenol	1	<100		<5.2		<5.2		<5.2		<5.2		<5.2		<5.2	
Pentachlorophenol	NS	<28		<1.4		<1.4		<1.4		<1.4		<1.4		<1.4	
Phenol	1	64.1		<1.3		7.6		<1.3		18.4		<1.3		<1.3	
2,3,4,6-Tetrachlorophenol	NS	<19		<0.94		<0.94		<0.94		<0.94		<0.94		<0.94	
2,4,5-Trichlorophenol	1	<31		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6	
2,4,6-Trichlorophenol	1	<26		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3	
Acenaphthene	20	149		45.6		80.7		74.7		187		334		277	
Acenaphthylene	NS	<4.6		<0.23		<0.23		<0.23		1.5		1.4		<0.23	
Acetophenone	NS	<5.7		11.2		10.6		<0.29		3.2		<0.29		<0.29	
Anthracene	50	<5.8		1.1		2.0		1.9		2.0		<0.29		1.9	
Atrazine	7.5	<9.8		<0.49		<0.49		<0.49		<0.49		<0.49		<0.49	
Benzaldehyde	NS	<65		<3.3		<3.3		<3.3		<3.3		<3.3		<3.3	
Benzo(a)anthracene	0.002	<4.5		0.40	J	<0.23		<0.23		<0.23		<0.23		<0.23	
Benzo(a)pyrene	ND	<4.5		<0.23		<0.23		<0.23		<0.23		<0.23		<0.23	
Benzo(b)fluoranthene	0.002	<9.1		<0.46		<0.46		<0.46		<0.46		<0.46		<0.46	
Benzo(g,h,i)perylene	5	<6.4		<0.32		<0.32		<0.32		<0.32		<0.32		<0.32	
Benzo(k)fluoranthene	0.002	<10		<0.51		<0.51		<0.51		<0.51		<0.51		<0.51	
4-Bromophenyl phenyl ether	NS	<7.1		<0.36		<0.36		<0.36		<0.36		<0.36		<0.36	
Butyl benzyl phthalate	50	<5.8		<0.29		<0.29		<0.29		<0.29		<0.29		<0.29	
1,1'-Biphenyl	5	40.1		12.5		25.7		22.7		39.4		55.7		37.8	
2-Chloronaphthalene	10	<5.9		<0.30		<0.30		<0.30		<0.30		<0.30		<0.30	
4-Chloroaniline	5	<11		<0.53		<0.53		<0.53		<0.53		<0.53		<0.53	
Carbazole	NS	53.6		38.6		45.0		34.8		36.1		57.5		43.6	
Caprolactam	NS	<14		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69	
Chrysene	0.002	<5.7		<0.29		<0.29		<0.29		<0.29		<0.29		<0.29	
bis(2-Chloroethoxy)methane	5	<6.1		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
bis(2-Chloroethyl)ether	1	<6.2		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
bis(2-Chloroisopropyl)ether	NS	<9.1		<0.45		<0.45		<0.45		<0.45		<0.45		<0.45	
4-Chlorophenyl phenyl ether	NS	<6.2		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
2,4-Dinitrotoluene	5	<8.5		<0.43		<0.43		<0.43		<0.43		<0.43		<0.43	
2,6-Dinitrotoluene	5	<9.2		<0.46		<0.46		<0.46		<0.46		<0.46		<0.46	
3,3'-Dichlorobenzidine	5	<7.2		<0.36		<0.36		<0.36		<0.36		<0.36		<0.36	
Dibenzo(a,h)anthracene	50	<7.6		<0.38		<0.38		<0.38		<0.38		<0.38		<0.38	
Dibenzofuran	NS	61.6	J	25.2		36.8		32.9		113		189		83.8	
Di-n-butyl phthalate	50	<11		<0.56		<0.56		<0.56		<0.56		<0.56		<0.56	
Di-n-octyl phthalate	50	<6.2		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
Diethyl phthalate	50	<6.5		<0.33		<0.33		<0.33		<0.33		<0.33		<0.33	
Dimethyl phthalate	50	<5.7		<0.28		<0.28		<0.28		<0.28		<0.28		<0.28	
bis(2-Ethylhexyl)phthalate	5	<12		<0.59		<0.59		<0.59		<0.59		<0.59		<0.59	
Fluoranthene	50	<6.4		0.87	J	1.4		0.61	J	1.1		1.1		0.90	J
Fluorene	50	27.7		7.8		14.8		12.7		42.5		60.5		46.3	
Hexachlorobenzene	0.04	<6.8		<0.34		<0.34		<0.34		<0.34		<0.34		<0.34	
Hexachlorobutadiene	0.5	<10		<0.51		<0.51		<0.51		<0.51		<0.51		<0.51	
Hexachlorocyclopentadiene	5	<140		<7.1		<7.1		<7.1		<7.1		<7.1		<7.1	
Hexachloroethane	5	<11		<0.55		<0.55		<0.55		<0.55		<0.55		<0.55	
Indeno(1,2,3-cd)pyrene	0.002	<7.5		<0.37		<0.37		<0.37		<0.37		<0.37		<0.37	
Isophorone	5	<5.5		<0.27		<0.27		<0.27		<0.27		<0.27		<0.27	
2-Methylnaphthalene	NS	230		53.2		115		61.1		73.2		76.8		47.4	
2-Nitroaniline	5	<22		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1	
3-Nitroaniline	5	<25		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3	
4-Nitroaniline	5	<33		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7	
Naphthalene	10	8370		1640		3210		4770		1030		4020		2850	
Nitrobenzene	0.4	<8.4		<0.42		<0.42		<0.42		<0.42		<0.42		<0.42	
N-Nitroso-di-n-propylamine	NS	<6.0		<0.30		<0.30		<0.30		<0.30		<0.30		<0.30	
N-Nitrosodiphenylamine	50	<6.1		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
Phenanthrene	50	12.9	J	3.0		4.8		3.2		7.0		11.9		9.7	
Pyrene	50	<5.4		0.66	J	1.1		0.44	J	0.56	J	0.68	J	0.54	J
1,2,4,5-Tetrachlorobenzene	NS	<6.1		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	

Lab Sample ID	MW-12D														
Date Sampled	JB47100-2 9/11/2013 Result	Q	JB56101-2 12/19/2013 Result	Q	JB62930-3 3/25/2014 Result	Q	NOT SAMPLED	JB77273-2 9/22/2014 Result	Q	NOT SAMPLED
GC/MS Semi-volatiles (ug/L) (SW846 8270D)										
2-Chlorophenol	<5.0		<5.0		<0.97			<5.0		
4-Chloro-3-methyl phenol	<5.0		<5.0		<1.8			<5.0		
2,4-Dichlorophenol	<5.0		<2.0		<1.2			<2.0		
2,4-Dimethylphenol	31.3		11.5		17.5			12.5		
2,4-Dinitrophenol	<20		<20		<17			<20		
4,6-Dinitro-o-cresol	<20		<20		<0.99			<20		
2-Methylphenol	40.8		5.3		15.8			<2.0		
3&4-Methylphenol	41.5		9.1		9.2			<2.0		
2-Nitrophenol	<5.0		<5.0		<1.5			<5.0		
4-Nitrophenol	<10		<10		<5.2			<10		
Pentachlorophenol	<10		<10		<1.4			<10		
Phenol	<2.0		<2.0		3.2			<2.0		
2,3,4,6-Tetrachlorophenol	<5.0		<5.0		<0.94			<5.0		
2,4,5-Trichlorophenol	<5.0		<5.0		<1.6			<5.0		
2,4,6-Trichlorophenol	<5.0		<5.0		<1.3			<5.0		
Acenaphthene	283		182		284			205		
Acenaphthylene	<1.0		<1.0		2.4			<1.0		
Acetophenone	<2.0		<2.0		<0.29			<2.0		
Anthracene	4.3		2.8		2.6			<1.0		
Atrazine	<5.0		<2.0		<0.49			<2.0		
Benzaldehyde	<5.0		<5.0		<3.3			<5.0		
Benzo(a)anthracene	<1.0		<1.0		<0.23			<1.0		
Benzo(a)pyrene	<1.0		<1.0		<0.23			<1.0		
Benzo(b)fluoranthene	<1.0		<1.0		<0.46			<1.0		
Benzo(g,h,i)perylene	<1.0		<1.0		<0.32			<1.0		
Benzo(k)fluoranthene	<1.0		<1.0		<0.51			<1.0		
4-Bromophenyl phenyl ether	<2.0		<2.0		<0.36			<2.0		
Butyl benzyl phthalate	<2.0		<2.0		<0.29			<2.0		
1,1'-Biphenyl	46.1		50.3		39.2					
2-Chloronaphthalene	<2.0		<2.0		<0.30			<2.0		
4-Chloroaniline	<5.0		<5.0		<0.53			<5.0		
Carbazole	56.2		38.6		28.3			44.8		
Caprolactam	<2.0		<2.0		<0.69			<2.0		
Chrysene	<1.0		<1.0		<0.29			<1.0		
bis(2-Chloroethoxy)methane	<2.0		<2.0		<0.31			<2.0		
bis(2-Chloroethyl)ether	<2.0		<2.0		<0.31			<2.0		
bis(2-Chloroisopropyl)ether	<2.0		<2.0		<0.45			<2.0		
4-Chlorophenyl phenyl ether	<2.0		<2.0		<0.31			<2.0		
2,4-Dinitrotoluene	<2.0		<1.0		<0.43			<1.0		
2,6-Dinitrotoluene	<2.0		<1.0		<0.46			<1.0		
3,3'-Dichlorobenzidine	<5.0		<2.0		<0.36			<2.0		
Dibenzo(a,h)anthracene	<1.0		<1.0		<0.38			<1.0		
Dibenzofuran	143	*	105		149			102		
Di-n-butyl phthalate	<2.0		<2.0		<0.56			<2.0		
Di-n-octyl phthalate	<2.0		<2.0		<0.31			1.9	J	
Diethyl phthalate	<2.0		<2.0		<0.33			<2.0		
Dimethyl phthalate	<2.0		<2.0		<0.28			<2.0		
bis(2-Ethylhexyl)phthalate	<2.0		20.1	B	6.6	B		6.6	B	
Fluoranthene	1.3		1.4		0.86	J		0.60	J	
Fluorene	80.1		46.6		53.6			46.3		
Hexachlorobenzene	<1.0		<1.0		<0.34			<1.0		
Hexachlorobutadiene	<1.0		<1.0		<0.51			<1.0		
Hexachlorocyclopentadiene	<7.1		<10		<7.1			<10		
Hexachloroethane	<2.0		<2.0		<0.55			<2.0		
Indeno(1,2,3-cd)pyrene	<1.0		<1.0		<0.37			<1.0		
Isophorone	<2.0		<2.0		<0.27			<2.0		
2-Methylnaphthalene	47.4		6.2		7.2			<1.0		
2-Nitroaniline	<1.1		<5.0		<1.1			<5.0		
3-Nitroaniline	<1.3		<5.0		<1.3			<5.0		
4-Nitroaniline	<1.7		<5.0		<1.7			<5.0		
Naphthalene	3300		971		1490			778		
Nitrobenzene	<0.42		<2.0		<0.42			<2.0		
N-Nitroso-di-n-propylamine	<2.0		<2.0		<0.30			<2.0		
N-Nitrosodiphenylamine	<5.0		<5.0		<0.31			<5.0		
Phenanthrene	17.2		11.8		11.2			9.8		
Pyrene	0.69	J	<1.0		0.61	J		<1.0		
1,2,4,5-Tetrachlorobenzene	<2.0		<2.0		<0.31			<2.0		

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-13S (Treatment Zone Well)												
Lab Sample ID	**NYSDEC TOGS 1.1.1**	**JA86022-1**	**JA99361-4**	**JB5986-4**	**JB14495-5**	**JB24251-3**	**JB31021-5**	**JB39234-3**	**JB47100-3**	**JB55981-4**	**JB62825-3**	**NOT SAMPLED**	**JB77273-10**	**NOT SAMPLED**
Date Sampled	**Class GA Ambient Water Quality Standards and Guidance Values**	**9/13/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**		**9/23/2014**	
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.97	<0.97	<0.97	<9.7	<0.97	<0.97	<0.97	<5.0	<5.0	<0.97		<5.0	
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<1.8	<18	<1.8	<1.8	<5.0	<5.0	<1.8			<5.0	
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<5.0	<2.0	<1.2			<2.0	
2,4-Dimethylphenol	1	**4.0** J	**4.3** J	**5.8**	**21.8**	<15	**4.8** J	<1.5	**4** J	**15.5**	**9.0**			**15.6**	
2,4-Dinitrophenol	10	<17	<17	<17	<17	<170	<17	<17	<20	<20	<17			<20	
4,6-Dinitro-o-cresol	NS	<0.99	<0.99	<0.99	<0.99	<9.9	<0.99	<0.99	<20	<20	<0.99			<20	
2-Methylphenol	NS	1.6 J	3.5	1.1 J	8.0	<10	1.0 J	<1.0	<2.0	5.1	3.8			5.2	
3&4-Methylphenol	NS	5.0	12.8	11.1	58.4	<9.3	9.8	<0.93	8.4	41	25.1			22.8	
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<5.0	<5.0	<1.5			<5.0	
4-Nitrophenol	1	<5.2	<5.2	<5.2	<5.2	<52	<5.2	<5.2	<10	<10	<5.2			<10	
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<14	<1.4	<1.4	<10	<10	<1.4			<10	
Phenol	1	<1.3	<1.3	<1.3	<1.3	<13	**3.5**	<1.3	<2.0	<2.0	**7.1**			<2.0	
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.94	<0.94	<0.94	<9.4	<0.94	<0.94	<5.0	<5.0	<0.94			<5.0	
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<5.0	<5.0	<1.6			<5.0	
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.0	<5.0	<1.3			<5.0	
Acenaphthene	20	**175**	**169**	**157**	**361**	**153**	**237**	**70.2**	**191**	**285**	**220**			**192**	
Acenaphthylene	NS	<0.23	0.99 J	<0.23	2.1	<2.3	2.3	<0.23	<1.0	3.7	<0.23			2.1	
Acetophenone	NS	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.0	<2.0	<0.29			<2.0	
Anthracene	50	4.4	4.8	4.9	6.3	6.6 J	27.9	1.9	3.3	7.6	7.1			4.2	
Atrazine	7.5	<0.49	<0.49	<0.49	<0.49	<4.9	<0.49	<0.49	<5.0	<2.0	<0.49			<2.0	
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<33	<3.3	<3.3	<5.0	<5.0	<3.3			<5.0	
Benzo(a)anthracene	0.002	**0.65** J	**0.48** J	**0.67** J	**0.43** J	<2.3	**9.5**	<0.23	<1.0	**0.57** J	**0.81** J		**0.55** J	
Benzo(a)pyrene	ND	<0.23	<0.23	<0.23	<0.23	<2.3	**5.8**	<0.23	<1.0	<1.0	**0.41** J			<1.0	
Benzo(b)fluoranthene	0.002	<0.46	<0.46	<0.46	<0.46	<4.6	**4.9**	<0.46	<1.0	<1.0	**0.56** J			<1.0	
Benzo(g,h,i)perylene	5	<0.32	<0.32	<0.32	<0.32	<3.2	2.4	<0.32	<1.0	<1.0	<0.32			<1.0	
Benzo(k)fluoranthene	0.002	<0.51	<0.51	<0.51	<0.51	<5.1	**3.8**	<0.51	<1.0	<1.0	<0.51			<1.0	
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<2.0	<2.0	<0.36			<2.0	
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.0	<2.0	<0.29			<2.0	
1,1'-Biphenyl	5	**44.5**	**48.1**	**38.9**	**39.0**	**41.1**	**51.3**	**7.8**	**22.3**	**43.6**	**27.6**			**19.3**	
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.0	<2.0	<0.30			<2.0	
4-Chloroaniline	5	<0.53	<0.53	<0.53	<0.53	<5.3	<0.53	<0.53	<5.0	<5.0	<0.53			<5.0	
Carbazole	NS	15.6	21.7	14.5	17.0	14.7	12.6	3.9	10.8	21.5	12.1			17.1	
Caprolactam	NS	<0.69	<0.69	<0.69	<0.69	<6.9	<0.69	<0.69	<2.0	<2.0	<0.69			<2.0	
Chrysene	0.002	**0.43** J	<0.29	**0.75** J	<0.29	<2.9	**8.3**	<0.29	<1.0	**0.43** J	**0.76** J			<1.0	
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31			<2.0	
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31			<2.0	
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.45	<0.45	<0.45	<4.5	<0.45	<0.45	<2.0	<2.0	<0.45			<2.0	
4-Chlorophenyl phenyl ether	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31			<2.0	
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.43	<2.0	<1.0	<0.43			<1.0	
2,6-Dinitrotoluene	5	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<2.0	<1.0	<0.46			<1.0	
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<5.0	<2.0	<0.36			<2.0	
Dibenzo(a,h)anthracene	50	<0.38	<0.38	<0.38	<0.38	<3.8	0.88 J	<0.38	<1.0	<1.0	<0.38			<1.0	
Dibenzofuran	NS	81.4	95.4	75.9	82.3	102	153	34.0	91.8	161 J	88.8			82.6	
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<0.56	<5.6	<0.56	<0.56	<2.0	<2.0	<0.56			3.6	
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31			2.0	
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.33	<2.0	<2.0	<0.33			<2.0	
Dimethyl phthalate	50	<0.28	<0.28	<0.28	<0.28	<2.8	<0.28	<0.28	<2.0	<2.0	<0.28			<2.0	
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.59	<0.59	<0.59	<5.9	3.0	<0.59	<2.0	<2.0	1.5 J			**5.7**	
Fluoranthene	50	3.3	2.8	2.7	1.6	<3.2	47.8	1.3	1.5	2.7	5.4			2.2	
Fluorene	50	41.5	49.7	40.2	41.9	43.6	**77.7**	16.8	42.1	49	44.4			41.5	
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.34	<1.0	<1.0	<0.34			<1.0	
Hexachlorobutadiene	0.5	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.0	<1.0	<0.51			<1.0	
Hexachlorocyclopentadiene	5	<7.1	<7.1	<7.1	<7.1	<71	<7.1	<7.1	<10	<10	<7.1			<10	
Hexachloroethane	5	<0.55	<0.55	<0.55	<0.55	<5.5	<0.55	<0.55	<2.0	<2.0	<0.55			<2.0	
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.37	<0.37	<0.37	<3.7	**2.2**	<0.37	<1.0	<1.0	<0.37			<1.0	
Isophorone	5	<0.27	<0.27	<0.27	<0.27	<2.7	<0.27	<0.27	<2.0	<2.0	<0.27			<2.0	
2-Methylnaphthalene	NS	95.7	127	90.8	90.0	69.8	191	<0.38	2	36.9	13.1			1.4	
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<11	<1.1	<1.1	<5.0	<5.0	<1.1			<5.0	
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.0	<5.0	<1.3			<5.0	
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<17	<1.7	<1.7	<5.0	<5.0	<1.7			<5.0	
Naphthalene	10	**1310**	**2250**	**1310**	**4350**	**1540**	**1350**	**16.6**	**207**	**2180**	**792**			**357**	
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<0.42	<4.2	<0.42	<0.42	<2.0	<2.0	<0.42			<2.0	
N-Nitroso-di-n-propylamine	NS	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.0	<2.0	<0.30			<2.0	
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<5.0	<5.0	<0.31			<5.0	
Phenanthrene	50	34.3	43.4	37.2	37.9	39.5	**213**	14.7	34.5	**54.6**	**54.9**			42.7	
Pyrene	50	2.5	1.9	2.2	1.1	<2.7	32.5	0.92 J	0.86 J	1.9	3.5			1.5	
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31			<2.0	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-14S (Treatment Zone Well) JA86022-2 9/13/2011 Post Treatment Result	Q	JA99488-3 2/15/2012 Result	Q	JB6090-1 5/9/2012 Result	Q	JB14495-6 8/27/2012 Result	Q	JB24251-4 12/18/2012 Result	Q	JB31021-6 3/11/2013 Result	Q	JB39020-4 6/6/2013 Result	Q	JB46946-4 9/10/2013 Result	Q	JB55981-5 12/18/2013 Result	Q	JB62825-4 3/24/2014 Result	Q	JB70373-1 6/26/2014 Result	Q	JB77273-19 9/24/2014 Result	Q	NOT SAMPLED
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																										
2-Chlorophenol	NS	<0.97		<1.0		<0.97		<0.97		<9.7		<0.97		<1.1		<5.5		<5.0		<9.7		<6.3		<50		
4-Chloro-3-methyl phenol	NS	<1.8		<1.9		<1.8		<1.8		<18		<1.8		<2.0		<5.5		<5.0		<18		<6.5		<50		
2,4-Dichlorophenol	5	<1.2		<1.2		<1.2		<1.2		<12		<1.2		<1.3		<5.5		<2.0		<12		<8.1		<20		
2,4-Dimethylphenol	1	**1420**		**1040**		**617**		**2120**		**490**		**560**		**916**		**1310**		**462**		**908**		**1180**		**673**		
2,4-Dinitrophenol	10	<17		<17		<17		<17		<170		<17		<18		<22		<20		<170		<33		<200		
4,6-Dinitro-o-cresol	NS	<0.99		<1.0		<0.99		<0.99		<9.9		<0.99		<1.1		<22		<20		<9.9		<6.7		<200		
2-Methylphenol	NS	832		848		342		705		390		378		<23		829		348		567		965		916		
3&4-Methylphenol	NS	704		626		322		437		201		193		292		430		214		237		414		432		
2-Nitrophenol	1	<1.5		<1.6		<1.5		<1.5		<15		<1.5		<1.6		<5.5		<5.0		<15		<9.3		<50		
4-Nitrophenol	1	<5.2		<5.5		<5.2		<5.2		<52		<5.2		<5.7		<11		<10		<52		<4.5		<100		
Pentachlorophenol	NS	<1.4		<1.5		<1.4		<1.4		<14		<1.4		<1.5		<11		<10		<14		<6.8		<100		
Phenol	1	**402**		**321**		**174**		**309**		**135**		**77.5**		**151**		**256**		**119**		**147**		**245**		**240**		
2,3,4,6-Tetrachlorophenol	NS	<0.94		<0.99		<0.94		<0.94		<9.4		<0.94		<1.0		<5.5		<5.0		<9.4		<7.0		<50		
2,4,5-Trichlorophenol	1	<1.6		<1.6		<1.6		<1.6		<16		<1.6		<1.7		<5.5		<5.0		<16		<8.6		<50		
2,4,6-Trichlorophenol	1	<1.3		<1.4		<1.3		<1.3		<13		<1.3		<1.4		<5.5		<5.0		<13		<7.7		<50		
Acenaphthene	20	**126**		**163**		**91.8**		**82.2**		**79.4**		**90.6**		**77.8**		**102**		**92.3**		**116**		**116**		**74.3**		
Acenaphthylene	NS	6.6		6.2		5.0		4.9		4.8	J	5.0		3.9		7.2		4.8		6.4	J	7.4		<10		
Acetophenone	NS	<0.29		<0.30		<0.29		<0.29		<2.9		<0.29		<0.31		<2.2		<2.0		<2.9		<1.8		<20		
Anthracene	50	14.2		26.5		12.3		9.4		9.7	J	10.3		3.5		14		8.1		8.8	J	8.8		6.2	J	
Atrazine	7.5	<0.49		<0.51		<0.49		<0.49		<4.9		<0.49		<0.53		<5.5		<2.0		<4.9		<2.1		<20		
Benzaldehyde	NS	<3.3		<3.4		<3.3		<3.3		<33		<3.3		<3.5		<5.5		<5.0		<33		<3.4		<50		
Benzo(a)anthracene	0.002	**2.8**		**6.9**		**4.2**		<0.23		<2.3		**2.3**		**0.71**	J	**2.9**		**1.1**		<2.3		<1.1		<10		
Benzo(a)pyrene	ND	**1.8**		**5.8**		**3.0**		<0.23		<2.3		**1.6**		<0.25		**2.1**		**0.62**	J	<2.3		<1.2		<10		
Benzo(b)fluoranthene	0.002	**1.9**		**5.2**		**2.6**		<0.46		<4.6		**1.5**		<0.50		**2.3**		**0.69**	J	<4.6		<1.1		<10		
Benzo(g,h,i)perylene	5	0.92	J	1.8		1.3		<0.32		<3.2		0.98	J	<0.35		1.2		<1.0		<3.2		<1.5		<10		
Benzo(k)fluoranthene	0.002	**0.99**	J	**4.1**		**2.1**		<0.51		<5.1		**0.91**	J	<0.55		**0.66**	J	<1.0		<5.1		<1.1		<10		
4-Bromophenyl phenyl ether	NS	<0.36		<0.38		<0.36		<0.36		<3.6		<0.36		<0.39		<2.2		<2.0		<3.6		<1.2		<20		
Butyl benzyl phthalate	50	<0.29		<0.30		<0.29		<0.29		<2.9		<0.29		<0.31		<2.2		<2.0		<2.9		<1.1		<20		
1,1'-Biphenyl	5	**65.4**		**73.3**		**53.7**		**45.8**		**51.2**		**58.9**		**40.5**		**52.2**		**58.2**		**67.1**		**68**		**45.6**		
2-Chloronaphthalene	10	<0.30		<0.31		<0.30		<0.30		<3.0		<0.30		<0.32		<2.2		<2.0		<3.0		<1.7		<20		
4-Chloroaniline	5	<0.53		<0.56		<0.53		<0.53		<5.3		<0.53		<0.57		<5.5		<5.0		<5.3		<1.5		<50		
Carbazole	NS	58.3		61.7		45.7		37.1		56.7		47.3		26.9		50.9		54		45.1		51.1		45.4		
Caprolactam	NS	<0.69		<0.73		<0.69		<0.69		<6.9		<0.69		<0.75		<2.2		<2.0		<6.9		<2.0		<20		
Chrysene	0.002	**2.5**		**6.3**		**4.0**		<0.29		<2.9		**1.9**		**0.58**	J	**2.2**		**0.8**	J	<2.9		<0.82		<10		
bis(2-Chloroethoxy)methane	5	<0.31		<0.32		<0.31		<0.31		<3.1		<0.31		<0.33		<2.2		<2.0		<3.1		<2.1		<20		
bis(2-Chloroethyl)ether	1	<0.31		<0.32		<0.31		<0.31		<3.1		**30.9**		<0.33		<2.2		<2.0		<3.1		<2.2		<20		
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.48		<0.45		<0.45		<4.5		<0.45		<0.49		<2.2		<2.0		<4.5		<2.0		<20		
4-Chlorophenyl phenyl ether	NS	<0.31		<0.33		<0.31		<0.31		<3.1		<0.31		<0.34		<2.2		<2.0		<3.1		<1.9		<20		
2,4-Dinitrotoluene	5	<0.43		<0.45		<0.43		<0.43		<4.3		<0.43		<0.46		<2.2		<1.0		<4.3		<1.6		<10		
2,6-Dinitrotoluene	5	<0.46		<0.49		<0.46		<0.46		<4.6		<0.46		<0.50		<2.2		<1.0		<4.6		<1.3		<10		
3,3'-Dichlorobenzidine	5	<0.36		<0.38		<0.36		<0.36		<3.6		<0.36		<0.39		<5.5		<2.0		<3.6		<2.8		<20		
Dibenzo(a,h)anthracene	50	<0.38		<0.40		<0.38		<0.38		<3.8		<0.38		<0.41		<1.1		<1.0		<3.8		<1.4		<10		
Dibenzofuran	NS	79.8		104		69.9		64.7		71.7		79.2		54.0		85.8		72		94.0		88.4		58.7		
Di-n-butyl phthalate	50	<0.56		<0.58		<0.56		<0.56		<5.6		<0.56		<0.60		<2.2		<2.0		<5.6		<2.9		15.7	J	
Di-n-octyl phthalate	50	<0.31		<0.32		<0.31		<0.31		<3.1		<0.31		<0.33		<2.2		<2.0		<3.1		<1.3		<20		
Diethyl phthalate	50	<0.33		<0.34		<0.33		<0.33		<3.3		<0.33		<0.36		<2.2		<2.0		<3.3		<1.2		<20		
Dimethyl phthalate	50	<0.28		<0.30		<0.28		<0.28		<2.8		<0.28		3.8		<2.2		<2.0		<2.8		<1.3		<20		
bis(2-Ethylhexyl)phthalate	5	<0.59		<0.62		<0.59		<0.59		<5.9		<0.59		0.97	J	<2.2		<2.0		<5.9		<2.8		<20		
Fluoranthene	50	9.9		28.3		15.2		4.5		<3.2		8.3		2.6		9.6		5.1		8.9	J	3.8	J	<10		
Fluorene	50	46.9		**62.8**		42.9		31.0		38.0		39.3		30.1		43.7		33.5		45.9		37.4		26.7		
Hexachlorobenzene	0.04	<0.34		<0.36		<0.34		<0.34		<3.4		<0.34		<0.37		<1.1		<1.0		<3.4		<2.3		<10		
Hexachlorobutadiene	0.5	<0.51		<0.54		<0.51		<0.51		<5.1		<0.51		<0.56		<1.1		<1.0		<5.1		<1.9		<10		
Hexachlorocyclopentadiene	5	<7.1		<7.5		<7.1		<7.1		<71		<7.1		<7.7		<11		<10		<71		<2.4		<100		
Hexachloroethane	5	<0.55		<0.58		<0.55		<0.55		<5.5		<0.55		<0.60		<2.2		<2.0		<5.5		<1.4		<20		
Indeno(1,2,3-cd)pyrene	0.002	**0.81**	J	**1.9**		**1.1**		<0.37		<3.7		**0.90**	J	<0.41		**1.1**		<1.0		<3.7		<2.0		<10		
Isophorone	5	<0.27		<0.29		<0.27		<0.27		<2.7		<0.27		<0.30		<2.2		<2.0		<2.7		<1.7		<20		
2-Methylnaphthalene	NS	447		899		630		685		564		784		493		677		774		681		609		427		
2-Nitroaniline	5	<1.1		<1.2		<1.1		<1.1		<11		<1.1		<1.2		<5.5		<5.0		<11		<1.6		<50		
3-Nitroaniline	5	<1.3		<1.3		<1.3		<1.3		<13		<1.3		<1.4		<5.5		<5.0		<13		<1.3		<50		
4-Nitroaniline	5	<1.7		<1.7		<1.7		<1.7		<17		<1.7		<1.8		<5.5		<5.0		<17		<1.5		<50		
Naphthalene	10	**9460**		**16700**		**10600**		**14200**		**9130**		**13500**		**7030**		**7270**		**12500**		**8880**		**10500**		**9250**		
Nitrobenzene	0.4	<0.42		<0.44		<0.42		<0.42		<4.2		<0.42		<0.46		<2.2		<2.0		<4.2		<2.6		<20		
N-Nitroso-di-n-propylamine	NS	<0.30		<0.32		<0.30		<0.30		<3.0		<0.30		<0.33		<2.2		<2.0		<3.0		<1.9		<20		
N-Nitrosodiphenylamine	50	<0.31		<0.32		<0.31		<0.31		<3.1		<0.31		<0.33		<5.5		<5.0		<3.1		<1.0		<50		
Phenanthrene	50	**51.4**		**109**		**57.3**		33.2		35.3		46.0		21.2		43.3		37.8		46.7		38.2		24.5		
Pyrene	50	8.4		16.4		11.6		3.6		<2.7		7.6		1.7		6.8		4.2		6.0	J	2.8	J	<10		
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.32		<0.31		<0.31		<3.1		<0.31		<0.33		<2.2		<2.0		<3.1		<2.2		<20		

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analy
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-15D												
Lab Sample ID	**Class GA**	**JA86022-7**	**JA99361-5**	**JB5986-5**	**JB14495-7**	**JB24251-5**	**JB31021-7**	**JB39020-5**	**JB46946-5**	**JB55981-6**	**JB62825-5**	**JB70168-5**	**JB77273-20**	**JD54013-21**
Date Sampled	**Ambient Water Quality Standards and Guidance Values**	**9/13/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**6/24/2014**	**9/24/2014**	**10/21/2022**
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.97	<0.97	<0.97	<9.7	<0.97	<0.97	<5.3	<5.3	<0.97	<1.3	<5.0	ND (0.82)
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<1.8	<18	<1.8	<1.8	<5.3	<5.3	<1.8	<1.3	<5.0	ND (0.89)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<5.3	<2.1	<1.2	<1.6	<2.0	ND (1.3)
2,4-Dimethylphenol	1	**24.9**	**20.4**	**11.1**	**16.4**	<15	**13.9**	**11.5**	**23.7**	<5.3	**47.2**	**90.3**	**61.2**	**80.4**
2,4-Dinitrophenol	10	<17	<17	<17	<17	<170	<17	<17	<21	<21	<17	<6.5	<20	ND (1.6)
4,6-Dinitro-o-cresol	NS	<0.99	<0.99	<0.99	<0.99	<9.9	<0.99	<0.99	<21	<21	<0.99	<1.3	<20	ND (1.3)
2-Methylphenol	NS	3.8	3.2	3.1	3.8	<10	2.7	2.0	6.7	<2.1	6.2	17	<2.0	35.1
3&4-Methylphenol	NS	6.2	19.1	12.2	14.4	<9.3	15.9	NA	36.8	29.5	29.6	51.5	81.3	77.6
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<5.3	<5.3	<1.5	<1.9	<5.0	ND (0.96)
4-Nitrophenol	1	<5.2	<5.2	<5.2	<5.2	<52	<5.2	<5.2	<11	<11	<5.2	<0.91	<10	ND (1.2) a
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<14	<1.4	<1.4	<11	<11	<1.4	<1.4	<10	ND (1.4) a
Phenol	1	**22.1**	<1.3	**5.3**	**9.0**	<13	**10**	**3.3**	**7.9**	<2.1	**14.1**	<0.55	**33.1**	**27.9**
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.94	<0.94	<0.94	<9.4	<0.94	<0.94	<5.3	<5.3	<0.94	<1.4	<5.0	ND (1.5)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<5.3	<5.3	<1.6	<1.7	<5.0	ND (1.3)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.3	<5.3	<1.3	<1.5	<5.0	ND (0.92)
Acenaphthene	20	**190**	**264**	**230**	**159**	**222**	**276**	NA	**213**	**355**	**287**	**291**	**354**	302
Acenaphthylene	NS	1.1	1.6	1.6	<0.23	<2.3	2.2	121	4.4	<1.1	<0.23	<0.20	<1.0	3.8
Acetophenone	NS	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.23	<2.1	<2.1	<0.29	<0.36	<2.0	ND (0.21)
Anthracene	50	<0.29	2.1	3.9	2.6	4.8 J	2.9	0.92 J	3.5	1.8	1.0	1.6	1.2	14.5
Atrazine	7.5	<0.49	<0.49	<0.49	<0.49	<4.9	<0.49	<0.49	<5.3	<2.1	<0.49	<0.42	<2.0	ND (0.45) a
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<33	<3.3	<3.3	<5.3	<5.3	<3.3	<0.67	<5.0	ND (0.29)
Benzo(a)anthracene	0.002	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.23	<1.1	<1.1	<0.23	<0.22	<1.0	1.1
Benzo(a)pyrene	ND	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.23	<1.1	<1.1	<0.23	<0.24	<1.0	ND (0.21)
Benzo(b)fluoranthene	0.002	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<1.1	<1.1	<0.46	<0.22	<1.0	ND (0.21)
Benzo(g,h,i)perylene	5	<0.32	<0.32	<0.32	<0.32	<3.2	<0.32	<0.32	<1.1	<1.1	<0.32	<0.31	<1.0	ND (0.34)
Benzo(k)fluoranthene	0.002	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.1	<1.1	<0.51	<0.22	<1.0	ND (0.21)
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<2.1	<2.1	<0.36	<0.25	<2.0	ND (0.40)
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.1	<2.1	<0.29	<0.22	<2.0	ND (0.46)
1,1'-Biphenyl	5	**55.5**	**79.9**	**61.5**	**30.7**	**70.3**	**48.3**	**21.4**	**41**	**76.1**	**48.2**	**56.7**	**56.5**	**71.1**
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.1	<2.1	<0.30	<0.34	<2.0	ND (0.24)
4-Chloroaniline	5	<0.53	<0.53	<0.53	<0.53	<5.3	<0.53	<0.53	<5.3	<5.3	<0.53	<0.30	<5.0	ND (0.34)
Carbazole	NS	<0.36	2.1	1.9	<0.36	<3.6	3.0	0.48 J	0.9 J	1.9	1.1	2	1.7	61.2
Caprolactam	NS	<0.69	<0.69	<0.69	<0.69	<6.9	<0.69	<0.69	<2.1	<2.1	<0.69	<0.41	<2.0	ND (0.65)
Chrysene	0.002	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<1.1	<1.1	<0.29	<0.16	<1.0	0.57 J
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.1	<2.1	<0.31	<0.42	<2.0	ND (0.28)
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.1	<2.1	<0.31	<0.43	<2.0	ND (0.25)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.45	<0.45	<0.45	<4.5	<0.45	<0.45	<2.1	<2.1	<0.45	<0.41	<2.0	ND (0.40)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.1	<2.1	<0.31	<0.38	<2.0	ND (0.37)
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.43	<2.1	<1.1	<0.43	<0.32	<1.0	ND (0.55)
2,6-Dinitrotoluene	5	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<2.1	<1.1	<0.46	<0.26	<1.0	ND (0.48)
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<5.3	<2.1	<0.36	<0.56	<2.0	ND (0.51)
Dibenzo(a,h)anthracene	50	<0.38	<0.38	<0.38	<0.38	<3.8	<0.38	<0.38	<1.1	<1.1	<0.38	<0.28	<1.0	ND (0.33)
Dibenzofuran	NS	93.3	179	151	62.1	165	185	62.4	101	237	160	165	186	160
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<0.56	<5.6	<0.56	<0.56	<2.1	<2.1	<0.56	<0.58	4.6	14 B
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.1	<2.1	<0.31	<0.25	<2.0	ND (0.23)
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.33	<2.1	<2.1	<0.33	<0.23	<2.0	ND (0.26)
Dimethyl phthalate	50	<0.28	<0.28	<0.28	<0.28	<2.8	<0.28	3.6	<2.1	<2.1	<0.28	<0.26	<2.0	ND (0.22)
bis(2-Ethylhexyl)phthalate	5	<0.59	2.4	1.1 J	<5.9	<0.59	0.84 J	<2.1	1.1 J	<0.55	1.2 J	ND (1.7)		
Fluoranthene	50	<0.32	2.0	2.2	0.60 J	<3.2	1.6	1.7	0.77 J	2	1.2	1.7	1.0	10
Fluorene	50	3.6	10.1	10.4	3.2	9.5 J	19.2	5.4	5.8	15.5	7.7	12.7	7.9	80.4
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.34	<1.1	<1.1	<0.34	<0.46	<1.0	ND (0.33)
Hexachlorobutadiene	0.5	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.1	<1.1	<0.51	<0.39	<1.0	ND (0.49)
Hexachlorocyclopentadiene	5	<7.1	<7.1	<7.1	<7.1	<71	<7.1	<7.1	<11	<11	<7.1	<0.48	<10	ND (2.8)
Hexachloroethane	5	<0.55	<0.55	<0.55	<0.55	<5.5	<0.55	<0.55	<2.1	<2.1	<0.55	<0.29	<2.0	ND (0.39)
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.37	<0.37	<0.37	<3.7	<0.37	<0.37	<1.1	<1.1	<0.37	<0.40	<1.0	ND (0.33)
Isophorone	5	<0.27	<0.27	<0.27	<0.27	<2.7	<0.27	<0.27	<2.1	<2.1	<0.27	<0.34	<2.0	ND (0.28)
2-Methylnaphthalene	NS	<0.38	349	<0.38	<0.38	<3.8	1.2	0.63 J	<1.1	4.1	4.1	<1.0	400	
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<11	<1.1	<1.1	<5.3	<5.3	<1.1	<0.32	<5.0	ND (0.28)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.3	<5.3	<1.3	<0.26	<5.0	ND (0.39)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<17	<1.7	<1.7	<5.3	<5.3	<1.7	<0.30	<5.0	ND (0.44)
Naphthalene	10	**835**	**867**	**612**	**627**	**1160**	**925**	**741**	**1220**	**2150**	**2140**	**2990**	**3530**	7330
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<0.42	<4.2	<0.42	<0.42	<2.1	<2.1	<0.42	<0.52	<2.0	ND (0.64)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.1	<2.1	<0.30	<0.38	<2.0	ND (0.48)
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<5.3	<5.3	<0.31	<0.21	<5.0	ND (0.22)
Phenanthrene	50	9.0	27.4	25.6	8.9	21.9	32.2	14.5	18.6	47.9	21.4	29.5	25.0	63.4
Pyrene	50	<0.27	1.3	1.6	0.45 J	<2.7	1.2	1.1	0.56 J	1.4	0.90 J	1.1	0.79 J	6.5
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.1	<2.1	<0.31	<0.44	<2.0	ND (0.37)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-16S (Treatment Zone Well)													
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA85941-4 9/12/2011 Post Treatment Result Q	JA99361-6 2/14/2012 Result Q	JB5986-6 5/8/2012 Result Q	JB14495-8 8/27/2012 Result Q	JB24251-6 12/18/2012 Result Q	JB31021-8 3/11/2013 Result Q	JB39020-6 6/6/2013 Result Q	JB46946-6 9/10/2013 Result Q	JB55981-7 12/18/2013 Result Q	JB62930-4 3/25/2014 Result Q	JB70168-7 6/24/2014 Result Q	JB77273-15 9/23/2014 Result Q	JD54013-2 10/19/2022 Result Q	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)															
2-Chlorophenol	NS	<0.97	<0.98	<0.97	<0.97	<9.7	<0.97	<0.97	<5.4	<25	<0.97	<1.3	<5.0	ND (0.82)	
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<1.8	<18	<1.8	<1.8	<5.4	<25	<1.8	<1.3	<5.0	ND (0.89)	
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<5.4	<10	<1.2	<1.6	<2.0	ND (1.3)	
2,4-Dimethylphenol	1	312	223	638	724	190	316	<150	189	302	251	217	231	16	
2,4-Dinitrophenol	10	<17	<17	<17	<17	<170	<17	<17	<22	<100	<17	<6.5	<20	ND (1.6)	a
4,6-Dinitro-o-cresol	NS	<0.99	<1.0	<0.99	<0.99	<9.9	<0.99	<0.99	<22	<100	<0.99	<1.3	<20	ND (1.3)	a
2-Methylphenol	NS	173	120	457	287	183	115	76.0	53.7	274	167	96.4	114	5.4	
3&4-Methylphenol	NS	208	150	596	418	233	149	90.0	250	221	151	167	310	10.7	
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<5.4	<25	<1.5	<1.9	<5.0	ND (0.96)	a
4-Nitrophenol	1	<5.2	<5.3	<5.2	<5.2	<52	<5.2	<5.2	<11	<50	<5.2	<0.91	<10	ND (1.2)	
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<14	<1.4	<1.4	<11	<50	<1.4	<1.4	<10	ND (1.4)	
Phenol	1	38.2	<1.3	141	67.3	36.3	<1.3	8.2	45.1	14.2	16.5	31.9	61.0	3.5	c
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.95	<0.94	<0.94	<9.4	<0.94	<0.94	<5.4	<25	<0.94	<1.4	<5.0	ND (1.5)	
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<5.4	<25	<1.6	<1.7	<5.0	ND (1.3)	
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.4	<25	<1.3	<1.5	<5.0	ND (0.92)	
Acenaphthene	20	56.1	85.1	75.2	62.2	70.9	74.9	62.4	91.8	75	65.5	43.6	62.7	89.3	
Acenaphthylene	NS	24.1	31.5	43.6	39.7	24.0	26.5	41.7	24.9	40.6	40.0	16.3	25.1	7.1	
Acetophenone	NS	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.2	<10	<0.29	<0.36	<2.0	4.4	
Anthracene	50	22.8	37.2	39.2	25.5	12.4	15.1	18.8	28.3	12.7	11.1	6.6	<1.0	13.3	
Atrazine	7.5	<0.49	<0.49	<0.49	<0.49	<4.9	<0.49	<0.49	<5.4	<10	<0.49	<0.42	<2.0	ND (0.45)	
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<33	<3.3	<3.3	<5.4	<25	<3.3	<0.67	<5.0	ND (0.29)	
Benzo(a)anthracene	0.002	12.0	22.6	23.2	14.7	<2.3	3.4	10.7	8.7	3.2 J	2.0	0.84 J	1.0	2.2	
Benzo(a)pyrene	ND	9.9	20.8	19.6	13.2	<2.3	3.0	9.8	7.2	2.8 J	1.7	0.67 J	0.73 J	1.5	
Benzo(b)fluoranthene	0.002	6.5	15.7	15.8	10	<4.6	2.0	8.6	6.3	<5.0	1.5	0.62 J	0.58 J	1.5	
Benzo(g,h,i)perylene	5	5.7	10.2	12.7	8.9	<3.2	1.6	4.8	3.8	<5.0	0.97 J	0.44 J	0.41 J	0.75 J	
Benzo(k)fluoranthene	0.002	6.5	13.2	12.2	9.4	<5.1	1.8	3.3	2.1	<5.0	0.68 J	<0.22	<1.0	0.56 J	
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<2.2	<10	<0.36	<0.25	<2.0	ND (0.40)	
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.2	<10	<0.29	<0.22	<2.0	ND (0.46)	
1,1'-Biphenyl	5	39.1	52.4	54.1	44.0	51.3	50.5	41.8	55.5	57.5	47.9	29.4	42.0	38.9	
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.2	<10	<0.30	<0.34	<2.0	ND (0.24)	
4-Chloroaniline	5	<0.53	<0.53	<0.53	<0.53	<5.3	<0.53	<0.53	<5.4	<25	<0.53	<0.30	<5.0	ND (0.34)	d
Carbazole	NS	87.3	100	139	177	143	190	121	100	204	161	91.3	123	40.3	
Caprolactam	NS	<0.69	<0.70	<0.69	<0.69	<6.9	<0.69	<0.69	<2.2	<10	<0.69	<0.41	<2.0	ND (0.65)	a
Chrysene	0.002	11.5	20.7	21.8	13.8	<2.9	2.9	9.1	6.8	2.5 J	1.3	0.68 J	0.82 J	1.8	
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.2	<10	<0.31	<0.42	<2.0	ND (0.28)	
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.2	<10	<0.31	<0.43	<2.0	ND (0.25)	a
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.46	<0.45	<0.45	<4.5	<0.45	<0.45	<2.2	<10	<0.45	<0.41	<2.0	ND (0.40)	
4-Chlorophenyl phenyl ether	NS	<0.31	<0.32	<0.31	<0.31	<3.1	<0.31	<0.31	<2.2	<10	<0.31	<0.38	<2.0	ND (0.37)	
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.43	<2.2	<5.0	<0.43	<0.32	<1.0	ND (0.55)	
2,6-Dinitrotoluene	5	<0.46	<0.47	<0.46	<0.46	<4.6	<0.46	<0.46	<2.2	<5.0	<0.46	<0.26	<1.0	ND (0.48)	
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<5.4	<10	<0.36	<0.56	<2.0	ND (0.51)	
Dibenzo(a,h)anthracene	50	2.2	3.4	4.1	2.8	<3.8	<0.38	1.7	1.1	<5.0	<0.38	<0.28	<1.0	ND (0.33)	
Dibenzofuran	NS	58.9	97.9	88.1	70.4	79.2	87.6	69.3	95.9	90.3	78.5	50.8	63.2	73.6	
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<0.56	<5.6	<0.56	<0.56	<2.2	<10	<0.56	<0.58	1.7 J	ND (0.50)	
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.2	<10	<0.31	<0.25	<2.0	ND (0.23)	
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.33	<2.2	<10	<0.33	<0.23	<2.0	ND (0.26)	
Dimethyl phthalate	50	<0.28	<0.29	<0.28	<0.28	<2.8	<0.28	<0.28	<2.2	<10	<0.28	<0.26	<2.0	ND (0.22)	
bis(2-Ethylhexyl)phthalate	5	<0.59	2.5	6.1	<0.59	<5.9	<0.59	<0.59	<2.2	<10	2.0	1.1 J	1.7 J	ND (1.7)	
Fluoranthene	50	31.4	67.3	62.4	40.6	7.6 J	12.1	28.7	26.5	8.9	8.4	4.2	4.1	11.9	
Fluorene	50	50.6	75.2	78.8	62.6	51.3	53.5	65.2	73.3	62.5	56.1	31.9	38.3	54.2	
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.34	<1.1	<5.0	<0.34	<0.46	<1.0	ND (0.33)	
Hexachlorobutadiene	0.5	<0.51	<0.52	<0.51	<0.51	<5.1	<0.51	<0.51	<1.1	<5.0	<0.51	<0.39	<1.0	ND (0.49)	
Hexachlorocyclopentadiene	5	<7.1	<7.2	<7.1	<7.1	<71	<7.1	<7.1	<11	<50	<7.1	<0.48	<10	ND (2.8)	
Hexachloroethane	5	<0.55	<0.56	<0.55	<0.55	<5.5	<0.55	<0.55	<2.2	<10	<0.55	<0.29	<2.0	ND (0.39)	
Indeno(1,2,3-cd)pyrene	0.002	4.9	10.2	10.6	6.9	<3.7	1.2	4.9	3.6	<5.0	0.67 J	<0.40	0.42 J	0.83 J	
Isophorone	5	<0.27	<0.28	<0.27	<0.27	<2.7	<0.27	<0.27	<2.2	<10	<0.27	<0.34	<2.0	ND (0.28)	
2-Methylnaphthalene	NS	407	318	408	491	454	549	337	543	382	381	333	360	464	
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<11	<1.1	<1.1	<5.4	<25	<1.1	<0.32	<5.0	ND (0.28)	a
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.4	<25	<1.3	<0.26	<5.0	ND (0.39)	
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<17	<1.7	<1.7	<5.4	<25	<1.7	<0.30	<5.0	ND (0.44)	
Naphthalene	10	8300	7340	8820	8640	9740	14000	8990	9540	12500	10600	7280	11800	10700	
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<0.42	<4.2	<0.42	<0.42	<2.2	<10	<0.42	<0.52	<2.0	ND (0.64)	
N-Nitroso-di-n-propylamine	NS	<0.30	<0.31	<0.30	<0.30	<3.0	<0.30	<0.30	<2.2	<10	<0.30	<0.38	<2.0	ND (0.48)	
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<5.4	<25	<0.31	<0.21	<5.0	ND (0.22)	
Phenanthrene	50	89.6	152	157	158	49.5	59.6	79.6	94.8	62.5	55.2	31	38.5	72.7	
Pyrene	50	29.2	50.8	57.1	33.4	5.9 J	10.9	20.9	21.3	7.1	8.9	3	3.7	10	
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.2	<10	<0.31	<0.44	<2.0	ND (0.37)	

Notes:
NS = No Standard

Qualifiers:
< = Analyte below detection limit
J = value estimated

[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-17S (Treatment Zone Well)													
Lab Sample ID	**NYSDEC TOGS 1.1.1**	**JA86145-5**	**JA99361-7**	**JB6090-3**	**JB14495-9**	**JB24251-7**	**JB31021-9**	**JB39020-7**	**JB46946-7**	**JB55981-8**	**JB62825-6**			**JD54013-5**	
Date Sampled	**Class GA Ambient Water Quality Standards and Guidance Values**	**9/14/2011 Post Treatment**	**2/14/2012**	**5/9/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED**	**NOT SAMPLED**	**10/20/2022**	
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			**Result Q**	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)															
2-Chlorophenol	NS	<0.97	<1.1	<0.97	<0.97	<0.97	<0.97	<0.97	<5.0	<5.0	<0.97			ND (8.4)	
4-Chloro-3-methyl phenol	NS	<1.8	<2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<5.0	<5.0	<1.8			ND (9.1)	
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<2.0	<1.2			ND (13)	
2,4-Dimethylphenol	1	<1.5	<1.7	<1.5	<1.5	<1.5	<1.5	<1.5	<5.0	<5.0	<1.5			ND (25)	
2,4-Dinitrophenol	10	<17	<18	<17	<17	<17	<17	<17	<20	<20	<17			ND (16)	
4,6-Dinitro-o-cresol	NS	<0.99	<1.1	<0.99	<0.99	<0.99	<0.99	<0.99	<20	<20	<0.99			ND (13)	
2-Methylphenol	NS	<1.0	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0			ND (9.1)	
3&4-Methylphenol	NS	<0.93	<1.0	<0.93	<0.93	<0.93	<0.93	<0.93	<2.0	<2.0	<0.93			ND (9.0)	
2-Nitrophenol	1	<1.5	<1.6	<1.5	<1.5	<1.5	<1.5	<1.5	<5.0	<5.0	<1.5			ND (9.8)	a
4-Nitrophenol	1	<5.2	<5.6	<5.2	<5.2	<5.2	<5.2	<5.2	<10	<10	<5.2			ND (12)	
Pentachlorophenol	NS	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<10	<10	<1.4			ND (14)	
Phenol	1	<1.3	<1.4	<1.3	<1.3	<1.3	<1.3	<1.3	<2.0	<2.0	<1.3			ND (4.0)	a
2,3,4,6-Tetrachlorophenol	NS	<0.94	<1.0	<0.94	<0.94	<0.94	<0.94	<0.94	<5.0	<5.0	<0.94			ND (15)	
2,4,5-Trichlorophenol	1	<1.6	<1.7	<1.6	<1.6	<1.6	<1.6	<1.6	<5.0	<5.0	<1.6			ND (14)	
2,4,6-Trichlorophenol	1	<1.3	<1.4	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<5.0	<1.3			ND (9.5)	
Acenaphthene	20	0.57 J	25.3	0.40 J	5.7	<0.26	<0.26	<0.26	37.5	3.2	<0.26			698	
Acenaphthylene	NS	<0.23	0.67 J	<0.23	<0.23	<0.23	<0.23	<0.23	<1.0	<1.0	<0.23			28.9	
Acetophenone	NS	<0.29	<0.31	<0.29	<0.29	<0.29	<0.29	<0.29	<2.0	<2.0	<0.29			ND (2.1)	
Anthracene	50	<0.29	5.8	0.44 J	2.8	<0.29	<0.29	<0.29	2.8	0.51 J	<0.29			225	
Atrazine	7.5	<0.49	<0.53	<0.49	<0.49	<0.49	<0.49	<0.49	<5.0	<2.0	<0.49			ND (4.6)	
Benzaldehyde	NS	<3.3	<3.5	<3.3	<3.3	<3.3	<3.3	<3.3	<5.0	<5.0	<3.3			ND (3.0)	
Benzo(a)anthracene	0.002	<0.23	1.3	0.73 J	1.3	<0.23	<0.23	<0.23	0.82 J	<1.0	<0.23			23.2	
Benzo(a)pyrene	ND	<0.23	0.87 J	0.71 J	1.1	<0.23	<0.23	<0.23	<1.0	<1.0	<0.23			5.4 J	
Benzo(b)fluoranthene	0.002	<0.46	0.69 J	0.58 J	0.89 J	<0.46	<0.46	<0.46	0.51 J	<1.0	<0.46			7.3 J	
Benzo(g,h,i)perylene	5	<0.32	0.61 J	0.40 J	0.75 J	<0.32	<0.32	<0.32	<1.0	<1.0	<0.32			ND (3.5)	a
Benzo(k)fluoranthene	0.002	<0.51	1.1	0.68 J	1.1	<0.51	<0.51	<0.51	<1.0	<1.0	<0.51			3.1 J	
4-Bromophenyl phenyl ether	NS	<0.36	<0.39	<0.36	<0.36	<0.36	<0.36	<0.36	<2.0	<2.0	<0.36			ND (4.1)	
Butyl benzyl phthalate	50	<0.29	<0.31	<0.29	<0.29	<0.29	<0.29	<0.29	<2.0	<2.0	<0.29			ND (4.7)	
1,1'-Biphenyl	5	<0.30	5.2	<0.30	1.1	<0.30	<0.30	<0.30	1.2	<1.0	<0.30			311	
2-Chloronaphthalene	10	<0.30	<0.32	<0.30	<0.30	<0.30	<0.30	<0.30	<2.0	<2.0	<0.30			ND (2.4)	
4-Chloroaniline	5	<0.53	<0.57	<0.53	<0.53	<0.53	<0.53	<0.53	<5.0	<5.0	<0.53			ND (3.5)	
Carbazole	NS	<0.36	6.5	<0.36	2.1	<0.36	<0.36	<0.36	5.7	1.4	<0.36			40.8	
Caprolactam	NS	<0.69	<0.74	<0.69	<0.69	<0.69	<0.69	<0.69	<2.0	<2.0	<0.69			ND (6.7)	a
Chrysene	0.002	<0.29	1.4	0.68 J	1.2	<0.29	<0.29	<0.29	0.7 J	<1.0	<0.29			17.2	
bis(2-Chloroethoxy)methane	5	<0.31	<0.33	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (2.9)	
bis(2-Chloroethyl)ether	1	<0.31	<0.33	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (2.5)	
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.49	<0.45	<0.45	<0.45	<0.45	<0.45	<2.0	<2.0	<0.45			ND (4.1)	
4-Chlorophenyl phenyl ether	NS	<0.31	<0.34	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (3.8)	
2,4-Dinitrotoluene	5	<0.43	<0.46	<0.43	<0.43	<0.43	<0.43	<0.43	<2.0	<1.0	<0.43			ND (5.7)	
2,6-Dinitrotoluene	5	<0.46	<0.50	<0.46	<0.46	<0.46	<0.46	<0.46	<2.0	<1.0	<0.46			ND (4.9)	
3,3'-Dichlorobenzidine	5	<0.36	<0.39	<0.36	<0.36	<0.36	<0.36	<0.36	<5.0	<2.0	<0.36			ND (5.2)	
Dibenzo(a,h)anthracene	50	<0.38	<0.41	<0.38	<0.38	<0.38	<0.38	<0.38	<1.0	<1.0	<0.38			ND (3.4)	a
Dibenzofuran	NS	<0.27	20.0	<0.27	7.1	<0.27	<0.27	<0.27	35.8	1.4 J	<0.27			594	
Di-n-butyl phthalate	50	<0.56	<0.60	<0.56	<0.56	<0.56	<0.56	<0.56	<2.0	<2.0	<0.56			ND (5.1)	
Di-n-octyl phthalate	50	<0.31	<0.33	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (2.4)	
Diethyl phthalate	50	<0.33	<0.35	<0.33	<0.33	<0.33	<0.33	<0.33	<2.0	<2.0	<0.33			ND (2.7)	
Dimethyl phthalate	50	<0.28	<0.31	<0.28	<0.28	<0.28	<0.28	<0.28	<2.0	<2.0	<0.28			ND (2.2)	
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.63	<0.59	1.9 J	<0.59	<0.59	<0.59	<2.0	<2.0	2.9			ND (17)	
Fluoranthene	50	<0.32	7.9	1.4	5.2	0.49 J	<0.32	<0.32	9.4	0.4 J	<0.32			178	
Fluorene	50	<0.28	10.4	<0.28	2.6	<0.28	<0.28	<0.28	19.4	0.77 J	<0.28			533	
Hexachlorobenzene	0.04	<0.34	<0.37	<0.34	<0.34	<0.34	<0.34	<0.34	<1.0	<1.0	<0.34			ND (3.3)	
Hexachlorobutadiene	0.5	<0.51	<0.55	<0.51	<0.51	<0.51	<0.51	<0.51	<1.0	<1.0	<0.51			ND (5.0)	
Hexachlorocyclopentadiene	5	<7.1	<7.7	<7.1	<7.1	<7.1	<7.1	<7.1	<10	<10	<7.1			ND (29)	
Hexachloroethane	5	<0.55	<0.59	<0.55	<0.55	<0.55	<0.55	<0.55	<2.0	<2.0	<0.55			ND (4.0)	
Indeno(1,2,3-cd)pyrene	0.002	<0.37	0.55 J	<0.37	0.58 J	<0.37	<0.37	<0.37	<1.0	<1.0	<0.37			ND (3.4)	a
Isophorone	5	<0.27	<0.30	<0.27	<0.27	<0.27	<0.27	<0.27	<2.0	<2.0	<0.27			ND (2.8)	
2-Methylnaphthalene	NS	0.45 J	<0.42	<0.38	<0.38	<0.38	<0.38	<0.38	<1.0	0.76 J	<0.38			2970	
2-Nitroaniline	5	<1.1	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<1.1			ND (2.8)	a
3-Nitroaniline	5	<1.3	<1.4	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<5.0	<1.3			ND (4.0)	
4-Nitroaniline	5	<1.7	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7	<5.0	<5.0	<1.7			ND (4.5)	
Naphthalene	10	4.5	3.9	5.5 B	10.3	5.8	<0.26	<0.26	1.3	11	<0.26			14500	
Nitrobenzene	0.4	<0.42	<0.45	<0.42	<0.42	<0.42	<0.42	<0.42	<2.0	<2.0	<0.42			ND (6.6)	a
N-Nitroso-di-n-propylamine	NS	<0.30	<0.33	<0.30	<0.30	<0.30	<0.30	<0.30	<2.0	<2.0	<0.30			ND (4.9)	
N-Nitrosodiphenylamine	50	<0.31	<0.33	<0.31	<0.31	<0.31	<0.31	<0.31	<5.0	<5.0	<0.31			ND (2.3)	
Phenanthrene	50	<0.29	1.2	0.87 J	0.98 J	<0.29	<0.29	<0.29	0.79 J	1.4	<0.29			817	
Pyrene	50	<0.27	5.0	1.3	4.2	<0.27	<0.27	<0.27	5.6	<1.0	<0.27			126	
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.33	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (3.8)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-18D												
Lab Sample ID	**NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values**	**JA86145-2**	**JA99361-8**	**JB5986-7**	**JB14495-10**	**JB24251-8**	**JB31021-10**	**JB39234-4**	**JB47100-4**	**JB55981-9**	**JB62825-7**	**NOT SAMPLED**	**JB77273-14**	**NOT SAMPLED**
Date Sampled		**9/14/2011**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**		**9/23/2014**	
		Post Treatment												
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.97	<0.97	<0.97	<9.7	<0.97	<0.97	<5.0	<5.0	<0.97		<5.0	
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<1.8	<18	<1.8	<1.8	<5.0	<5.0	<1.8		<5.0	
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<5.0	<2.0	<1.2		<2.0	
2,4-Dimethylphenol	1	**21.2**	**37.1**	**58.1**	**3.7** J	**47.4** J	**74.1**	**58.1**	**8.9**	**72.5**	**3.5** J		<5.0	
2,4-Dinitrophenol	10	<17	<17	<17	<17	<170	<17	<17	<20	<20	<17		<20	
4,6-Dinitro-o-cresol	NS	<0.99	<0.99	<0.99	<0.99	<9.9	<0.99	<0.99	<20	<20	<0.99		<20	
2-Methylphenol	NS	5.0	12.9	16.0	1.9 J	<10	15.5	9.3	<2.0	8.4	<1.0		<2.0	
3&4-Methylphenol	NS	8.6	<0.93	17.0	1.3 J	<9.3	20.0	17.2	<2.0	17.5	<0.93		<2.0	
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<5.0	<5.0	<1.5		<5.0	
4-Nitrophenol	1	<5.2	<5.2	<5.2	<5.2	<52	<5.2	<5.2	<10	<10	<5.2		<10	
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<14	<1.4	<1.4	<10	<10	<1.4		<10	
Phenol	1	<1.3	<1.3	**3.9**	<1.3	<13	<1.3	<1.3	<2.0	<2.0	<1.3		<2.0	
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.94	<0.94	<0.94	<9.4	<0.94	<0.94	<5.0	<5.0	<0.94		<5.0	
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<16	<1.6	<1.6	<5.0	<5.0	<1.6		<5.0	
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.0	<5.0	<1.3		<5.0	
Acenaphthene	20	**324**	**301**	**317**	**275**	**226**	**334**	**270**	**267**	**307**	7.3		**200**	
Acenaphthylene	NS	<0.23	1.4	<0.23	0.99 J	<2.3	<0.23	<0.23	<1.0	<1.0	<0.23		2.3	
Acetophenone	NS	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.0	<2.0	<0.29		<2.0	
Anthracene	50	4.0	2.9	3.8	3.0	<2.9	5.5	4.9	6.7	6.2	0.42 J		3.3	
Atrazine	7.5	<0.49	<0.49	<0.49	<0.49	<4.9	<0.49	<0.49	<5.0	<2.0	<0.49		<2.0	
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<33	<3.3	<3.3	<5.0	<5.0	<3.3		2.3 J	
Benzo(a)anthracene	0.002	**0.48** J	<0.23	<0.23	<0.23	<2.3	<0.23	<0.23	<1.0	<1.0	<0.23		<1.0	
Benzo(a)pyrene	ND	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.23	<1.0	<1.0	<0.23		<1.0	
Benzo(b)fluoranthene	0.002	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<1.0	<1.0	<0.46		<1.0	
Benzo(g,h,i)perylene	5	<0.32	<0.32	<0.32	<0.32	<3.2	<0.32	<0.32	<1.0	<1.0	<0.32		<1.0	
Benzo(k)fluoranthene	0.002	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.0	<1.0	<0.51		<1.0	
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<2.0	<2.0	<0.36		<2.0	
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<2.0	<2.0	<0.29		<2.0	
1,1'-Biphenyl	5	**40.6**	**30.4**	**28.4**	4.6	**12.3**	**20.9**	**20.1**	3.8	**23.7**	0.83 J		1.3	
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.0	<2.0	<0.30		<2.0	
4-Chloroaniline	5	<0.53	<0.53	<0.53	<0.53	<5.3	<0.53	<0.53	<5.0	<5.0	<0.53		<5.0	
Carbazole	NS	20.9	22.4	21.6	11.0	22.8	21.9	17.4	15.5	26	2.1		15.2	
Caprolactam	NS	<0.69	<0.69	<0.69	<0.69	<6.9	<0.69	<0.69	<2.0	<2.0	<0.69		<2.0	
Chrysene	0.002	**0.42** J	<0.29	<0.29	<0.29	<2.9	<0.29	<0.29	<1.0	<1.0	<0.29		<1.0	
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31		<2.0	
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31		<2.0	
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.45	<0.45	<0.45	<4.5	<0.45	<0.45	<2.0	<2.0	<0.45		<2.0	
4-Chlorophenyl phenyl ether	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31		<2.0	
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.43	<2.0	<1.0	<0.43		<1.0	
2,6-Dinitrotoluene	5	<0.46	<0.46	<0.46	<0.46	<4.6	<0.46	<0.46	<2.0	<1.0	<0.46		<1.0	
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<0.36	<3.6	<0.36	<0.36	<5.0	<2.0	<0.36		<2.0	
Dibenzo(a,h)anthracene	50	<0.38	<0.38	<0.38	<0.38	<3.8	<0.38	<0.38	<1.0	<1.0	<0.38		<1.0	
Dibenzofuran	NS	144	120	92.1	68.4	112	90.9	72.1	104	129	3.7 J		75.9	
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<0.56	<5.6	<0.56	<0.56	<2.0	<2.0	<0.56		<2.0	
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31		<2.0	
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.33	<2.0	<2.0	<0.33		<2.0	
Dimethyl phthalate	50	<0.28	<0.28	<0.28	<0.28	<2.8	<0.28	<0.28	<2.0	<2.0	<0.28		<2.0	
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.59	3.5	<0.59	<5.9	<0.59	<0.59	<2.0	3.7 B	1.0 J		1.0 J	
Fluoranthene	50	4.5	4.0	3.4	2.5	4.7 J	4.0	4.3	4.5	4.7	<0.32		3.8	
Fluorene	50	42.8	46.4	44.5	27.3	47.1	43.9	41.6	43.9	55.1	1.8		30.9	
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.34	<1.0	<1.0	<0.34		<1.0	
Hexachlorobutadiene	0.5	<0.51	<0.51	<0.51	<0.51	<5.1	<0.51	<0.51	<1.0	<1.0	<0.51		<1.0	
Hexachlorocyclopentadiene	5	<7.1	<7.1	<7.1	<7.1	<71	<7.1	<7.1	<10	<10	<7.1		<10	
Hexachloroethane	5	<0.55	<0.55	<0.55	<0.55	<5.5	<0.55	<0.55	<2.0	<2.0	<0.55		<2.0	
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.37	<0.37	<0.37	<3.7	<0.37	<0.37	<1.0	<1.0	<0.37		<1.0	
Isophorone	5	<0.27	<0.27	<0.27	<0.27	<2.7	<0.27	<0.27	<2.0	<2.0	<0.27		<2.0	
2-Methylnaphthalene	NS	9.5	432	<0.38	<0.38	<3.8	<0.38	5.6	<1.0	5.7	1.4		<1.0	
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<11	<1.1	<1.1	<5.0	<5.0	<1.1		<5.0	
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<13	<1.3	<1.3	<5.0	<5.0	<1.3		<5.0	
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<17	<1.7	<1.7	<5.0	<5.0	<1.7		<5.0	
Naphthalene	10	**1170**	**300**	**914**	**53.0**	**676**	**1740**	**1210**	**114**	**1500**	**52.6**		**33.5**	
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<0.42	<4.2	<0.42	<0.42	<2.0	<2.0	<0.42		<2.0	
N-Nitroso-di-n-propylamine	NS	<0.30	<0.30	<0.30	<0.30	<3.0	<0.30	<0.30	<2.0	<2.0	<0.30		<2.0	
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<5.0	<5.0	<0.31		<5.0	
Phenanthrene	50	**63.0**	**59.5**	**54.6**	38.9	**55.5**	**53.5**	**50.5**	**61.1**	**67**	3.4		43.6	
Pyrene	50	2.1	1.6	1.7	1.2	<2.7	2.8	2.0	1.9	2.3	<0.27		2.0	
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<3.1	<0.31	<0.31	<2.0	<2.0	<0.31		<2.0	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analy
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

								MW-19D								
Lab Sample ID	**NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values**	**JA86022-6 9/13/2011 Post Treatment**		**JA99488-4 2/15/2012**		**JB6090-4 5/9/2012**		**JB14495-11 8/27/2012**		**JB24251-9 12/18/2012**		**JB31021-11 3/11/2013**		**JB39020-8 6/6/2013**		**JB47100-6 9/11/2013**		**JB55981-10 12/18/2013**		**JB62825-8 3/24/2014**		**NOT SAMPLED (Semi-Annual Sampling)**	**JB77273-18 9/24/2014**		**JD54013-10 10/20/2022**	
Date Sampled		**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**		**Result**	**Q**	**Result**	**Q**
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																										
2-Chlorophenol	NS	<0.97		<1.0		<0.97		<0.97		<0.97		<0.97		<0.97		<5.0		<5.0		<0.97			<5.0		ND (0.82)	
4-Chloro-3-methyl phenol	NS	<1.8		<1.9		<1.8		<1.8		<1.8		<1.8		<1.8		<5.0		<5.0		<1.8			<5.0		ND (0.89)	
2,4-Dichlorophenol	5	<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<5.0		<2.0		<1.2			<2.0		ND (1.3)	
2,4-Dimethylphenol	1	5.3		5.4		<1.5		9.1		<1.5		18.5		<1.5		3.5	J	<5.0		34.5			<5.0		ND (2.4)	
2,4-Dinitrophenol	10	<17		<17		<17		<17		<17		<17		<17		<17		<20		<17			<20		ND (1.6)	a
4,6-Dinitro-o-cresol	NS	<0.99		<1.0		<0.99		<0.99		<0.99		<0.99		<0.99		<20		<20		<0.99			<20		ND (1.3)	a
2-Methylphenol	NS	1.5	J	5.6		3.1		2.1		<1.0		4.1		<1.0		3.5		<2.0		7.0			<2.0		ND (0.89)	
3&4-Methylphenol	NS	16.0		30.4		26.2		11.3		<0.93		9.6		<0.93		9.8		<2.0		13.4			<2.0		ND (0.88)	
2-Nitrophenol	1	<1.5		<1.6		<1.5		<1.5		<1.5		<1.5		<1.5		<5.0		<5.0		<1.5			<5.0		ND (0.96)	a
4-Nitrophenol	1	<5.2		<5.4		<5.2		<5.2		<5.2		<5.2		<5.2		<10		<10		<5.2			<10		ND (1.2)	
Pentachlorophenol	NS	<1.4		<1.4		<1.4		<1.4		<1.4		<1.4		<1.4		<10		<10		<1.4			<10		ND (1.4)	
Phenol	1	2.3		16.8		23.6		13.8		<1.3		10.6		<1.3		<2.0		<2.0		<1.3			<2.0		ND (0.39)	a
2,3,4,6-Tetrachlorophenol	NS	<0.94		<0.98		<0.94		<0.94		<0.94		<0.94		<0.94		<5.0		<5.0		<0.94			<5.0		ND (1.5)	
2,4,5-Trichlorophenol	1	<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<5.0		<5.0		<1.6			<5.0		ND (1.3)	
2,4,6-Trichlorophenol	1	<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<5.0		<5.0		<1.3			<5.0		ND (0.92)	
Acenaphthene	20	2.6		<0.27		2.6		20.9		3.5		2.7		2.4		130		3.8		303			4.6		158	
Acenaphthylene	NS	<0.23		<0.24		<0.23		<0.23		<0.23		<0.23		<0.23		<1.0		<1.0		<0.23			<1.0		ND (0.14)	
Acetophenone	NS	2.7		2.3		2.3		<0.29		<0.29		<0.29		<0.29		<2.0		<2.0		<0.29			<2.0		ND (0.21)	
Anthracene	50	<0.29		1.2		<0.29		6.5		0.56	J	<0.29		<0.29		14.2		1.6		10.2			<1.0		8.9	
Atrazine	7.5	<0.49		<0.51		<0.49		<0.49		<0.49		<0.49		<0.49		<5.0		<2.0		<0.49			<2.0		ND (0.45)	
Benzaldehyde	NS	<3.3		<3.4		<3.3		<3.3		<3.3		<3.3		<3.3		<5.0		<5.0		<3.3			<5.0		ND (0.29)	
Benzo(a)anthracene	0.002	<0.23		0.52	J	0.64	J	1.1		<0.23		<0.23		<0.23		4.1		0.49	J	<0.23			<1.0		0.44	J
Benzo(a)pyrene	ND	<0.23		<0.24		<0.23		<0.23		<0.23		<0.23		<0.23		3.3		<1.0		<0.23			<1.0		ND (0.21)	
Benzo(b)fluoranthene	0.002	<0.46		<0.48		<0.46		<0.46		<0.46		<0.46		<0.46		3.5		<1.0		<0.46			<1.0		ND (0.21)	
Benzo(g,h,i)perylene	5	<0.32		<0.34		<0.32		<0.32		<0.32		<0.32		<0.32		1.4		<1.0		<0.32			<1.0		ND (0.34)	
Benzo(k)fluoranthene	0.002	<0.51		<0.53		<0.51		<0.51		<0.51		<0.51		<0.51		1.3		<1.0		<0.51			<1.0		ND (0.21)	
4-Bromophenyl phenyl ether	NS	<0.36		<0.37		<0.36		<0.36		<0.36		<0.36		<0.36		<2.0		<2.0		<0.36			<2.0		ND (0.40)	
Butyl benzyl phthalate	50	<0.29		<0.30		<0.29		<0.29		<0.29		<0.29		<0.29		<2.0		<2.0		<0.29			<2.0		ND (0.46)	
1,1'-Biphenyl	5	<0.30		<0.32		0.93	J	8.2		<0.30		0.95	J	<0.30		38.5		0.94	J	12.1			<1.0		47.4	
2-Chloronaphthalene	10	<0.30		<0.31		<0.30		<0.30		<0.30		<0.30		<0.30		<2.0		<2.0		<0.30			<2.0		ND (0.24)	
4-Chloroaniline	5	<0.53		<0.55		<0.53		<0.53		<0.53		<0.53		<0.53		<5.0		<5.0		<0.53			<5.0		ND (0.34)	d
Carbazole	NS	1.2		<0.38		1.1		2.2		2.2		1.1		0.99	J	24		3.3		21.2			2.0		102	
Caprolactam	NS	<0.69		<0.72		<0.69		<0.69		<0.69		<0.69		<0.69		<2.0		<2.0		<0.69			<2.0		ND (0.65)	a
Chrysene	0.002	<0.29		0.58	J	0.80	J	0.96	J	<0.29		<0.29		<0.29		3.7		<1.0		<0.29			<1.0		0.31 J	
bis(2-Chloroethoxy)methane	5	<0.31		<0.32		<0.31		<0.31		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.28)	
bis(2-Chloroethyl)ether	1	<0.31		<0.32		<0.31		<0.31		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.25)	a
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.47		<0.45		<0.45		<0.45		<0.45		<0.45		<2.0		<2.0		<0.45			<2.0		ND (0.40)	
4-Chlorophenyl phenyl ether	NS	<0.31		<0.33		<0.31		<0.31		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.37)	
2,4-Dinitrotoluene	5	<0.43		<0.44		<0.43		<0.43		<0.43		<0.43		<0.43		<2.0		<1.0		<0.43			<1.0		ND (0.55)	
2,6-Dinitrotoluene	5	<0.46		<0.48		<0.46		<0.46		<0.46		<0.46		<0.46		<2.0		<1.0		<0.46			<1.0		ND (0.48)	
3,3'-Dichlorobenzidine	5	<0.36		<0.38		<0.36		<0.36		<0.36		<0.36		<0.36		<5.0		<2.0		<0.36			<2.0		ND (0.51)	
Dibenzo(a,h)anthracene	50	<0.38		<0.39		<0.38		<0.38		<0.38		<0.38		<0.38		<1.0		<1.0		<0.38			<1.0		ND (0.33)	
Dibenzofuran	NS	1.6	J	2.5	J	2.3	J	18.1		1.9	J	2.4	J	1.0	J	102		10.9		111			1.7	J	97.1	
Di-n-butyl phthalate	50	<0.56		<0.58		<0.56		<0.56		<0.56		<0.56		<0.56		<2.0		<2.0		<0.56			1.4	BJ	ND (0.50)	
Di-n-octyl phthalate	50	<0.31		<0.32		<0.31		<0.31		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.23)	
Diethyl phthalate	50	<0.33		<0.34		<0.33		<0.33		<0.33		1.2	J	<0.33		<2.0		<2.0		<0.33			<2.0		ND (0.26)	
Dimethyl phthalate	50	<0.28		<0.29		<0.28		<0.28		<0.28		<0.28		<0.28		<2.0		<2.0		<0.28			<2.0		ND (0.22)	
bis(2-Ethylhexyl)phthalate	5	<0.59		<0.61		1.3	J	<0.59		<0.59		<0.59		<0.59		<2.0		4.3		3.1	B		<2.0		ND (1.7)	
Fluoranthene	50	<0.32		2.0		1.7		6.3		0.84	J	<0.32		<0.32		23.4		3		5.5			<1.0		4.8	
Fluorene	50	0.86	J	0.74	J	0.66	J	16.1		1.7		<0.28		0.90	J	87		1.6		48.9			0.97	J	73	
Hexachlorobenzene	0.04	<0.34		<0.35		<0.34		<0.34		<0.34		<0.34		<0.34		<1.0		<1.0		<0.34			<1.0		ND (0.33)	
Hexachlorobutadiene	0.5	<0.51		<0.53		<0.51		<0.51		<0.51		<0.51		<0.51		<1.0		<1.0		<0.51			<1.0		ND (0.49)	
Hexachlorocyclopentadiene	5	<7.1		<7.4		<7.1		<7.1		<7.1		<7.1		<7.1		<10		<10		<7.1			<10		ND (2.8)	
Hexachloroethane	5	<0.55		<0.57		<0.55		<0.55		<0.55		<0.55		<0.55		<2.0		<2.0		<0.55			<2.0		ND (0.39)	
Indeno(1,2,3-cd)pyrene	0.002	<0.37		<0.39		<0.37		<0.37		<0.37		<0.37		<0.37		1.4		<1.0		<0.37			<1.0		ND (0.33)	
Isophorone	5	<0.27		<0.28		<0.27		<0.27		<0.27		<0.27		<0.27		<2.0		<2.0		<0.27			<2.0		ND (0.28)	
2-Methylnaphthalene	NS	1.7		3.5		3.5		39.1		0.67	J	4.0		<0.38		4.4		<1.0		<0.38			<1.0		135	
2-Nitroaniline	5	<1.1		<1.2		<1.1		<1.1		<1.1		<1.1		<1.1		<5.0		<5.0		<1.1			<5.0		ND (0.28)	a
3-Nitroaniline	5	<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<5.0		<5.0		<1.3			<5.0		ND (0.39)	
4-Nitroaniline	5	<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		<5.0		<5.0		<1.7			<5.0		ND (0.44)	
Naphthalene	10	19.6		54.4		50.2	B	214		10.9		76.9		4.4		1150		3.3		879			2.5		1500	
Nitrobenzene	0.4	<0.42		<0.44		<0.42		<0.42		<0.42		<0.42		<0.42		<2.0		<2.0		<0.42			<2.0		ND (0.64)	
N-Nitroso-di-n-propylamine	NS	<0.30		<0.31		<0.30		<0.30		<0.30		<0.30		<0.30		<2.0		<2.0		<0.30			<2.0		ND (0.48)	
N-Nitrosodiphenylamine	50	<0.31		<0.32		<0.31		<0.31		<0.31		<0.31		<0.31		<5.0		<5.0		<0.31			<5.0		ND (0.22)	
Phenanthrene	50	2.0		3.7		4.1		27.9		2.6		3.1		1.4		106		<1.0		73.9			1.3		66.6	
Pyrene	50	<0.27		1.7		1.9		4.1		<0.27		<0.27		<0.27		16.1		2.1		2.7			<1.0		3.3	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.32		<0.31		<0.31		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.37)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-20S (Treatment Zone Well)																			
Date Sampled		JA86022-5 9/13/2011 Post Treatment		JA99361-9 2/14/2012		JB5986-8 5/8/2012		JB14495-12 8/27/2012		JB24251-10 12/18/2012		JB31021-12 3/11/2013		JB39020-9 6/6/2013		JB46946-9 9/10/2013		JB55981-11 12/18/2013		JB62825-9 3/24/2014		JB70168-6 6/24/2014		JB77273-9 9/23/2014		JD54013-20 10/21/2022	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																											
2-Chlorophenol	NS	<0.97		<4.9		<0.97		<1.1		<0.97		<0.97		<0.97		<5.1		<5.0		<1.1		<1.3		<5.0		ND (0.82)	
4-Chloro-3-methyl phenol	NS	<1.8		<9.2		<1.8		<2.1		<1.8		<1.8		<1.8		<5.1		<5.0		<2.1		<1.3		<5.0		ND (0.89)	
2,4-Dichlorophenol	5	<1.2		<5.8		<1.2		<1.4		<1.2		<1.2		<1.2		<5.1		<2.0		<1.3		<1.6		<2.0		ND (1.3)	
2,4-Dimethylphenol	1	7.9		<7.7		10		<1.8		<1.5		13.2		<1.5		8.1		73.1		7.3		11.9		5.1		3.1	J
2,4-Dinitrophenol	10	<17		<83		<17		<19		<17		<17		<17		<20		<20		<19		<6.5		<20		ND (1.6)	
4,6-Dinitro-o-cresol	NS	<0.99		<5.0		<0.99		<1.2		<0.99		<0.99		<0.99		<20		<20		<1.1		<1.3		<20		ND (1.3)	
2-Methylphenol	NS	3.0		<5.3		3.9		1.5	J	<1.0		18.5		<1.0		<2.0		76		2.5		<1.3		<2.0		1	J
3&4-Methylphenol	NS	20.9		21.2		21.1		4.2		<0.93		4.8		<0.93		<2.0		118		6.3		<1.1		<2.0		ND (0.88)	
2-Nitrophenol	1	<1.5		<7.6		<1.5		<1.8		<1.5		<1.5		<1.5		<5.1		<5.0		<1.7		<1.9		<5.0		ND (0.96)	
4-Nitrophenol	1	<5.2		<26		<5.2		<6.1		<5.2		<5.2		<5.2		<10		<10		<5.9		<0.91		<10		ND (1.2)	a
Pentachlorophenol	NS	<1.4		<7.0		<1.4		<1.6		<1.4		<1.4		<1.4		<10		<10		<1.6		<1.4		<10		ND (1.4)	a
Phenol	1	3.0		<6.5		<1.3		<1.5		<1.3		<1.3		<1.3		<2.0		33.1		<1.5		<0.55		<2.0		ND (0.39)	
2,3,4,6-Tetrachlorophenol	NS	<0.94		<4.7		<0.94		<1.1		<0.94		<0.94		<0.94		<5.1		<5.0		<1.1		<1.4		<5.0		ND (1.5)	
2,4,5-Trichlorophenol	1	<1.6		<7.9		<1.6		<1.8		<1.6		<1.6		<1.6		<5.1		<5.0		<1.8		<1.7		<5.0		ND (1.3)	
2,4,6-Trichlorophenol	1	<1.3		<6.5		<1.3		<1.5		<1.3		<1.3		<1.3		<5.1		<5.0		<1.5		<1.5		<5.0		ND (0.92)	
Acenaphthene	20	6.3		31.1		7.5		8.8		1.1		2.8		2.9		8.3		3.4		18.8		1.5		8.3		118	
Acenaphthylene	NS	3.0		11.7		<0.23		5.1		<0.23		<0.23		0.99	J	2.6		1.5		<0.26		0.65	J	<1.0		ND (0.14)	
Acetophenone	NS	1.9	J	<1.4		<0.29		<0.34		<0.29		<0.29		<0.29		<2.0		<2.0		<0.32		<0.36		<2.0		ND (0.21)	
Anthracene	50	2.8		24.4		4.4		8.1		0.47	J	1.6		1.8		2.8		2.7		1.9		1.4		0.90	J	6	
Atrazine	7.5	<0.49		<2.5		<0.49		<0.57		<0.49		<0.49		<0.49		<5.1		<2.0		<0.55		<0.42		<2.0		ND (0.45)	a
Benzaldehyde	NS	<3.3		<16		<3.3		<3.8		<3.3		<3.3		<3.3		<5.1		<5.0		<3.7		<0.67		<5.0		ND (0.29)	
Benzo(a)anthracene	0.002	2.5		41.1		4.6		11.2		0.52	J	<0.23		2.1		2.9		2.7		2.7		0.95	J	0.64	J	0.49	J
Benzo(a)pyrene	ND	1.8		14.7		1.9		3.8		<0.23		<0.23		1.6		2.8		2.2		2.7		0.9	J	0.72	J	ND (0.21)	
Benzo(b)fluoranthene	0.002	1.9		33.3		3.6		9.1		<0.46		<0.46		1.9		3.3		2.8		3.6		0.99	J	0.89	J	ND (0.21)	
Benzo(g,h,i)perylene	5	1.2		20.0		2.6		8.1		<0.32		<0.32		1.1		2.2		1.7		1.9		0.51	J	0.57	J	ND (0.34)	
Benzo(k)fluoranthene	0.002	1.0		18.6		2.7		8.2		<0.51		<0.51		0.76	J	0.74	J	0.82	J	0.60	J	0.43	J	<1.0		ND (0.21)	
4-Bromophenyl phenyl ether	NS	<0.36		<1.8		<0.36		<0.42		<0.36		<0.36		<0.36		<2.0		<2.0		<0.41		<0.25		<2.0		ND (0.40)	
Butyl benzyl phthalate	50	<0.29		<1.5		<0.29		<0.34		<0.29		<0.29		<0.29		<2.0		<2.0		<0.33		<0.22		<2.0		ND (0.46)	
1,1'-Biphenyl	5	2.2		11.1		2.4		3.0		<0.30		1.2		0.95	J	0.97	J	0.88	J	2.0		<0.27		<1.0		11	
2-Chloronaphthalene	10	<0.30		<1.5		<0.30		<0.35		<0.30		<0.30		<0.30		<2.0		<2.0		<0.34		<0.34		<2.0		ND (0.24)	
4-Chloroaniline	5	<0.53		<2.7		<0.53		<0.62		<0.53		<0.53		<0.53		<5.1		<5.0		<0.60		<0.30		<5.0		ND (0.34)	
Carbazole	NS	4.6		11.9		4.1		4.3		<0.36		1.7		1.4		<1.0		0.95	J	0.50	J	1.2		<1.0		19.3	
Caprolactam	NS	<0.69		<3.5		<0.69		<0.81		<0.69		<0.69		<0.69		<2.0		<2.0		<0.78		<0.41		<2.0		ND (0.65)	
Chrysene	0.002	3.0		46.9		5.8		17.2		0.38	J	<0.29		2.0		2.5		2.8		2.5		0.97	J	0.81	J	0.22	J
bis(2-Chloroethoxy)methane	5	<0.31		<1.6		<0.31		<0.36		<0.31		<0.31		<0.31		<2.0		<2.0		<0.35		<0.42		<2.0		ND (0.28)	
bis(2-Chloroethyl)ether	1	<0.31		<1.6		<0.31		<0.36		<0.31		<0.31		<0.31		<2.0		<2.0		<0.35		<0.43		<2.0		ND (0.25)	
bis(2-Chloroisopropyl)ether	NS	<0.45		<2.3		<0.45		<0.53		<0.45		<0.45		<0.45		<2.0		<2.0		<0.52		<0.41		<2.0		ND (0.40)	
4-Chlorophenyl phenyl ether	NS	<0.31		<1.6		<0.31		<0.37		<0.31		<0.31		<0.31		<2.0		<2.0		<0.35		<0.38		<2.0		ND (0.37)	
2,4-Dinitrotoluene	5	<0.43		<2.2		<0.43		<0.50		<0.43		<0.43		<0.43		<2.0		<1.0		<0.48		<0.32		<1.0		ND (0.55)	
2,6-Dinitrotoluene	5	<0.46		<2.3		<0.46		<0.54		<0.46		<0.46		<0.46		<2.0		<1.0		<0.52		<0.26		<1.0		ND (0.48)	
3,3'-Dichlorobenzidine	5	<0.36		<1.8		<0.36		<0.42		<0.36		<0.36		<0.36		<5.1		<2.0		<0.41		<0.56		<2.0		ND (0.51)	
Dibenzo(a,h)anthracene	50	<0.38		5.5		1.1		2.4		<0.38		<0.38		<0.38		0.48	J	0.51	J	<0.43		<0.28		<1.0		ND (0.33)	
Dibenzofuran	NS	7.9		47.4		10.7		13.3		1.7	J	3.9	J	3.4	J	5.2		4.3	J	9.9		1.6 J		4.2	J	42.6	
Di-n-butyl phthalate	50	<0.56		<2.8		<0.56		<0.65		<0.56		<0.56		<0.56		<2.0		<2.0		<0.63		<0.58		<2.0		14.1	B
Di-n-octyl phthalate	50	<0.31		<1.6		<0.31		<0.36		<0.31		<0.31		<0.31		<2.0		<2.0		<0.35		<0.25		<2.0		ND (0.23)	
Diethyl phthalate	50	<0.33		<1.7		<0.33		<0.38		<0.33		<0.33		<0.33		<2.0		<2.0		<0.37		<0.23		<2.0		ND (0.26)	
Dimethyl phthalate	50	<0.28		<1.4		<0.28		<0.33		<0.28		<0.28		<0.28		<2.0		<2.0		<0.32		<0.26		<2.0		ND (0.22)	
bis(2-Ethylhexyl)phthalate	5	1.4	J	22.4		3.7		5.9		<0.59		<0.59		0.91	J	<2.0		1.4	J	7.6	B	1.2	J	2.4		ND (1.7)	
Fluoranthene	50	8.2		112		13.6		27.4		1.6		1.2		3.8		7.9		5.3		13.8		2.1		3.3		4.9	
Fluorene	50	4.4		35.2		7.7		9.7		1.0		2.8		3.0		1.5		1.9		2.0		1.2		0.70	J	25.6	
Hexachlorobenzene	0.04	<0.34		<1.7		<0.34		<0.40		<0.34		<0.34		<0.34		<1.0		<1.0		<0.38		<0.46		<1.0		ND (0.33)	
Hexachlorobutadiene	0.5	<0.51		<2.6		<0.51		<0.60		<0.51		<0.51		<0.51		<1.0		<1.0		<0.58		<0.39		<1.0		ND (0.49)	
Hexachlorocyclopentadiene	5	<7.1		<36		<7.1		<8.4		<7.1		<7.1		<7.1		<10		<10		<8.1		<0.48		<10		ND (2.8)	
Hexachloroethane	5	<0.55		<2.8		<0.55		<0.65		<0.55		<0.55		<0.55		<2.0		<2.0		<0.62		<0.29		<2.0		ND (0.39)	
Indeno(1,2,3-cd)pyrene	0.002	0.64	J	9.5		1.5		4.0		<0.37		<0.37		0.96	J	1.1		1.4		0.89	J	0.42	J	<1.0		ND (0.33)	
Isophorone	5	<0.27		<1.4		<0.27		<0.32		<0.27		<0.27		<0.27		<2.0		<2.0		<0.31		<0.34		<2.0		ND (0.28)	
2-Methylnaphthalene	NS	6.9		27.1		6.5		5.4		0.45	J	0.99	J	0.52	J	0.9	J	<1.0		3.6		<0.29		<1.0		50.1	
2-Nitroaniline	5	<1.1		<5.6		<1.1		<1.3		<1.1		<1.1		<1.1		<5.1		<5.0		<1.3		<0.32		<5.0		ND (0.28)	
3-Nitroaniline	5	<1.3		<6.4		<1.3		<1.5		<1.3		<1.3		<1.3		<5.1		<5.0		<1.4		<0.26		<5.0		ND (0.39)	
4-Nitroaniline	5	<1.7		<8.3		<1.7		<1.9		<1.7		<1.7		<1.7		<5.1		<5.0		<1.9		<0.30		<5.0		ND (0.44)	
Naphthalene	10	78.8		185		74.9		30.5		15.5		33.0		29.7		67.6		19.8		212		33.5		26.4		961	
Nitrobenzene	0.4	<0.42		<2.1		<0.42		<0.49		<0.42		<0.42		<0.42		<2.0		<2.0		<0.48		<0.52		<2.0		ND (0.64)	
N-Nitroso-di-n-propylamine	NS	<0.30		<1.5		<0.30		<0.36		<0.30		<0.30		<0.30		<2.0		<2.0		<0.34		<0.38		<2.0		ND (0.48)	
N-Nitrosodiphenylamine	50	<0.31		<1.5		<0.31		<0.36		<0.31		<0.31		<0.31		<2.0		<2.0		<0.35		<0.21		<5.0		ND (0.22)	
Phenanthrene	50	16.6		165		25.1		46.3		3.3		7.0		9.0		19.2		9.5		31.3		4.7		15.6		35.8	
Pyrene	50	7.8		100		12.7		27.4		1.1		0.87	J	2.8		7		5.1		10.6		1.5		2.7		2.8	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<1.5		<0.31		<0.36		<0.31		<0.31		<0.31		<2.0		<2.0		<0.35		<0.44		<2.0		ND (0.37)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-21S (Treatment Zone Well)												
		JA85941-3 9/12/2011 Post Treatment		JA99488-5 2/15/2012		JB6090-6 5/9/2012		JB14495-13 8/27/2012		JB24380-11 12/19/2012		JB31021-13 3/11/2013		JB39234-5 6/10/2013		JB47100-5 9/11/2013		JB56101-3 12/19/2013		JB62930-5 3/25/2014		NOT SAMPLED	JB77273-1 9/22/2014		JD54013-7 10/19/2022	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		Result	Q	Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																										
2-Chlorophenol	NS	<0.97		<0.97		<0.97		<0.97		<1.0		<0.97		<0.97		<5.0		<5.0		<0.97			<5.0		ND (0.82)	
4-Chloro-3-methyl phenol	NS	<1.8		<1.8		<1.8		<1.8		<1.9		<1.8		<1.8		<5.0		<5.0		<1.8			<5.0		ND (0.89)	
2,4-Dichlorophenol	5	<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<5.0		<2.0		<1.2			<2.0		ND (1.3)	
2,4-Dimethylphenol	1	<1.5		11.0		<1.5		8.1		14.0		17.5		5.0		26.5		3	J	<1.5			7.6		4.8	J
2,4-Dinitrophenol	10	<17		<17		<17		<17		<17		<17		<17		<20		<20		<17			<20		ND (1.6)	a
4,6-Dinitro-o-cresol	NS	<0.99		<0.99		<0.99		<0.99		<1.0		<0.99		<0.99		<20		<20		<0.99			<20		ND (1.3)	a
2-Methylphenol	NS	2.6		<1.0		4.6		2.9		5.9		7.7		1.8	J	13.1		1.5	J	<1.0			<2.0		4.5	
3&4-Methylphenol	NS	10.5		<0.93		14.9		23.6		6.8		18.0		4.2		63.3		1.5	J	1.7	J		82.6		1.1	J
2-Nitrophenol	1	<1.5		<1.5		<1.5		<1.5		<1.5		<1.5		<1.5		<5.0		<5.0		<1.5			<5.0		ND (0.96)	a
4-Nitrophenol	1	<5.2		<5.2		<5.2		<5.2		<5.4		<5.2		<5.2		<10		<10		<5.2			<10		ND (1.2)	
Pentachlorophenol	NS	<1.4		<1.4		<1.4		<1.4		<1.4		<1.4		<1.4		<10		<10		<1.4			<10		ND (1.4)	
Phenol	1	<1.3		<1.3		<1.3		5.7		<1.3		<1.3		<1.3		11.4		<2.0		<1.3			<2.0		ND (0.39)	a
2,3,4,6-Tetrachlorophenol	NS	<0.94		<0.94		<0.94		<0.94		<0.97		<0.94		<0.94		<5.0		<5.0		<0.94			<5.0		ND (1.5)	
2,4,5-Trichlorophenol	1	<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<5.0		<5.0		<1.6			<5.0		ND (1.3)	
2,4,6-Trichlorophenol	1	<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<5.0		<5.0		<1.3			<5.0		ND (0.92)	
Acenaphthene	20	10.7		11.9		10.1		7.9		12.5		8.2		7.9		11.4		7		6.9			2.3		265	
Acenaphthylene	NS	<0.23		<0.23		<0.23		0.59	J	<0.24		<0.23		<0.23		<1.0		<1.0		<0.23			<1.0		4.3	
Acetophenone	NS	7.8		10.7		6.6		9.9		2.0	J	38.2		7.5		20.6		<2.0		<0.29			<2.0		4	
Anthracene	50	2.8		5.4		1.7		2.2		0.93	J	1.1		1.3		2		1		1.1			0.72	J	3.3	
Atrazine	7.5	<0.49		<0.49		<0.49		<0.49		<0.50		<0.49		<0.49		<5.0		<2.0		<0.49			<2.0		ND (0.45)	
Benzaldehyde	NS	<3.3		<3.3		<3.3		<3.3		<3.4		<3.3		<3.3		<5.0		<5.0		<3.3			<5.0		ND (0.29)	
Benzo(a)anthracene	0.002	0.93	J	3.8		1.0		1.2		<0.23		<0.23		0.47	J	0.67	J	<1.0		0.59	J		<1.0		0.42	J
Benzo(a)pyrene	ND	<0.23		4.3		<0.23		<0.23		<0.23		<0.23		<0.23		<1.0		<1.0		<0.23			<1.0		ND (0.21)	
Benzo(b)fluoranthene	0.002	0.55	J	3.4		0.69	J	1.1		<0.47		<0.46		<0.46		0.54	J	<1.0		<0.46			<1.0		ND (0.21)	
Benzo(g,h,i)perylene	5	0.41	J	1.7		0.57	J	<0.32		<0.33		<0.32		<0.32		<1.0		<1.0		<0.32			<1.0		ND (0.34)	
Benzo(k)fluoranthene	0.002	<0.51		2.5		0.57	J	0.55	J	<0.52		<0.51		<0.51		<1.0		<1.0		<0.51			<1.0		ND (0.21)	
4-Bromophenyl phenyl ether	NS	<0.36		<0.36		<0.36		<0.36		<0.37		<0.36		<0.36		<2.0		<2.0		<0.36			<2.0		ND (0.40)	
Butyl benzyl phthalate	50	<0.29		<0.29		<0.29		<0.29		<0.30		<0.29		<0.29		<2.0		<2.0		<0.29			1.8	J	ND (0.46)	
1,1'-Biphenyl	5	4.4		4.8		4.5		3.3		4.8		2.6		2.6		4.7		2.4		3.3			1.0		17.8	
2-Chloronaphthalene	10	<0.30		<0.30		<0.30		<0.30		<0.31		<0.30		<0.30		<2.0		<2.0		<0.30			<2.0		ND (0.24)	
4-Chloroaniline	5	<0.53		<0.53		<0.53		<0.53		<0.54		<0.53		<0.53		<5.0		<5.0		<0.53			<5.0		ND (0.34)	d
Carbazole	NS	2.8		4.5		2.6		2.8		5.3		2.8		2.6		2.9		1.3		1.1			1.0		56.2	
Caprolactam	NS	<0.69		<0.69		<0.69		<0.69		<0.71		<0.69		<0.69		<2.0		<2.0		<0.69			<2.0		ND (0.65)	a
Chrysene	0.002	1.3		6.0		1.5		2.1		<0.30		<0.29		0.56	J	0.82	J	<1.0		0.61	J		<1.0		0.25	J
bis(2-Chloroethoxy)methane	5	<0.31		<0.31		<0.31		<0.31		<0.32		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.28)	
bis(2-Chloroethyl)ether	1	<0.31		<0.31		<0.31		<0.31		<0.32		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.25)	a
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.45		<0.45		<0.45		<0.47		<0.45		<0.45		<2.0		<2.0		<0.45			<2.0		ND (0.40)	
4-Chlorophenyl phenyl ether	NS	<0.31		<0.31		<0.31		<0.31		<0.32		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.37)	
2,4-Dinitrotoluene	5	<0.43		<0.43		<0.43		<0.43		<0.44		<0.43		<0.43		<2.0		<1.0		<0.43			<1.0		ND (0.55)	
2,6-Dinitrotoluene	5	<0.46		<0.46		<0.46		<0.46		<0.48		<0.46		<0.46		<2.0		<1.0		<0.46			<1.0		ND (0.48)	
3,3'-Dichlorobenzidine	5	<0.36		<0.36		<0.36		<0.36		<0.37		<0.36		<0.36		<5.0		<2.0		<0.36			<2.0		ND (0.51)	
Dibenzo(a,h)anthracene	50	<0.38		<0.38		<0.38		<0.38		<0.39		<0.38		<0.38		<1.0		<1.0		<0.38			<1.0		ND (0.33)	
Dibenzofuran	NS	12.1		16.3		11.7		9.4		14.2		8.5		7.2		13.2		6.8		8.6			2.7	J	78.3	
Di-n-butyl phthalate	50	<0.56		<0.56		<0.56		<0.56		<0.57		<0.56		<0.56		<2.0		<2.0		<0.56			<2.0		ND (0.50)	
Di-n-octyl phthalate	50	<0.31		<0.31		<0.31		<0.31		<0.32		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.23)	
Diethyl phthalate	50	<0.33		<0.33		1.4	J	<0.33		<0.34		<0.33		<0.33		<2.0		<2.0		<0.33			<2.0		ND (0.26)	
Dimethyl phthalate	50	<0.28		<0.28		<0.28		<0.28		<0.29		<0.28		<0.28		<2.0		<2.0		<0.28			<2.0		ND (0.22)	
bis(2-Ethylhexyl)phthalate	5	<0.59		4.2		4.6		1.7	J	<0.60		1.5	J	<0.59		1.3	J	<2.0		1.3	J		<2.0		ND (1.7)	
Fluoranthene	50	4.5		18.0		3.7		5.2		1.2		1.2		1.9		2.7		1.8		1.7			0.66	J	2	
Fluorene	50	3.5		4.4		3.9		3.1		4.6		3.1		3.8		4.7		2.4		2.9			1.4		34.5	
Hexachlorobenzene	0.04	<0.34		<0.34		<0.34		<0.34		<0.35		<0.34		<0.34		<1.0		<1.0		<0.34			<1.0		ND (0.33)	
Hexachlorobutadiene	0.5	<0.51		<0.51		<0.51		<0.51		<0.53		<0.51		<0.51		<1.0		<1.0		<0.51			<1.0		ND (0.49)	
Hexachlorocyclopentadiene	5	<7.1		<7.1		<7.1		<7.1		<7.3		<7.1		<7.1		<10		<10		<7.1			<10		ND (2.8)	
Hexachloroethane	5	<0.55		<0.55		<0.55		<0.55		<0.57		<0.55		<0.55		<2.0		<2.0		<0.55			<2.0		ND (0.39)	
Indeno(1,2,3-cd)pyrene	0.002	<0.37		0.99	J	<0.37		<0.37		<0.39		<0.37		<0.37		<1.0		<1.0		<0.37			<1.0		ND (0.33)	
Isophorone	5	<0.27		<0.27		<0.27		<0.27		<0.28		<0.27		<0.27		<2.0		<2.0		<0.27			<2.0		ND (0.28)	
2-Methylnaphthalene	NS	22.6		17.5		20.8		14.0		16.8		9.7		6.1		12.4		5.3		12.4			1.9		288	
2-Nitroaniline	5	<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<5.0		<5.0		<1.1			<5.0		ND (0.28)	a
3-Nitroaniline	5	<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<5.0		<5.0		<1.3			<5.0		ND (0.39)	
4-Nitroaniline	5	<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		<5.0		<5.0		<1.7			<5.0		ND (0.44)	
Naphthalene	10	304		160		123		174		218		172		183		887		116		215			120		5250	
Nitrobenzene	0.4	<0.42		<0.42		<0.42		<0.42		<0.43		<0.42		<0.42		<2.0		<2.0		<0.42			<2.0		ND (0.64)	
N-Nitroso-di-n-propylamine	NS	<0.30		<0.30		<0.30		<0.30		<0.31		<0.30		<0.30		<2.0		<2.0		<0.30			<2.0		ND (0.48)	
N-Nitrosodiphenylamine	50	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<5.0		<5.0		<0.31			<5.0		ND (0.22)	
Phenanthrene	50	19.0		43.1		13.7		16.2		9.8		12.1		11.6		14.7		5.8		10.2			4.2		28.1	
Pyrene	50	4.2		13.9		3.8		4.6		0.98	J	0.88	J	1.5		2.3		1.1		1.9			0.59	J	1.6	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31			<2.0		ND (0.37)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-22D													
		JA86022-3 9/13/2011 Post Treatment		JA99488-6 2/15/2012		JB6090-2 5/9/2012		JB14495-14 8/27/2012		JB24251-11 12/18/2012		JB31021-14 3/11/2013		JB39020-10 6/6/2013	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)															
2-Chlorophenol	NS	<0.97		<0.97		<0.97		<0.97		<0.97		<0.97		<0.97	
4-Chloro-3-methyl phenol	NS	<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8	
2,4-Dichlorophenol	5	<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2	
2,4-Dimethylphenol	1	1940		1430		1300		1240		548		757		362	
2,4-Dinitrophenol	10	<17		<17		<17		<17		<17		<17		<17	
4,6-Dinitro-o-cresol	NS	<0.99		<0.99		<0.99		<0.99		<0.99		<0.99		<0.99	
2-Methylphenol	NS	93.5		59.3		39.5		19.9		20.5		19.2		13.6	
3&4-Methylphenol	NS	42.7		31.4		21.3		14.4		<0.93		<0.93		<0.93	
2-Nitrophenol	1	<1.5		<1.5		<1.5		<1.5		<1.5		<1.5		<1.5	
4-Nitrophenol	1	<5.2		<5.2		<5.2		<5.2		<5.2		<5.2		<5.2	
Pentachlorophenol	NS	<1.4		<1.4		<1.4		<1.4		<1.4		<1.4		<1.4	
Phenol	1	29.4		<1.3		14.9		11.3		<1.3		<1.3		10.2	
2,3,4,6-Tetrachlorophenol	NS	<0.94		<0.94		<0.94		<0.94		<0.94		<0.94		<0.94	
2,4,5-Trichlorophenol	1	<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6	
2,4,6-Trichlorophenol	1	<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3	
Acenaphthene	20	235		213		185		190		190		227		233	
Acenaphthylene	NS	<0.23		4.2		4.7		3.3		4.2		3.6		4.3	
Acetophenone	NS	<0.29		<0.29		<0.29		8.2		<0.29		<0.29		<0.29	
Anthracene	50	17.0		12.7		10.6		6.9		7.6		7.5		7.0	
Atrazine	7.5	<0.49		<0.49		<0.49		<0.49		<0.49		<0.49		<0.49	
Benzaldehyde	NS	<3.3		<3.3		<3.3		<3.3		<3.3		<3.3		<3.3	
Benzo(a)anthracene	0.002	<0.23		<0.23		<0.23		<0.23		<0.23		<0.23		<0.23	
Benzo(a)pyrene	ND	<0.23		<0.23		<0.23		<0.23		<0.23		<0.23		<0.23	
Benzo(b)fluoranthene	0.002	<0.46		<0.46		<0.46		<0.46		<0.46		<0.46		<0.46	
Benzo(g,h,i)perylene	5	<0.32		<0.32		<0.32		<0.32		<0.32		<0.32		<0.32	
Benzo(k)fluoranthene	0.002	<0.51		<0.51		<0.51		<0.51		<0.51		<0.51		<0.51	
4-Bromophenyl phenyl ether	NS	<0.36		<0.36		<0.36		<0.36		<0.36		<0.36		<0.36	
Butyl benzyl phthalate	50	<0.29		<0.29		<0.29		<0.29		<0.29		<0.29		<0.29	
1,1'-Biphenyl	5	83.1		62.8		65.4		42.5		63.4		67.4		60.4	
2-Chloronaphthalene	10	<0.30		<0.30		<0.30		<0.30		<0.30		<0.30		<0.30	
4-Chloroaniline	5	<0.53		<0.53		<0.53		<0.53		<0.53		<0.53		<0.53	
Carbazole	NS	40.4		33.6		31.0		19.8		23.5		24.0		20.8	
Caprolactam	NS	<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69	
Chrysene	0.002	<0.29		<0.29		<0.29		<0.29		<0.29		<0.29		<0.29	
bis(2-Chloroethoxy)methane	5	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
bis(2-Chloroethyl)ether	1	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.45		<0.45		<0.45		<0.45		<0.45		<0.45	
4-Chlorophenyl phenyl ether	NS	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
2,4-Dinitrotoluene	5	<0.43		<0.43		<0.43		<0.43		<0.43		<0.43		<0.43	
2,6-Dinitrotoluene	5	<0.46		<0.46		<0.46		<0.46		<0.46		<0.46		<0.46	
3,3'-Dichlorobenzidine	5	<0.36		<0.36		<0.36		<0.36		<0.36		<0.36		<0.36	
Dibenzo(a,h)anthracene	50	<0.38		<0.38		<0.38		<0.38		<0.38		<0.38		<0.38	
Dibenzofuran	NS	151		144		95.7		59.9		126		134		99.8	
Di-n-butyl phthalate	50	<0.56		<0.56		<0.56		<0.56		<0.56		<0.56		<0.56	
Di-n-octyl phthalate	50	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
Diethyl phthalate	50	<0.33		<0.33		<0.33		<0.33		<0.33		<0.33		<0.33	
Dimethyl phthalate	50	<0.28		<0.28		<0.28		<0.28		<0.28		<0.28		<0.28	
bis(2-Ethylhexyl)phthalate	5	7.4		<0.59		<0.59		<0.59		<0.59		<0.59		<0.59	
Fluoranthene	50	6.9		6.7		5.9		4.4		6.5		6.8		7.8	
Fluorene	50	79.0		56.7		56.8		35.6		53.4		50.1		57.6	
Hexachlorobenzene	0.04	<0.34		<0.34		<0.34		<0.34		<0.34		<0.34		<0.34	
Hexachlorobutadiene	0.5	<0.51		<0.51		<0.51		<0.51		<0.51		<0.51		<0.51	
Hexachlorocyclopentadiene	5	<7.1		<7.1		<7.1		<7.1		<7.1		<7.1		<7.1	
Hexachloroethane	5	<0.55		<0.55		<0.55		<0.55		<0.55		<0.55		<0.55	
Indeno(1,2,3-cd)pyrene	0.002	<0.37		<0.37		<0.37		<0.37		<0.37		<0.37		<0.37	
Isophorone	5	<0.27		<0.27		<0.27		<0.27		<0.27		<0.27		<0.27	
2-Methylnaphthalene	NS	530		603		455		298		70.6		40.2		50.6	
2-Nitroaniline	5	<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1	
3-Nitroaniline	5	<1.3		<1.3		<1.3		<1.3		<1.3		<1.3		<1.3	
4-Nitroaniline	5	<1.7		<1.7		<1.7		<1.7		<1.7		<1.7		<1.7	
Naphthalene	10	10900		14400		9250		8700		6250		4630		3750	
Nitrobenzene	0.4	<0.42		<0.42		<0.42		<0.42		<0.42		<0.42		<0.42	
N-Nitroso-di-n-propylamine	NS	<0.30		<0.30		<0.30		<0.30		<0.30		<0.30		<0.30	
N-Nitrosodiphenylamine	50	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	
Phenanthrene	50	96.4		96.6		71.8		48.9		70.8		79.4		77.1	
Pyrene	50	3.8		3.2		3.5		2.2		3.0		3.3		3.4	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.31		<0.31		<0.31		<0.31		<0.31		<0.31	

Lab Sample ID / Date Sampled	MW-22D										NOT SAMPLED
	JB46946-10 9/10/2013		JB56101-4 12/19/2013		JB62825-10 3/24/2014		JB70373-2 6/26/2014		JB77273-3 9/22/2014		
	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)											
2-Chlorophenol	<5.0		<5.0		<0.97		<2.5		<5.0		
4-Chloro-3-methyl phenol	<5.0		<5.0		<1.8		<2.6		<5.0		
2,4-Dichlorophenol	<5.0		<2.0		<1.2		<3.2		<2.0		
2,4-Dimethylphenol	105		<5.0		116		89.1		48.9		
2,4-Dinitrophenol	<17		<20		<17		<13		<20		
4,6-Dinitro-o-cresol	<0.99		<20		<0.99		<2.7		<20		
2-Methylphenol	<2.0		3.1		13.0		15		<2.0		
3&4-Methylphenol	<0.93		7		<0.93		<2.1		<2.0		
2-Nitrophenol	<5.0		<5.0		<1.5		<3.7		<5.0		
4-Nitrophenol	<5.2		<10		<5.2		<1.8		<10		
Pentachlorophenol	<1.4		<10		<1.4		<2.7		<10		
Phenol	10.2		<2.0		6.9		<1.1		<2.0		
2,3,4,6-Tetrachlorophenol	<0.94		<5.0		<0.94		<2.8		<5.0		
2,4,5-Trichlorophenol	<1.6		<5.0		<1.6		<3.4		<5.0		
2,4,6-Trichlorophenol	<1.3		<5.0		<1.3		<3.1		<5.0		
Acenaphthene	227		144		254		213		187		
Acenaphthylene	5		2		4.4		4.2		<1.0		
Acetophenone	<2.0		<2.0		<0.29		<0.73		<2.0		
Anthracene	8.7		11		7.8		15.1		7.5		
Atrazine	<5.0		<2.0		<0.49		<0.85		<2.0		
Benzaldehyde	<5.0		<5.0		<3.3		<1.3		<5.0		
Benzo(a)anthracene	<1.0		3.9		<0.23		<0.43		<1.0		
Benzo(a)pyrene	<1.0		3.3		<0.23		<0.48		<1.0		
Benzo(b)fluoranthene	<1.0		3.7		<0.46		<0.45		<1.0		
Benzo(g,h,i)perylene	<1.0		1.6		<0.32		<0.62		<1.0		
Benzo(k)fluoranthene	<1.0		1		<0.51		<0.44		<1.0		
4-Bromophenyl phenyl ether	<2.0		<2.0		<0.36		<0.50		<2.0		
Butyl benzyl phthalate	<2.0		<2.0		<0.29		<0.44		<2.0		
1,1'-Biphenyl	72.9		29.1		80.4		76.6		66.1		
2-Chloronaphthalene	<2.0		<2.0		<0.30		<0.69		<2.0		
4-Chloroaniline	<5.0		<5.0		<0.53		<0.60		<5.0		
Carbazole	28.6		13.6		29.2		28.8		29.6		
Caprolactam	<2.0		<2.0		<0.69		<0.81		<2.0		
Chrysene	<1.0		3.3		<0.29		<0.33		<1.0		
bis(2-Chloroethoxy)methane	<2.0		<2.0		<0.31		<0.84		<2.0		
bis(2-Chloroethyl)ether	<2.0		<2.0		<0.31		<0.87		<2.0		
bis(2-Chloroisopropyl)ether	<2.0		<2.0		<0.45		<0.81		<2.0		
4-Chlorophenyl phenyl ether	<2.0		<2.0		<0.31		<0.76		<2.0		
2,4-Dinitrotoluene	<2.0		<1.0		<0.43		<0.64		<1.0		
2,6-Dinitrotoluene	<2.0		<1.0		<0.46		<0.51		<1.0		
3,3'-Dichlorobenzidine	<5.0		<2.0		<0.36		<1.1		<2.0		
Dibenzo(a,h)anthracene	<1.0		0.44	J	<0.38		<0.56		<1.0		
Dibenzofuran	141		84.9		138		119		97.3		
Di-n-butyl phthalate	<2.0		<2.0		<0.56		<1.2		<2.0		
Di-n-octyl phthalate	<2.0		<2.0		<0.31		<0.50		<2.0		
Diethyl phthalate	<2.0		<2.0		<0.33		<0.47		<2.0		
Dimethyl phthalate	<2.0		<2.0		<0.28		<0.52		<2.0		
bis(2-Ethylhexyl)phthalate	<2.0		<2.0		4.9	B	<1.1		1.9	JB	
Fluoranthene	10.1		18.9		7.9		9.5		7.2		
Fluorene	62.1		48.8		57.3		52.5		45.7		
Hexachlorobenzene	<1.0		<1.0		<0.34		<0.92		<1.0		
Hexachlorobutadiene	<1.0		<1.0		<0.51		<0.78		<1.0		
Hexachlorocyclopentadiene	<10		<10		<7.1		<0.96		<10		
Hexachloroethane	<2.0		<2.0		<0.55		<0.57		<2.0		
Indeno(1,2,3-cd)pyrene	<1.0		1.6		<0.37		<0.81		<1.0		
Isophorone	<2.0		<2.0		<0.27		<0.68		<2.0		
2-Methylnaphthalene	12.1		14		7.1		6.6		<1.0		
2-Nitroaniline	<5.0		<5.0		<1.1		<0.63		<5.0		
3-Nitroaniline	<5.0		<5.0		<1.3		<0.52		<5.0		
4-Nitroaniline	<5.0		<5.0		<1.7		<0.60		<5.0		
Naphthalene	1660		1160		1020		882		305		
Nitrobenzene	<2.0		<2.0		<0.42		<1.0		<2.0		
N-Nitroso-di-n-propylamine	<2.0		<2.0		<0.30		<0.75		<2.0		
N-Nitrosodiphenylamine	<5.0		<5.0		<0.31		<0.41		<5.0		
Phenanthrene	94.6		89.7		106		91.8		73.8		
Pyrene	4.8		12.4		4.3		5.3		3.5		
1,2,4,5-Tetrachlorobenzene	<2.0		<2.0		<0.31		<0.89		<2.0		

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID / Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-23S (Treatment Zone Well)												
		JA86145-3 9/14/2011 Post Treatment		JA99361-10 2/14/2012		JB6090-8 5/9/2012		JB14495-15 8/27/2012		JB24251-12 12/18/2012		JB31021-15 3/11/2013		JB39020-11 6/6/2013		JB47100-6 9/11/2013		JB56101-4 12/19/2013		JB62930-6 3/25/2014		NOT SAMPLED	NOT SAMPLED	NOT SAMPLED
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q			
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																								
2-Chlorophenol	NS	<0.97		<0.98		<0.97		<1.0		<0.97		<0.97		<0.97		<5.0		<5.0		<0.97				
4-Chloro-3-methyl phenol	NS	<1.8		<1.8		<1.8		<2.0		<1.8		<1.8		<1.8		<5.0		<5.0		<1.8				
2,4-Dichlorophenol	5	<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<5.0		<2.0		<1.2				
2,4-Dimethylphenol	1	<1.5		3.7	J	6.4		3.5	J	<1.5		5.0		4.1	J	3.5	J	<5.0		<1.5				
2,4-Dinitrophenol	10	<17		<17		<17		<18		<17		<17		<17		<20		<20		<17				
4,6-Dinitro-o-cresol	NS	<0.99		<1.0		<0.99		<1.1		<0.99		<0.99		<0.99		<20		<20		<0.99				
2-Methylphenol	NS	<1.0		1.8	J	2.0		<1.1		<1.0		<1.0		<1.0		3.5		3.1		<1.0				
3&4-Methylphenol	NS	2.9		2.9		3.5		<0.99		<0.93		1.5	J	<0.93		9.8		7		<0.93				
2-Nitrophenol	1	<1.5		<1.5		<1.5		<1.6		<1.5		<1.5		<1.5		<5.0		<5.0		<1.5				
4-Nitrophenol	1	<5.2		<5.3		<5.2		<5.6		<5.2		<5.2		<5.2		<10		<10		<5.2				
Pentachlorophenol	NS	<1.4		<1.4		<1.4		<1.5		<1.4		<1.4		<1.4		<10		<10		<1.4				
Phenol	1	<1.3		<1.3		<1.3		<1.4		<1.3		<1.3		<1.3		<2.0		<2.0		<1.3				
2,3,4,6-Tetrachlorophenol	NS	<0.94		<0.95		<0.94		<1.0		<0.94		<0.94		<0.94		<5.0		<5.0		<0.94				
2,4,5-Trichlorophenol	1	<1.6		<1.6		<1.6		<1.7		<1.6		<1.6		<1.6		<5.0		<5.0		<1.6				
2,4,6-Trichlorophenol	1	<1.3		<1.3		<1.3		<1.4		<1.3		<1.3		<1.3		<5.0		<5.0		<1.3				
Acenaphthene	20	82.0		79.6		86.9		49.2		55.2		59.9		54.7		130		144		28.7				
Acenaphthylene	NS	<0.23		1.2		2.4		0.46	J	0.87	J	0.62	J	0.83	J	<1.0		2		0.51	J			
Acetophenone	NS	<0.29		<0.29		<0.29		<0.31		<0.29		<0.29		<0.29		<2.0		<2.0		<0.29				
Anthracene	50	3.1		9.7		8.9		3.0		4.4		9.1		4.5		14.2		11		1.5				
Atrazine	7.5	<0.49		<0.49		<0.49		<0.52		<0.49		<0.49		<0.49		<5.0		<2.0		<0.49				
Benzaldehyde	NS	<3.3		<3.3		<3.3		<3.5		<3.3		<3.3		<3.3		<5.0		<5.0		<3.3				
Benzo(a)anthracene	0.002	1.0		7.0		6.1		0.98	J	1.6		3.2		2.1		4.1		3.9		<0.23				
Benzo(a)pyrene	ND	0.58	J	4.9		4.6		0.80	J	1.2		2.3		1.6		3.3		3.3		<0.23				
Benzo(b)fluoranthene	0.002	0.74	J	6.2		4.8		0.81	J	1.2		2.6		1.9		3.5		3.7		<0.46				
Benzo(g,h,i)perylene	5	0.59	J	3.7		3.2		<0.35		0.67	J	1.3		0.94	J	1.4		1.6		<0.32				
Benzo(k)fluoranthene	0.002	0.51	J	3.5		3.4		0.60	J	0.68	J	1.2		0.64	J	1.3		1		<0.51				
4-Bromophenyl phenyl ether	NS	<0.36		<0.36		<0.36		<0.38		<0.36		<0.36		<0.36		<2.0		<2.0		<0.36				
Butyl benzyl phthalate	50	<0.29		<0.29		<0.29		<0.31		<0.29		<0.29		<0.29		<2.0		<2.0		<0.29				
1,1'-Biphenyl	5	34.8		31.3		33.6		18.6		20.1		18.2		13.3		38.5		29.1		2.2				
2-Chloronaphthalene	10	<0.30		<0.30		<0.30		<0.32		<0.30		<0.30		<0.30		<2.0		<2.0		<0.30				
4-Chloroaniline	5	<0.53		<0.53		<0.53		<0.57		<0.53		<0.53		<0.53		<5.0		<5.0		<0.53				
Carbazole	NS	11.8		11.4		14.4		11.6		9.1		9.3		6.7		24		13.6		4.1				
Caprolactam	NS	<0.69		<0.70		<0.69		<0.74		<0.69		<0.69		<0.69		<2.0		<2.0		<0.69				
Chrysene	0.002	1.0		7.5		6.4		1.1		1.4		3.1		1.9		3.7		3.3		<0.29				
bis(2-Chloroethoxy)methane	5	<0.31		<0.31		<0.31		<0.33		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31				
bis(2-Chloroethyl)ether	1	<0.31		<0.31		<0.31		<0.33		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31				
bis(2-Chloroisopropyl)ether	NS	<0.45		<0.46		<0.45		<0.49		<0.45		<0.45		<0.45		<2.0		<2.0		<0.45				
4-Chlorophenyl phenyl ether	NS	<0.31		<0.32		<0.31		<0.34		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31				
2,4-Dinitrotoluene	5	<0.43		<0.43		<0.43		<0.46		<0.43		<0.43		<0.43		<2.0		<1.0		<0.43				
2,6-Dinitrotoluene	5	<0.46		<0.47		<0.46		<0.50		<0.46		<0.46		<0.46		<2.0		<1.0		<0.46				
3,3'-Dichlorobenzidine	5	<0.36		<0.36		<0.36		<0.39		<0.36		<0.36		<0.36		<5.0		<2.0		<0.36				
Dibenzo(a,h)anthracene	50	<0.38		1.3		0.93	J	<0.41		<0.38		0.41	J	<0.38		<1.0		0.44	J	<0.38				
Dibenzofuran	NS	72.3		68.3		69.0		37.6		48.1		53.0		37.2		102		84.9		17.7				
Di-n-butyl phthalate	50	<0.56		<0.56		<0.56		<0.60		<0.56		<0.56		<0.56		<2.0		<2.0		<0.56				
Di-n-octyl phthalate	50	<0.31		<0.31		<0.31		<0.33		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31				
Diethyl phthalate	50	<0.33		<0.33		<0.33		<0.35		<0.33		<0.33		<0.33		<2.0		<2.0		<0.33				
Dimethyl phthalate	50	<0.28		<0.29		<0.28		<0.30		<0.28		<0.28		<0.28		<2.0		<2.0		<0.28				
bis(2-Ethylhexyl)phthalate	5	<0.59		1.5	J	4.9		1.1	J	<0.59		<0.59		0.80	J	<2.0		<2.0		2.2				
Fluoranthene	50	5.1		25.1		20.9		3.7		6.8		14.5		8.5		23.4		18.9		0.93	J			
Fluorene	50	33.2		35.7		38.7		21.0		25.1		36.3		31.3		87		48.8		17.1				
Hexachlorobenzene	0.04	<0.34		<0.34		<0.34		<0.36		<0.34		<0.34		<0.34		<1.0		<1.0		<0.34				
Hexachlorobutadiene	0.5	<0.51		<0.52		<0.51		<0.55		<0.51		<0.51		<0.51		<1.0		<1.0		<0.51				
Hexachlorocyclopentadiene	5	<7.1		<7.2		<7.1		<7.6		<7.1		<7.1		<7.1		<10		<10		<7.1				
Hexachloroethane	5	<0.55		<0.56		<0.55		<0.59		<0.55		<0.55		<0.55		<2.0		<2.0		<0.55				
Indeno(1,2,3-cd)pyrene	0.002	0.40	J	3.1		2.2		<0.40		0.55	J	1.1		0.86	J	1.4		1.6		<0.37				
Isophorone	5	<0.27		<0.28		<0.27		<0.29		<0.27		<0.27		<0.27		<2.0		<2.0		<0.27				
2-Methylnaphthalene	NS	62.0		33.6		52.8		8.4		2.4		7.4		6.0		4.4		14		<0.38				
2-Nitroaniline	5	<1.1		<1.1		<1.1		<1.2		<1.1		<1.1		<1.1		<5.0		<5.0		<1.1				
3-Nitroaniline	5	<1.3		<1.3		<1.3		<1.4		<1.3		<1.3		<1.3		<5.0		<5.0		<1.3				
4-Nitroaniline	5	<1.7		<1.7		<1.7		<1.8		<1.7		<1.7		<1.7		<5.0		<5.0		<1.7				
Naphthalene	10	613		713		1470		389		432		414		332		1150		1160		6.9				
Nitrobenzene	0.4	<0.42		<0.42		<0.42		<0.45		<0.42		<0.42		<0.42		<2.0		<2.0		<0.42				
N-Nitroso-di-n-propylamine	NS	<0.30		<0.31		<0.30		<0.32		<0.30		<0.30		<0.30		<2.0		<2.0		<0.30				
N-Nitrosodiphenylamine	50	<0.31		<0.31		<0.31		<0.33		<0.31		<0.31		<0.31		<5.0		<5.0		<0.31				
Phenanthrene	50	40.3		66.7		59.9		24.6		20.6		62.8		33.5		106		89.7		8.0				
Pyrene	50	2.9		18.4		17.2		2.8		4.1		10.7		5.6		16.1		12.4		0.78	J			
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.31		<0.31		<0.33		<0.31		<0.31		<0.31		<2.0		<2.0		<0.31				

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-24D												
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JB24380-2 12/19/2012	JB31339-3 3/13/2013	JB39020-13 6/6/2013	JB46946-11 9/10/2013	JB56101-6 12/19/2013	JB62825-12 3/24/2014	NOT SAMPLED	NOT SAMPLED	JD54013-12 10/20/2022	JB24380-1 12/19/2012	JB31339-2 3/13/2013	JB39020-12 6/6/2013	JD55285-1 11/8/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.99	<0.97	<0.97	<5.4	<5.2	<0.99			ND (0.82)	<1.0	<1.0	<0.97	<5.5
4-Chloro-3-methyl phenol	NS	<1.9	<1.8	<1.8	<5.4	<5.2	<1.9			ND (0.89)	<1.9	<1.9	<1.8	<5.5
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<5.4	<2.1	<1.2			ND (1.3)	<1.2	<1.2	<1.2	<5.5
2,4-Dimethylphenol	1	**3.6** J	<1.5	**3.0** J	<5.4	<5.2	<1.6			ND (2.4)	<1.6	<1.6	<1.5	<5.5
2,4-Dinitrophenol	10	<17	<17	<17	<22	<21	<17			ND (1.6) a	<17	<17	<17	<22
4,6-Dinitro-o-cresol	NS	<1.0	<0.99	<0.99	<22	<21	<1.0			ND (1.3) a	<1.0	<1.0	<0.99	<22
2-Methylphenol	NS	<1.1	<1.0	<1.0	<2.2	<2.1	<1.1			ND (0.89)	<1.1	<1.1	<1.0	<2.2
3&4-Methylphenol	NS	<0.94	<0.93	<0.93	<2.2	<2.1	<0.94			ND (0.88)	<0.96	<0.97	<0.93	<2.2
2-Nitrophenol	1	<1.5	<1.5	<1.5	<5.4	<5.2	<1.5			ND (0.96) a	<1.6	<1.6	<1.5	<5.5
4-Nitrophenol	1	<5.3	<5.2	<5.2	<11	<10	<5.3			ND (1.2)	<5.4	<5.5	<5.2	<11
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<11	<10	<1.4			ND (1.4)	<1.4	<1.5	<1.4	<11
Phenol	1	<1.3	<1.3	<1.3	<2.2	<2.1	<1.3			ND (0.39) a	<1.3	<1.3	<1.3	<2.2
2,3,4,6-Tetrachlorophenol	NS	<0.96	<0.94	<0.94	<5.4	<5.2	<0.96			ND (1.5)	<0.98	<0.99	<0.94	<5.5
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<5.4	<5.2	<1.6			ND (1.3)	<1.6	<1.6	<1.6	<5.5
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<5.4	<5.2	<1.3			ND (0.92)	<1.3	<1.4	<1.3	<5.5
Acenaphthene	20	17.6	**24.9**	**25.4**	16.4	19.8	14.1			5.9	**25.4**	**28.3**	19.5	**28.1**
Acenaphthylene	NS	1.4	1.8	1.8	1.8	1.6	1.4			0.2 J	3.2	3.7	2.4	3.9
Acetophenone	NS	<0.29	<0.29	<0.29	<2.2	<2.1	<0.29			ND (0.21)	<0.30	<0.30	<0.29	<2.2
Anthracene	50	4.4	5.6	6.4	3.9	4.2	3.7			0.29 J	5.7	6.8	7.6	7.7
Atrazine	7.5	<0.50	<0.49	<0.49	<5.4	<2.1	<0.50			ND (0.45)	<0.51	<0.51	<0.49	<5.5
Benzaldehyde	NS	<3.3	<3.3	<3.3	<5.4	<5.2	<3.3			ND (0.29)	<3.4	<3.4	<3.3	<5.5
Benzo(a)anthracene	0.002	**0.54** J	<0.23	**0.72** J	<1.1	<1.0	**0.56** J			ND (0.20)	**1.5**	**1.6**	**2.2**	**1.2**
Benzo(a)pyrene	ND	<0.23	<0.23	<0.23	<1.1	<1.0	<0.23			ND (0.21)	**1.1**	**1.2**	**1.7**	**0.89** J
Benzo(b)fluoranthene	0.002	<0.47	<0.46	<0.46	<1.1	<1.0	**0.61** J			ND (0.21)	**1.0**	**1.0** J	**1.6**	**0.95** J
Benzo(g,h,i)perylene	5	<0.33	<0.32	<0.32	<1.1	<1.0	<0.33			ND (0.34)	0.84 J	0.73 J	0.90 J	0.49 J
Benzo(k)fluoranthene	0.002	<0.52	<0.51	<0.51	<1.1	<1.0	<0.52			ND (0.21)	**0.93** J	**0.82** J	**0.69** J	<1.1
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<2.2	<2.1	<0.36			ND (0.40)	<0.37	<0.38	<0.36	<2.2
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<2.2	<2.1	<0.29			ND (0.46)	<0.30	<0.30	<0.29	<2.2
1,1'-Biphenyl	5	**5.9**	**9.1**	**8.0**	4.2	**5.7**	3.0			ND (0.21)	**9.0**	**10.1**	**5.3**	**8.1**
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<2.2	<2.1	<0.30			ND (0.24)	<0.31	<0.31	<0.30	<2.2
4-Chloroaniline	5	<0.54	<0.53	<0.53	<5.4	<5.2	<0.54			ND (0.34) d	<0.55	<0.56	<0.53	<5.5
Carbazole	NS	9.0	11.4	8.6	5.4	7.3	4.9			0.4 J	10.8	11.8	6.6	11
Caprolactam	NS	<0.70	<0.69	<0.69	<2.2	<2.1	<0.70			ND (0.65) a	<0.72	<0.73	<0.69	<2.2
Chrysene	0.002	**0.49** J	<0.29	**0.49** J	<1.1	<1.0	**0.50** J			ND (0.18)	**1.3**	**1.3**	**1.9**	**1.1**
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<2.2	<2.1	<0.31			ND (0.28)	<0.32	<0.32	<0.31	<2.2
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<2.2	<2.1	<0.31			ND (0.25) a	<0.32	<0.32	<0.31	<2.2
bis(2-Chloroisopropyl)ether	NS	<0.46	<0.45	<0.45	<2.2	<2.1	<0.46			ND (0.40)	<0.47	<0.48	<0.45	<2.2
4-Chlorophenyl phenyl ether	NS	<0.32	<0.31	<0.31	<2.2	<2.1	<0.32			ND (0.37)	<0.33	<0.33	<0.31	<2.2
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<2.2	<1.0	<0.43			ND (0.55)	<0.44	<0.45	<0.43	<2.2
2,6-Dinitrotoluene	5	<0.47	<0.46	<0.46	<2.2	<1.0	<0.47			ND (0.48)	<0.48	<0.49	<0.46	<2.2
3,3'-Dichlorobenzidine	5	<0.37	<0.36	<0.36	<5.4	<2.1	<0.37			ND (0.51)	<0.38	<0.38	<0.36	<5.5
Dibenzo(a,h)anthracene	50	<0.39	<0.38	<0.38	<1.1	<1.0	<0.39			ND (0.33)	<0.39	<0.40	<0.38	<1.1
Dibenzofuran	NS	14.2	20.0	17.9	13.3	15.4	10.6			3.7 J	20.6	21.8	14.0	23.7
Di-n-butyl phthalate	50	<0.57	<0.56	<0.56	<2.2	<2.1	<0.57			ND (0.50)	<0.58	<0.58	<0.56	<2.2
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<2.2	<2.1	<0.31			ND (0.23)	<0.32	<0.32	<0.31	<2.2
Diethyl phthalate	50	<0.33	<0.33	<0.33	<2.2	<2.1	<0.33			ND (0.26)	<0.34	<0.34	<0.33	<2.2
Dimethyl phthalate	50	<0.29	<0.28	<0.28	<2.2	<2.1	<0.29			ND (0.22)	<0.29	<0.30	<0.28	<2.2
bis(2-Ethylhexyl)phthalate	5	<0.60	<0.59	<0.59	<2.2	<2.1	**9.1** B			ND (1.7)	<0.61	<0.62	1.5 J	1.1 J
Fluoranthene	50	3.3	4.7	7.2	5.3	5.2	4.9			1.7	4.9	7.1	10.3	8.3
Fluorene	50	13.4	20.2	20.9	13.9	15.1	11.0			1.5	19.7	23.3	17.7	24.5
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<1.1	<1.0	<0.34			ND (0.33)	<0.35	<0.36	<0.34	<1.1
Hexachlorobutadiene	0.5	<0.52	<0.51	<0.51	<1.1	<1.0	<0.52			ND (0.49)	<0.53	<0.54	<0.51	<1.1
Hexachlorocyclopentadiene	5	<7.3	<7.1	<7.1	<11	<10	<7.3			ND (2.8)	<7.4	<7.5	<7.1	<11
Hexachloroethane	5	<0.56	<0.55	<0.55	<2.2	<2.1	<0.56			ND (0.39)	<0.57	<0.58	<0.55	<2.2
Indeno(1,2,3-cd)pyrene	0.002	<0.38	<0.37	<0.37	<1.1	<1.0	<0.38			ND (0.33)	**0.68** J	**0.74** J	**0.87** J	<1.1
Isophorone	5	<0.28	<0.27	<0.27	<2.2	<2.1	<0.28			ND (0.28)	<0.28	<0.29	<0.27	<2.2
2-Methylnaphthalene	NS	3.7	3.5	2.7	0.98 J	1.4	0.47 J			ND (0.21)	7.1	5.9	2.0	1.7
2-Nitroaniline	5	<1.1	<1.1	<1.1	<5.4	<5.2	<1.1			ND (0.28) a	<1.2	<1.2	<1.1	<5.5
3-Nitroaniline	5	<1.3	<1.3	<1.3	<5.4	<5.2	<1.3			ND (0.39)	<1.3	<1.3	<1.3	<5.5
4-Nitroaniline	5	<1.7	<1.7	<1.7	<5.4	<5.2	<1.7			ND (0.44)	<1.7	<1.7	<1.7	<5.5
Naphthalene	10	**434**	**478**	**349**	**273**	**460**	**250**			10.6	**668**	**608**	**390**	**322**
Nitrobenzene	0.4	<0.43	<0.42	<0.42	<2.2	<2.1	<0.43			ND (0.64)	<0.44	<0.44	<0.42	<2.2
N-Nitroso-di-n-propylamine	NS	<0.31	<0.30	<0.30	<2.2	<2.1	<0.31			ND (0.48)	<0.31	<0.32	<0.30	<2.2
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<5.4	<5.2	<0.31			ND (0.22)	<0.32	<0.32	<0.31	<5.5
Phenanthrene	50	23.6	30.2	31.5	26.6	27.3	24.0			2.7	27.0	32.0	32.3	39.3
Pyrene	50	2.8	3.3	5.2	3.7	3.5	4.3			1.8	4.3	5.0	6.9	5.4
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<2.2	<2.1	<0.31			ND (0.37)	<0.32	<0.32	<0.31	<2.2

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID Date Sampled	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-24S													
		NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	JB56101-5 12/19/2013		JB62825-11 3/24/2014		NOT SAMPLED	NOT SAMPLED	JD54013-15 10/21/2022	
										Result	Q	Result	Q			Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)																	
2-Chlorophenol	NS									<5.0		<0.98				ND (4.0)	
4-Chloro-3-methyl phenol	NS									<5.0		<1.8				ND (4.4)	
2,4-Dichlorophenol	5									<2.0		<1.2				ND (6.2)	
2,4-Dimethylphenol	1									<5.0		<1.5				ND (12)	
2,4-Dinitrophenol	10									<20		<17				ND (7.6)	
4,6-Dinitro-o-cresol	NS									<20		<1.0				ND (6.4)	
2-Methylphenol	NS									<2.0		<1.1				ND (4.4)	
3&4-Methylphenol	NS									<2.0		<0.93				ND (4.3)	
2-Nitrophenol	1									<5.0		<1.5				ND (4.7)	a
4-Nitrophenol	1									<10		<5.3				ND (5.6)	
Pentachlorophenol	NS									<10		<1.4				ND (6.8)	a
Phenol	1									<2.0		<1.3				ND (1.9)	
2,3,4,6-Tetrachlorophenol	NS									<5.0		<0.95				ND (7.2)	
2,4,5-Trichlorophenol	1									<5.0		<1.6				ND (6.5)	
2,4,6-Trichlorophenol	1									<5.0		<1.3				ND (4.5)	
Acenaphthene	20									30.9		14.6				9.4	
Acenaphthylene	NS									5.9		1.9				0.98	J
Acetophenone	NS									<2.0		<0.29				ND (1.0)	
Anthracene	50									13		4.2				1.2	J
Atrazine	7.5									<2.0		<0.49				ND (2.2)	
Benzaldehyde	NS									<5.0		<3.3				ND (1.4)	
Benzo(a)anthracene	0.002									5.3		1.8				2	J
Benzo(a)pyrene	ND									4.6		0.95	J			1.2	J
Benzo(b)fluoranthene	0.002									4.5		2.3				ND (1.0)	
Benzo(g,h,i)perylene	5									2.7		0.59	J			ND (1.7)	
Benzo(k)fluoranthene	0.002									1.6		<0.51				ND (1.0)	
4-Bromophenyl phenyl ether	NS									<2.0		<0.36				ND (2.0)	
Butyl benzyl phthalate	50									<2.0		<0.29				ND (2.2)	
1,1'-Biphenyl	5									8.8		2.2				ND (1.0)	
2-Chloronaphthalene	10									<2.0		<0.30				ND (1.2)	
4-Chloroaniline	5									<5.0		<0.53				ND (1.7)	
Carbazole	NS									10.4		3.7				ND (1.1)	
Caprolactam	NS									<2.0		<0.70				ND (3.2)	
Chrysene	0.002									4.4		0.93	J			1.1	J
bis(2-Chloroethoxy)methane	5									<2.0		<0.31				ND (1.4)	
bis(2-Chloroethyl)ether	1									<2.0		<0.31				ND (1.2)	
bis(2-Chloroisopropyl)ether	NS									<2.0		<0.46				ND (2.0)	
4-Chlorophenyl phenyl ether	NS									<2.0		<0.32				ND (1.8)	
2,4-Dinitrotoluene	5									<1.0		<0.43				ND (2.7)	
2,6-Dinitrotoluene	5									<1.0		<0.47				ND (2.3)	
3,3'-Dichlorobenzidine	5									<2.0		<0.36				ND (2.5)	
Dibenzo(a,h)anthracene	50									0.78	J	<0.38				ND (1.6)	
Dibenzofuran	NS									24.9		10.8				2.7	J
Di-n-butyl phthalate	50									<2.0		<0.56				ND (2.4)	
Di-n-octyl phthalate	50									<2.0		<0.31				ND (1.1)	
Diethyl phthalate	50									<2.0		<0.33				ND (1.3)	
Dimethyl phthalate	50									<2.0		<0.29				ND (1.1)	
bis(2-Ethylhexyl)phthalate	5									1.5	J	12.3	B			ND (8.1)	
Fluoranthene	50									19.6		4.5				6.8	
Fluorene	50									26		11.6				1.3	J
Hexachlorobenzene	0.04									<1.0		<0.34				ND (1.6)	
Hexachlorobutadiene	0.5									<1.0		<0.52				ND (2.4)	
Hexachlorocyclopentadiene	5									<10		<7.2				ND (14)	
Hexachloroethane	5									<2.0		<0.56				ND (1.9)	
Indeno(1,2,3-cd)pyrene	0.002									2.9		0.46	J			ND (1.6)	
Isophorone	5									<2.0		<0.28				ND (1.4)	
2-Methylnaphthalene	NS									10.2		0.50	J			ND (1.0)	
2-Nitroaniline	5									<5.0		<1.1				ND (1.4)	
3-Nitroaniline	5									<5.0		<1.3				ND (1.9)	
4-Nitroaniline	5									<5.0		<1.7				ND (2.2)	
Naphthalene	10									521		215				13.6	
Nitrobenzene	0.4									<2.0		<0.42				ND (3.1)	
N-Nitroso-di-n-propylamine	NS									<2.0		<0.31				ND (2.4)	
N-Nitrosodiphenylamine	50									<5.0		<0.31				ND (1.1)	
Phenanthrene	50									53.7		22.2				3.9	J
Pyrene	50									12.6		3.6				4.9	
1,2,4,5-Tetrachlorobenzene	NS									<2.0		<0.31				ND (1.8)	

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-25D												
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA86298-3 9/15/2011 Post Treatment Result Q	JA99600-2 2/16/2012 Result Q	JB5987-3 5/8/2012 Result Q	JB14495-22 8/28/2012 Result Q	JB24380-4 12/19/2012 Result Q	JB31339-5 3/13/2013 Result Q	JB39020-15 6/6/2013 Result Q	JB47100-7 9/11/2013 Result Q	JB55981-14 12/18/2013 Result Q	JB62825-14 3/24/2014 Result Q	NOT SAMPLED	NOT SAMPLED	JD54013-17 10/21/2022 Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.99	<0.97	<0.97	<0.97	<0.97	<0.97	<5.0	<5.0	<0.97			ND (0.86)
4-Chloro-3-methyl phenol	NS	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<5.0	<5.0	<1.8			ND (0.94)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<2.0	<1.2			ND (1.3)
2,4-Dimethylphenol	1	<1.5	<1.6	<1.5	<1.5	<1.5	<1.5	<1.5	<5.0	<5.0	<1.5			ND (2.6)
2,4-Dinitrophenol	10	<17	<17	<17	<17	<17	<17	<17	<20	<20	<17			ND (1.6)
4,6-Dinitro-o-cresol	NS	<0.99	<1.0	<0.99	<0.99	<0.99	<0.99	<0.99	<20	<20	<0.99			ND (1.4)
2-Methylphenol	NS	<1.0	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0			ND (0.93)
3&4-Methylphenol	NS	<0.93	<0.94	<0.93	<0.93	<0.93	<0.93	<0.93	<2.0	<2.0	<0.93			ND (0.93)
2-Nitrophenol	1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<5.0	<5.0	<1.5			ND (1.0)
4-Nitrophenol	1	<5.2	<5.3	<5.2	<5.2	<5.2	<5.2	<5.2	<10	<10	<5.2			ND (1.2) a
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<10	<10	<1.4			ND (1.5)[a] a
Phenol	1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<2.0	<2.0	<1.3			ND (0.41)
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.96	<0.94	<0.94	<0.94	<0.94	<0.94	<5.0	<5.0	<0.94			ND (1.5)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<5.0	<5.0	<1.6			ND (1.4)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<5.0	<1.3			ND (0.97)
Acenaphthene	20	7.9	12.7	8.8	12.9	12.8	14.0	11.2	9.7	6.4	9.1			0.49 J
Acenaphthylene	NS	0.42 J	<0.23	<0.23	<0.23	<0.23	<0.23	0.41 J	<1.0	<1.0	<0.23			ND (0.14)
Acetophenone	NS	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<2.0	<2.0	<0.29			ND (0.22)
Anthracene	50	1.2	2.9	1.8	2.1	2.0	2.6	2.0	2	1.5	1.8			ND (0.22)
Atrazine	7.5	<0.49	<0.50	<0.49	<0.49	<0.49	<0.49	<0.49	<5.0	<2.0	<0.49			ND (0.47) a
Benzaldehyde	NS	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<5.0	<5.0	<3.3			ND (0.30)
Benzo(a)anthracene	0.002	**0.51** J	**0.75** J	<0.23	<0.23	<0.23	<0.23	**0.51** J	<1.0	<1.0	<0.23			ND (0.21)
Benzo(a)pyrene	ND	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<1.0	<1.0	<0.23			ND (0.22)
Benzo(b)fluoranthene	0.002	<0.46	<0.47	<0.46	<0.46	<0.46	<0.46	<0.46	<1.0	<1.0	<0.46			ND (0.22)
Benzo(g,h,i)perylene	5	<0.32	<0.33	<0.32	<0.32	<0.32	<0.32	<0.32	<1.0	<1.0	<0.32			ND (0.36)
Benzo(k)fluoranthene	0.002	<0.51	<0.52	<0.51	<0.51	<0.51	<0.51	<0.51	<1.0	<1.0	<0.51			ND (0.22)
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<2.0	<2.0	<0.36			ND (0.43)
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<2.0	<2.0	<0.29			ND (0.48)
1,1'-Biphenyl	5	2.5	3.5	<0.30	3.0	2.8	2.8	1.6	1.1	<1.0	<0.30			ND (0.22)
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<2.0	<2.0	<0.30			ND (0.25)
4-Chloroaniline	5	<0.53	<0.54	<0.53	<0.53	<0.53	<0.53	<0.53	<5.0	<5.0	<0.53			ND (0.36)
Carbazole	NS	4.3	4.9	4.9	3.8	3.3	2.9	1.5	1.2	<1.0	0.47 J			ND (0.24)
Caprolactam	NS	<0.69	<0.70	<0.69	<0.69	<0.69	<0.69	<0.69	<2.0	<2.0	<0.69			ND (0.68)
Chrysene	0.002	<0.29	**0.63** J	<0.29	<0.29	<0.29	<0.29	<0.29	<1.0	<1.0	<0.29			ND (0.19)
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (0.29)
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (0.26)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.46	<0.45	<0.45	<0.45	<0.45	<0.45	<2.0	<2.0	<0.45			ND (0.42)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.32	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (0.39)
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<2.0	<1.0	<0.43			ND (0.58)
2,6-Dinitrotoluene	5	<0.46	<0.47	<0.46	<0.46	<0.46	<0.46	<0.46	<2.0	<1.0	<0.46			ND (0.50)
3,3'-Dichlorobenzidine	5	<0.36	<0.37	<0.36	<0.36	<0.36	<0.36	<0.36	<5.0	<2.0	<0.36			ND (0.53)
Dibenzo(a,h)anthracene	50	<0.38	<0.39	<0.38	<0.38	<0.38	<0.38	<0.38	<1.0	<1.0	<0.38			ND (0.35)
Dibenzofuran	NS	4.2 J	5.9	4.4 J	6.3	5.6	5.4	3.6 J	3.3 J	1.7 J	2.7 J			ND (0.23)
Di-n-butyl phthalate	50	<0.56	<0.57	<0.56	<0.56	<0.56	<0.56	<0.56	<2.0	<2.0	<0.56			28.2 B
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (0.25)
Diethyl phthalate	50	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<2.0	<2.0	<0.33			ND (0.28)
Dimethyl phthalate	50	<0.28	<0.29	<0.28	<0.28	<0.28	<0.28	<0.28	<2.0	<2.0	<0.28			ND (0.23)
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.60	<0.59	<0.59	<0.59	1.7 J	0.71 J	1.5 J	<2.0	<0.59			ND (1.7)
Fluoranthene	50	1.3	2.9	1.5	1.9	1.5	2.0	2.0	1.8	1.8	1.9			0.48 J
Fluorene	50	3.8	6.6	4.6	6.9	6.5	6.5	3.4	1.5	<1.0	0.47 J			ND (0.18)
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<1.0	<1.0	<0.34			ND (0.34)
Hexachlorobutadiene	0.5	<0.51	<0.52	<0.51	<0.51	<0.51	<0.51	<0.51	<1.0	<1.0	<0.51			ND (0.52)
Hexachlorocyclopentadiene	5	<7.1	<7.3	<7.1	<7.1	<7.1	<7.1	<7.1	<10	<10	<7.1			ND (2.9)
Hexachloroethane	5	<0.55	<0.56	<0.55	<0.55	<0.55	<0.55	<0.55	<2.0	<2.0	<0.55			ND (0.41)
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.38	<0.37	<0.37	<0.37	<0.37	<0.37	<1.0	<1.0	<0.37			ND (0.35)
Isophorone	5	<0.27	<0.28	<0.27	<0.27	<0.27	<0.27	<0.27	<2.0	<2.0	<0.27			ND (0.29)
2-Methylnaphthalene	NS	11.9	13.0	7.1	12.6	15.6	2.8	0.41 J	<1.0	<1.0	<0.38			ND (0.22)
2-Nitroaniline	5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<5.0	<5.0	<1.1			ND (0.29)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<5.0	<1.3			ND (0.41)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<5.0	<5.0	<1.7			ND (0.46)
Naphthalene	10	**173**	**168**	**98.4**	**146**	**82.4**	**84.6**	**65.5**	36.3	7.7	7.2			ND (0.24)
Nitrobenzene	0.4	<0.42	<0.43	<0.42	<0.42	<0.42	<0.42	<0.42	<2.0	<2.0	<0.42			ND (0.68)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.31	<0.30	<0.30	<0.30	<0.30	<0.30	<2.0	<2.0	<0.30			ND (0.51)
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<5.0	<5.0	<0.31			ND (0.23)
Phenanthrene	50	6.7	14.1	8.7	11.3	13.6	13.8	9.4	7.9	3.6	3.3			ND (0.18)
Pyrene	50	1.1	2.4	1.2	1.5	1.7	1.7	1.7	1.4	1.3	1.7			0.69 J
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<2.0	<2.0	<0.31			ND (0.39)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analy
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-25S												
Lab Sample ID	**NYSDEC TOGS 1.1.1**	**JA86298-2**	**JA99600-1**	**JB5987-2**	**JB14495-21**	**JB24380-3**	**JB31339-4**	**JB39020-14**	**JB47100-8**	**JB55981-13**	**JB62825-13**			**JD54013-16**
Date Sampled	**Class GA Ambient Water Quality Standards and Guidance Values**	**9/15/2011 Post Treatment**	**2/16/2012**	**5/8/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/6/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED**	**NOT SAMPLED**	**10/21/2022**
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			**Result Q**
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<1.0	<1.0	<0.97	<1.0	<0.97	<0.97	<5.3	<5.1	<0.97			ND (0.89)
4-Chloro-3-methyl phenol	NS	<1.8	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<5.3	<5.1	<1.8			ND (0.97)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.3	<2.0	<1.2			ND (1.4)
2,4-Dimethylphenol	1	**2.9** J	<1.6	<1.6	<1.5	<1.6	<1.5	<1.5	<5.3	<5.1	<1.5			ND (2.7)
2,4-Dinitrophenol	10	<17	<17	<17	<17	<17	<17	<17	<21	<20	<17			ND (1.7)
4,6-Dinitro-o-cresol	NS	<0.99	<1.0	<1.0	<0.99	<1.0	<0.99	<0.99	<21	<20	<0.99			ND (1.4)
2-Methylphenol	NS	<1.0	<1.1	<1.1	<1.0	<1.1	<1.0	<1.0	<2.1	<2.0	<1.0			ND (0.97)
3&4-Methylphenol	NS	<0.93	<0.96	<0.97	<0.93	<0.95	<0.93	<0.93	<2.1	<2.0	<0.93			ND (0.96)
2-Nitrophenol	1	<1.5	<1.6	<1.6	<1.5	<1.5	<1.5	<1.5	<5.3	<5.1	<1.5			ND (1.0)
4-Nitrophenol	1	<5.2	<5.4	<5.4	<5.2	<5.4	<5.2	<5.2	<11	<10	<5.2			ND (1.3) a
Pentachlorophenol	NS	<1.4	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<11	<10	<1.4			ND (1.5) a
Phenol	1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<2.1	<2.0	<1.3			ND (0.43)
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.98	<0.98	<0.94	<0.97	<0.94	<0.94	<5.3	<5.1	<0.94			ND (1.6)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<5.3	<5.1	<1.6			ND (1.4)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3	<1.3	<5.3	<5.1	<1.3			ND (1.0)
Acenaphthene	20	6.0	4.1	3.2	6.2	2.3	1.8	1.6	2.2	1.8	1.3			ND (0.21)
Acenaphthylene	NS	<0.23	<0.24	<0.24	<0.23	<0.24	<0.23	<0.23	<1.1	<1.0	<0.23			ND (0.15)
Acetophenone	NS	1.2 J	<0.30	<0.30	<0.29	<0.29	<0.29	<0.29	<2.1	<2.0	<0.29			ND (0.23)
Anthracene	50	1.1	0.79 J	0.76 J	1.2	0.48 J	0.45 J	<0.29	0.69 J	<1.0	0.50 J			ND (0.23)
Atrazine	7.5	<0.49	<0.51	<0.51	<0.49	<0.50	<0.49	<0.49	<5.3	<2.0	<0.49			ND (0.49) a
Benzaldehyde	NS	<3.3	<3.4	<3.4	<3.3	<3.4	<3.3	<3.3	<5.3	<5.1	<3.3			ND (0.31)
Benzo(a)anthracene	0.002	**0.45** J	**0.55** J	<0.24	<0.23	<0.23	<0.23	**0.48** J	**0.84** J	<1.0	**0.60** J			ND (0.22)
Benzo(a)pyrene	ND	<0.23	<0.24	<0.24	<0.23	<0.23	<0.23	<0.23	**0.52** J	<1.0	<0.23			ND (0.23)
Benzo(b)fluoranthene	0.002	<0.46	<0.48	<0.48	<0.46	<0.47	<0.46	<0.46	**0.6** J	<1.0	<0.46			ND (0.22)
Benzo(g,h,i)perylene	5	<0.32	<0.34	<0.34	<0.32	<0.33	<0.32	<0.32	<1.1	<1.0	<0.32			ND (0.37)
Benzo(k)fluoranthene	0.002	<0.51	<0.53	<0.53	<0.51	<0.52	<0.51	<0.51	<1.1	<1.0	<0.51			ND (0.22)
4-Bromophenyl phenyl ether	NS	<0.36	<0.37	<0.37	<0.36	<0.37	<0.36	<0.36	<2.1	<2.0	<0.36			ND (0.44)
Butyl benzyl phthalate	50	<0.29	<0.30	<0.30	<0.29	<0.30	<0.29	<0.29	<2.1	<2.0	<0.29			ND (0.50)
1,1'-Biphenyl	5	1.1	<0.32	<0.32	<0.30	<0.31	<0.30	<0.30	<1.1	<1.0	<0.30			ND (0.23)
2-Chloronaphthalene	10	<0.30	<0.31	<0.31	<0.30	<0.31	<0.30	<0.30	<2.1	<2.0	<0.30			ND (0.26)
4-Chloroaniline	5	<0.53	<0.55	<0.55	<0.53	<0.54	<0.53	<0.53	<5.3	<5.1	<0.53			ND (0.37)
Carbazole	NS	1.9	1.2	<0.38	1.4	<0.37	<0.36	<0.36	<1.1	<1.0	<0.36			ND (0.25)
Caprolactam	NS	<0.69	<0.72	<0.72	<0.69	<0.71	<0.69	<0.69	<2.1	<2.0	<0.69			ND (0.71)
Chrysene	0.002	<0.29	**0.43** J	<0.30	<0.29	<0.30	<0.29	**0.41** J	**0.88** J	<1.0	**0.62** J			ND (0.19)
bis(2-Chloroethoxy)methane	5	<0.31	<0.32	<0.32	<0.31	<0.32	<0.31	<0.31	<2.1	<2.0	<0.31			ND (0.30)
bis(2-Chloroethyl)ether	1	<0.31	<0.32	<0.32	<0.31	<0.32	<0.31	<0.31	<2.1	<2.0	<0.31			ND (0.27)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.47	<0.48	<0.45	<0.47	<0.45	<0.45	<2.1	<2.0	<0.45			ND (0.44)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.33	<0.33	<0.31	<0.32	<0.31	<0.31	<2.1	<2.0	<0.31			ND (0.40)
2,4-Dinitrotoluene	5	<0.43	<0.44	<0.45	<0.43	<0.44	<0.43	<0.43	<2.1	<1.0	<0.43			ND (0.60)
2,6-Dinitrotoluene	5	<0.46	<0.48	<0.48	<0.46	<0.48	<0.46	<0.46	<2.1	<1.0	<0.46			ND (0.52)
3,3'-Dichlorobenzidine	5	<0.36	<0.38	<0.38	<0.36	<0.37	<0.36	<0.36	<5.3	<2.0	<0.36			ND (0.55)
Dibenzo(a,h)anthracene	50	<0.38	<0.39	<0.40	<0.38	<0.39	<0.38	<0.38	<1.1	<1.0	<0.38			ND (0.36)
Dibenzofuran	NS	3.3 J	2.0 J	1.9 J	3.3 J	1.4 J	0.50 J	<0.27	<5.3	<5.1	<0.27			ND (0.24)
Di-n-butyl phthalate	50	<0.56	<0.58	<0.58	<0.56	<0.57	<0.56	<0.56	<2.1	<2.0	<0.56			6.4 B
Di-n-octyl phthalate	50	<0.31	<0.32	<0.32	<0.31	<0.32	<0.31	<0.31	<2.1	<2.0	<0.31			ND (0.25)
Diethyl phthalate	50	<0.33	<0.34	<0.34	<0.33	<0.34	<0.33	<0.33	<2.1	<2.0	<0.33			ND (0.28)
Dimethyl phthalate	50	<0.28	<0.29	<0.30	<0.28	<0.29	<0.28	<0.28	<2.1	<2.0	<0.28			ND (0.24)
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.61	<0.61	<0.59	<0.60	<0.59	0.75 J	<2.1	<2.0	<0.59			ND (1.8)
Fluoranthene	50	1.2	1.2	0.70 J	1.1	<0.33	0.75 J	0.90 J	2.5	<1.0	1.9			0.37 J
Fluorene	50	2.5	1.3	<0.29	1.7	<0.29	<0.28	<0.28	<1.1	<1.0	<0.28			ND (0.19)
Hexachlorobenzene	0.04	<0.34	<0.35	<0.35	<0.34	<0.35	<0.34	<0.34	<1.1	<1.0	<0.34			ND (0.35)
Hexachlorobutadiene	0.5	<0.51	<0.53	<0.54	<0.51	<0.53	<0.51	<0.51	<1.1	<1.0	<0.51			ND (0.53)
Hexachlorocyclopentadiene	5	<7.1	<7.4	<7.4	<7.1	<7.3	<7.1	<7.1	<11	<10	<7.1			ND (3.0)
Hexachloroethane	5	<0.55	<0.57	<0.58	<0.55	<0.57	<0.55	<0.55	<2.1	<2.0	<0.55			ND (0.42)
Indeno(1,2,3-cd)pyrene	0.002	<0.37	<0.39	<0.39	<0.37	<0.39	<0.37	<0.37	<1.1	<1.0	<0.37			ND (0.36)
Isophorone	5	<0.27	<0.28	<0.29	<0.27	<0.28	<0.27	<0.27	<2.1	<2.0	<0.27			ND (0.30)
2-Methylnaphthalene	NS	3.1	0.72 J	<0.40	1.1	<0.40	<0.38	<0.38	<1.1	<1.0	<0.38			ND (0.23)
2-Nitroaniline	5	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<5.3	<5.1	<1.1			ND (0.30)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<5.3	<5.1	<1.3			ND (0.42)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<5.3	<5.1	<1.7			ND (0.48)
Naphthalene	10	**59.9**	**17.6**	4.0	9.2	1.6	1.1	<0.26	0.75 J	3.1	<0.26			ND (0.25)
Nitrobenzene	0.4	<0.42	<0.44	<0.44	<0.42	<0.43	<0.42	<0.42	<2.1	<2.0	<0.42			ND (0.70)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.31	<0.32	<0.30	<0.31	<0.30	<0.30	<2.1	<2.0	<0.30			ND (0.52)
N-Nitrosodiphenylamine	50	<0.31	<0.32	<0.32	<0.31	<0.31	<0.31	<0.31	<5.3	<5.1	<0.31			ND (0.24)
Phenanthrene	50	6.0	4.8	4.1	7.0	2.2	<0.29	<0.29	0.95 J	<1.0	<0.29			ND (0.19)
Pyrene	50	1.1	1.2	0.64 J	0.79 J	<0.28	0.61 J	0.75 J	2.3	<1.0	1.9			0.69 J
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.32	<0.32	<0.31	<0.31	<0.31	<0.31	<2.1	<2.0	<0.31			ND (0.40)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-26D												
Lab Sample ID	**NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values**	**JA86145-8**	**JA99600-4**	**JB6089-3**	**JB14495-24**	**JB24380-5**	**JB31339-7**	**JB39234-6**	**JB47100-9**	**JB56101-8**	**JB62930-8**	**JB70168-2**	**JB77273-8**	**JD55285-1**
Date Sampled		**9/14/2011 Post Treatment**	**2/16/2012**	**5/9/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/10/2013**	**9/11/2013**	**12/19/2013**	**3/25/2014**	**6/24/2014**	**9/22/2014**	**11/8/2022**
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<0.97	<0.97	<5.4	<4.9	<0.97	<0.97	<5.0	<5.1	<1.0	<1.3	<5.0	ND (8.2)
4-Chloro-3-methyl phenol	NS	<1.8	<1.8	<1.8	<10	<9.1	<1.8	<1.8	<5.0	<5.1	<1.9	<1.3	<5.0	ND (8.9)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<6.4	<5.8	<1.2	<1.2	<5.0	<2.0	<1.2	<1.6	<2.0	ND (13)
2,4-Dimethylphenol	1	**3540**	**3790**	**2390**	**3270**	**2160**	**544**	**1050**	**1220**	**382**	**44.9**	**1640**	**1970**	**1860**
2,4-Dinitrophenol	10	<17	<17	<17	<91	<83	<17	<17	<20	<20	<17	<6.5	<20	ND (16)
4,6-Dinitro-o-cresol	NS	<0.99	<0.99	<0.99	<5.5	<4.9	<0.99	<0.99	<20	<20	<1.0	<1.3	<20	ND (13)
2-Methylphenol	NS	685	678	416	418	268	93.2	60.3	215	81	13.7	315	442	316
3&4-Methylphenol	NS	1410	1010	752	690	224	118	224	215	62.9	7.4	237	280	419
2-Nitrophenol	1	<1.5	<1.5	<1.5	<8.3	<7.5	<1.5	<1.5	<5.0	<5.1	<1.5	<1.9	<5.0	ND (9.6)
4-Nitrophenol	1	<5.2	<5.2	<5.2	<29	<26	<5.2	<5.2	<10	<10	<5.4	<0.91	<10	ND (12) b
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<7.7	<7.0	<1.4	<1.4	<10	<10	<1.4	<1.4	<10	ND (14)
Phenol	1	**195**	**32.6**	**70.1**	**104**	**33.2**	**21.6**	**21.1**	**24.9**	**23.2**	**26.4**	**48.1**	<2.0	**29.9**
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.94	<0.94	<5.2	<4.7	<0.94	<0.94	<5.0	<5.1	<0.97	<1.4	<5.0	ND (15)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<8.6	<7.8	<1.6	<1.6	<5.0	<5.1	<1.6	<1.7	<5.0	ND (13)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<7.1	<6.5	<1.3	<1.3	<5.0	<5.1	<1.3	<1.5	<5.0	ND (9.2)
Acenaphthene	20	**385**	**214**	**115**	**237**	**457**	**79.4**	**176**	**131**	**159**	**135**	**149**	**132**	207
Acenaphthylene	NS	77.9	33.3	23.6	43.5	135	15.8	31.5	33.1	31.2	22.4	33.7	38.9	54.3
Acetophenone	NS	52.5	8.9	<0.29	40.9	46.5	5.1	<0.29	<2.0	<2.0	8.0	<0.36	<2.0	12.3 J
Anthracene	50	48.5	18.3	20.2	**51.0**	**212**	14.7	34.3	16.4	37.5	13.9	21.3	20.4	32.9
Atrazine	7.5	<0.49	<0.49	<0.49	<2.7	<2.4	<0.49	<0.49	<5.0	<2.0	<0.50	<0.42	<2.0	ND (4.5) b
Benzaldehyde	NS	<3.3	<3.3	<3.3	<18	<16	<3.3	<3.3	<5.0	<5.1	<3.4	<0.67	<5.0	ND (2.9)
Benzo(a)anthracene	0.002	**12.6**	**3.9**	**2.4**	**18.1**	**90.1**	**5.6**	**12.7**	**4.4**	**17.1**	**2.5**	**5.2**	**3.9**	9.1 J
Benzo(a)pyrene	ND	**8.0**	**3.2**	**1.5**	**12.7**	**59.3**	**5.3**	**10.2**	**4.4**	**15.3**	**2.3**	**3.9**	**2.9**	**4.6** J
Benzo(b)fluoranthene	0.002	**8.2**	**2.0**	<0.46	**9.5**	**49.9**	**4.4**	**10.5**	**4.3**	**15.2**	**2.3**	**3.7**	**2.8**	5 J
Benzo(g,h,i)perylene	5	3.6	2.1	0.97 J	**6.3**	**26.1**	2.7	4.6	1.8	**7.1**	1.6	1.7	1.5	ND (3.4)
Benzo(k)fluoranthene	0.002	**3.4**	**2.2**	<0.51	**8.8**	**37.9**	**2.8**	**4.0**	**1.6**	**4.8**	**0.72** J	**1.6**	**1.0**	ND (2.1)
4-Bromophenyl phenyl ether	NS	<0.36	<0.36	<0.36	<2.0	<1.8	<0.36	<0.36	<2.0	<2.0	<0.37	<0.25	<2.0	ND (4.0)
Butyl benzyl phthalate	50	<0.29	<0.29	<0.29	<1.6	<1.4	<0.29	<0.29	<2.0	<2.0	<0.30	<0.22	<2.0	ND (4.6)
1,1'-Biphenyl	5	**94.0**	**61.8**	**53.0**	**97.7**	**181**	**31.2**	**43.7**	**64.9**	**70.7**	**24.6**	**63.5**	**62.5**	**88.8**
2-Chloronaphthalene	10	<0.30	<0.30	<0.30	<1.6	<1.5	<0.30	<0.30	<2.0	<2.0	<0.31	<0.34	<2.0	ND (2.4)
4-Chloroaniline	5	<0.53	<0.53	<0.53	<2.9	<2.6	<0.53	<0.53	<5.0	<5.1	<0.54	<0.30	<5.0	ND (3.4)
Carbazole	NS	242	86.7	93.8	90.0	162	45.4	62.0	90.2	88.5	52.4	98.2	114	148
Caprolactam	NS	<0.69	<0.69	<0.69	<3.8	<3.4	<0.69	<0.69	<2.0	<2.0	<0.71	<0.41	<2.0	ND (6.5)
Chrysene	0.002	**10.5**	**3.4**	**2.0**	**16.0**	**82.5**	**4.6**	**11.4**	**3.9**	**13.9**	**2.1**	**4.3**	**3.6**	6.1 J
bis(2-Chloroethoxy)methane	5	<0.31	<0.31	<0.31	<1.7	<1.5	<0.31	<0.31	<2.0	<2.0	<0.32	<0.42	<2.0	ND (2.8)
bis(2-Chloroethyl)ether	1	<0.31	<0.31	<0.31	<1.7	<1.5	<0.31	<0.31	<2.0	<2.0	<0.32	<0.43	<2.0	ND (2.5)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.45	<0.45	<2.5	<2.3	<0.45	<0.45	<2.0	<2.0	<0.47	<0.41	<2.0	ND (4.0)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.31	<0.31	<1.7	<1.6	<0.31	<0.31	<2.0	<2.0	<0.32	<0.38	<2.0	ND (3.7)
2,4-Dinitrotoluene	5	<0.43	<0.43	<0.43	<2.4	<2.1	<0.43	<0.43	<2.0	<1.0	<0.44	<0.32	<1.0	ND (5.5)
2,6-Dinitrotoluene	5	<0.46	<0.46	<0.46	<2.5	<2.3	<0.46	<0.46	<2.0	<1.0	<0.48	<0.26	<1.0	ND (4.8)
3,3'-Dichlorobenzidine	5	<0.36	<0.36	<0.36	<2.0	<1.8	<0.36	<0.36	<5.0	<2.0	<0.37	<0.56	<2.0	ND (5.1)
Dibenzo(a,h)anthracene	50	1.2	0.84 J	<0.38	<2.1	8.7	0.91 J	1.3	0.45 J	2.1	<0.39	0.59 J	<1.0	ND (3.3) b
Dibenzofuran	NS	319	162	102	177	443	66.0	82.0	106	132 J	70.4	125	112 J	160
Di-n-butyl phthalate	50	<0.56	<0.56	<0.56	<3.1	<2.8	<0.56	<0.56	<2.0	<2.0	<0.57	<0.58	6.4	ND (5.0)
Di-n-octyl phthalate	50	<0.31	<0.31	<0.31	<1.7	<1.5	<0.31	<0.31	<2.0	<2.0	<0.32	<0.25	<2.0	ND (2.3)
Diethyl phthalate	50	<0.33	<0.33	<0.33	<1.8	<1.6	<0.33	<0.33	<2.0	<2.0	<0.34	<0.23	<2.0	ND (2.6)
Dimethyl phthalate	50	<0.28	<0.28	<0.28	<1.6	<1.4	<0.28	<0.28	<2.0	<2.0	<0.29	<0.26	<2.0	ND (2.2)
bis(2-Ethylhexyl)phthalate	5	<0.59	1.8 J	<0.59	<3.2	<2.9	1.1 J	<0.59	1 J	1.7 J	1.2 J	1.1 J	3.1 B	ND (17)
Fluoranthene	50	**58.1**	19.4	11.6	**80.1**	**370**	23.0	49.2	18.8	**76.5**	13.2	21	15.5	36.5
Fluorene	50	**261**	**80.7**	**69.0**	**168**	**361**	**52.8**	**90.3**	**96.9**	**106**	**66.9**	**85.8**	**85.5**	134
Hexachlorobenzene	0.04	<0.34	<0.34	<0.34	<1.9	<1.7	<0.34	<0.34	<1.0	<1.0	<0.35	<0.46	<1.0	ND (3.3)
Hexachlorobutadiene	0.5	<0.51	<0.51	<0.51	<2.8	<2.6	<0.51	<0.51	<1.0	<1.0	<0.53	<0.39	<1.0	ND (4.9)
Hexachlorocyclopentadiene	5	<7.1	<7.1	<7.1	<39	<36	<7.1	<7.1	<10	<10	<7.3	<0.48	<10	ND (28)
Hexachloroethane	5	<0.55	<0.55	<0.55	<3.0	<2.8	<0.55	<0.55	<2.0	<2.0	<0.57	<0.29	<2.0	ND (3.9)
Indeno(1,2,3-cd)pyrene	0.002	**3.3**	**2.0**	**0.88** J	**5.5**	**25.0**	**2.9**	**4.7**	**1.9**	**7.3**	**1.2**	**1.5**	**1.4**	ND (3.3) b
Isophorone	5	<0.27	<0.27	<0.27	<1.5	<1.4	<0.27	<0.27	<2.0	<2.0	<0.28	<0.34	<2.0	ND (2.8)
2-Methylnaphthalene	NS	1510	678	357	1030	1470	266	428	520	533	18.2	598	543	586
2-Nitroaniline	5	<1.1	<1.1	<1.1	<6.1	<5.6	<1.1	<1.1	<5.0	<5.1	<1.1	<0.32	<5.0	ND (2.8)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<7.0	<6.3	<1.3	<1.3	<5.0	<5.1	<1.3	<0.26	<5.0	ND (3.9)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<9.1	<8.3	<1.7	<1.7	<5.0	<5.1	<1.7	<0.30	<5.0	ND (4.4)
Naphthalene	10	**20600**	**11500**	**7500**	**14300**	**14100**	**3990**	**4690**	**10100**	**6920**	2.6	**10900**	**11400**	14300
Nitrobenzene	0.4	<0.42	<0.42	<0.42	<2.3	<2.1	<0.42	<0.42	<2.0	<2.0	<0.43	<0.52	<2.0	ND (6.4)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.30	<0.30	<1.7	<1.5	<0.30	<0.30	<2.0	<2.0	<0.31	<0.38	<2.0	ND (4.8)
N-Nitrosodiphenylamine	50	<0.31	<0.31	<0.31	<1.7	<1.5	<0.31	<0.31	<5.0	<5.1	<0.31	<0.21	<5.0	ND (2.2)
Phenanthrene	50	**402**	**162**	**84.5**	**281**	**1230**	**80.1**	**226**	**99.3**	**186**	32.2	**148**	**95.2** J	160
Pyrene	50	41.8	13.9	10.9	**51.1**	**266**	17.9	34.8	13	48.7	11.7	15.1	12.5	23
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.31	<0.31	<1.7	<1.5	<0.31	<0.31	<2.0	<2.0	<0.31	<0.44	<2.0	ND (3.7)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-26S												
Lab Sample ID	**NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values**	**JA86145-9**	**JA99600-3**	**JB6089-2**	**JB14495-23**	**JB24380-6**	**JB31339-6**	**JB39234-7**	**JB46946-13**	**JB56101-7**	**JB62930-7**	**JB70168-1**	**JB77273-7**	**JD54013-22**
Date Sampled		**9/14/2011 Post Treatment**	**2/16/2012**	**5/9/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/10/2013**	**9/10/2013**	**12/19/2013**	**3/25/2014**	**6/24/2014**	**9/22/2014**	**10/21/2022**
		Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<1.0	<0.97	<0.97	<0.97	<1.1	<0.97	<5.3	<5.2	<0.97	-	<5.0	ND (0.80)
4-Chloro-3-methyl phenol	NS	<1.8	<1.9	<1.8	<1.8	<1.8	<2.0	<1.8	<5.3	<5.2	<1.8	-	<5.0	ND (0.87)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.3	<1.2	<5.3	<2.1	<1.2	-	<2.0	ND (1.2)
2,4-Dimethylphenol	1	**189**	**561**	**66.5**	**236**	**465**	**50.4**	**30.1**	**42.9**	**196**	**175**	**54.8**	**64.8**	**443**
2,4-Dinitrophenol	10	<17	<17	<17	<17	<17	<18	<17	<21	<21	<17	-	<20	ND (1.5)
4,6-Dinitro-o-cresol	NS	<0.99	<1.0	<0.99	<0.99	<0.99	<1.1	<0.99	<21	<21	<0.99	-	<20	ND (1.3)
2-Methylphenol	NS	49.5	96.6	26.5	26.3	79.8	12.5	6.1	11.1	36.6	30.7	10.1	4.1	94.1
3&4-Methylphenol	NS	194	289	82.8	72.6	264	31.6	10.8	16.8	124	125	26.4	9.5	209
2-Nitrophenol	1	<1.5	<1.6	<1.5	<1.5	<1.5	<1.6	<1.5	<5.3	<5.2	<1.5	-	<5.0	ND (0.94)
4-Nitrophenol	1	<5.2	<5.4	<5.2	<5.2	<5.2	<5.7	<5.2	<11	<10	<5.2	-	<10	ND (1.1) a
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.4	<1.4	<1.5	<1.4	<11	<10	<1.4	-	<10	ND (1.4) a
Phenol	1	**62.4**	**63.0**	**24.3**	**26.9**	**86.7**	**6.4**	<1.3	<2.1	**30.2**	**32.3**	**7.3**	<2.0	**28.7**
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.98	<0.94	<0.94	<0.94	<1.0	<0.94	<5.3	<5.2	<0.94	-	<5.0	ND (1.4)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.6	<1.6	<1.7	<1.6	<5.3	<5.2	<1.6	-	<5.0	ND (1.3)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.4	<1.3	<5.3	<5.2	<1.3	-	<5.0	ND (0.91)
Acenaphthene	20	**241**	**659**	**164**	**246**	**321**	**156**	**170**	**193**	**204**	**251**	**210**	**186**	162
Acenaphthylene	NS	15.1	42.1	12.7	9.5	24.7	4.5	5.2	6.9	9.1	10.8	3.9	5.6	11.1
Acetophenone	NS	<0.29	17.5	<0.29	<0.29	<0.29	3.7	<0.29	<2.1	14.6	13.2	-	<2.0	ND (0.20)
Anthracene	50	36.9	**215**	39.8	21.4	47.9	14.5	18.0	21.4	28	31.1	11.8	19.3	18.6
Atrazine	7.5	<0.49	<0.51	<0.49	<0.49	<0.49	<0.54	<0.49	<5.3	<2.1	<0.49	-	<2.0	ND (0.44) a
Benzaldehyde	NS	<3.3	<3.4	<3.3	<3.3	<3.3	<3.6	<3.3	<5.3	<5.2	<3.3	-	<5.0	ND (0.28)
Benzo(a)anthracene	0.002	**11.2**	**65.7**	**8.9**	**6.3**	**15.8**	**2.7**	**5.4**	**4.6**	**6.9**	**8.0**	**1.3**	**2.4**	2.9
Benzo(a)pyrene	ND	**6.7**	**39.4**	**4.5**	**4.0**	**9.8**	**1.7**	**3.9**	**3.7**	**4.7**	**5.3**	**0.72** J	**1.3**	**1.7**
Benzo(b)fluoranthene	0.002	**6.1**	**36.5**	**4.7**	**3.5**	**8.0**	**1.3**	**4.0**	**3.6**	**4.6**	**5.8**	**0.67** J	**1.3**	1.7
Benzo(g,h,i)perylene	5	3.2	**17.7**	2.8	2.2	4.4	0.79 J	1.8	2	1.8	2.8	0.4 J	0.63 J	0.74 J
Benzo(k)fluoranthene	0.002	**2.5**	**19.2**	**2.6**	**2.0**	**5.8**	**1.0** J	**1.5**	**1.4**	**1.8**	**2.1**	-	**0.49** J	0.65 J
4-Bromophenyl phenyl ether	NS	<0.36	<0.37	<0.36	<0.36	<0.36	<0.39	<0.36	<2.1	<2.1	<0.36	-	<2.0	ND (0.40)
Butyl benzyl phthalate	50	<0.29	<0.30	<0.29	<0.29	<0.29	<0.32	<0.29	<2.1	<2.1	<0.29	-	<2.0	ND (0.45)
1,1'-Biphenyl	5	**72.0**	**253**	**60.8**	**54.8**	**87.3**	**61.1**	**42.7**	**62.7**	**75.1**	**79.9**	**51.9**	**73.1**	**67.7**
2-Chloronaphthalene	10	<0.30	<0.31	<0.30	<0.30	<0.30	<0.33	<0.30	<2.1	<2.1	<0.30	-	<2.0	ND (0.23)
4-Chloroaniline	5	<0.53	<0.55	<0.53	<0.53	<0.53	<0.58	<0.53	<5.3	<5.2	<0.53	-	<5.0	ND (0.33)
Carbazole	NS	65.5	148	75.1	49.6	94.8	63.2	41.0	64.4	69.3	65.4	43.3	80.8	126
Caprolactam	NS	<0.69	<0.72	<0.69	<0.69	<0.69	<0.76	<0.69	<2.1	<2.1	<0.69	-	<2.0	ND (0.64)
Chrysene	0.002	**8.6**	**56.6**	**7.4**	**5.5**	**15.2**	**2.3**	**4.7**	**3.7**	**5.8**	**6.3**	**1**	**2.1**	2.4
bis(2-Chloroethoxy)methane	5	<0.31	<0.32	<0.31	<0.31	<0.31	<0.34	<0.31	<2.1	<2.1	<0.31	-	<2.0	ND (0.27)
bis(2-Chloroethyl)ether	1	<0.31	<0.32	<0.31	<0.31	<0.31	<0.34	<0.31	<2.1	<2.1	<0.31	-	<2.0	ND (0.24)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.47	<0.45	<0.45	<0.45	<0.50	<0.45	<2.1	<2.1	<0.45	-	<2.0	ND (0.40)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.33	<0.31	<0.31	<0.31	<0.34	<0.31	<2.1	<2.1	<0.31	-	<2.0	ND (0.36)
2,4-Dinitrotoluene	5	<0.43	<0.44	<0.43	<0.43	<0.43	<0.47	<0.43	<2.1	<1.0	<0.43	-	<1.0	ND (0.54)
2,6-Dinitrotoluene	5	<0.46	<0.48	<0.46	<0.46	<0.46	<0.51	<0.46	<2.1	<1.0	<0.46	-	<1.0	ND (0.47)
3,3'-Dichlorobenzidine	5	<0.36	<0.38	<0.36	<0.36	<0.36	<0.40	<0.36	<5.3	<2.1	<0.36	-	<2.0	ND (0.50)
Dibenzo(a,h)anthracene	50	0.74 J	6.9	0.48 J	0.76 J	1.7	<0.42	0.46 J	<1.1	0.53 J	<0.38	-	<1.0	ND (0.32)
Dibenzofuran	NS	188	531	129	99.3	248 J	138 J	76.7	143	167	181	141	124	123
Di-n-butyl phthalate	50	<0.56	<0.58	<0.56	<0.56	<0.56	<0.61	<0.56	<2.1	<2.1	<0.56	-	6.9	11.1 B
Di-n-octyl phthalate	50	<0.31	<0.32	<0.31	<0.31	<0.31	<0.34	<0.31	<2.1	<2.1	<0.31	-	2.0	ND (0.23)
Diethyl phthalate	50	<0.33	<0.34	<0.33	<0.33	<0.33	<0.36	<0.33	<2.1	<2.1	<0.33	-	<2.0	ND (0.26)
Dimethyl phthalate	50	<0.28	<0.29	<0.28	<0.28	<0.28	<0.31	<0.28	<2.1	<2.1	<0.28	-	<2.0	ND (0.21)
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.61	<0.59	<0.59	<0.59	<0.64	<0.59	2.2	<2.1	<0.59	-	**8.0** B	ND (1.6)
Fluoranthene	50	**57.5**	**394**	**51.4**	33.9	**69.7**	17.9	27.3	23.1	46.2	45.8	10.8	14.7	18.4
Fluorene	50	**152**	**511**	**108**	**85.3**	**181**	**95.7**	**72.7**	**104**	**131**	**148**	**83.9**	**96.2**	89.3
Hexachlorobenzene	0.04	<0.34	<0.35	<0.34	<0.34	<0.34	<0.37	<0.34	<1.1	<1.0	<0.34	-	<1.0	ND (0.32)
Hexachlorobutadiene	0.5	<0.51	<0.53	<0.51	<0.51	<0.51	<0.56	<0.51	<1.1	<1.0	<0.51	-	<1.0	ND (0.48)
Hexachlorocyclopentadiene	5	<7.1	<7.4	<7.1	<7.1	<7.1	<7.8	<7.1	<11	<10	<7.1	-	<10	ND (2.7)
Hexachloroethane	5	<0.55	<0.57	<0.55	<0.55	<0.55	<0.60	<0.55	<2.1	<2.1	<0.55	-	<2.0	ND (0.38)
Indeno(1,2,3-cd)pyrene	0.002	**2.2**	**16.2**	**2.1**	**1.8**	**3.9**	**0.81** J	**2.0**	**1.8**	**2.2**	**2.5**	-	**0.53** J	0.91 J
Isophorone	5	<0.27	<0.28	<0.27	<0.27	<0.27	<0.30	<0.27	<2.1	<2.1	<0.27	-	<2.0	ND (0.27)
2-Methylnaphthalene	NS	624	1320	361	450	733	189	92.9	133	338	321	185	127	411
2-Nitroaniline	5	<1.1	<1.2	<1.1	<1.1	<1.1	<1.2	<1.1	<5.3	<5.2	<1.1	-	<5.0	ND (0.27)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<1.3	<1.4	<1.3	<5.3	<5.2	<1.3	-	<5.0	ND (0.38)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.7	<1.7	<1.8	<1.7	<5.3	<5.2	<1.7	-	<5.0	ND (0.43)
Naphthalene	10	**6690**	**12500**	**2840**	**6250**	**8740**	**2600**	**1500**	**2100**	**4240**	**4980**	**2820**	**2400**	17300
Nitrobenzene	0.4	<0.42	<0.44	<0.42	<0.42	<0.42	<0.46	<0.42	<2.1	<2.1	<0.42	-	<2.0	ND (0.63)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.31	<0.30	<0.30	<0.30	<0.33	<0.30	<2.1	<2.1	<0.30	-	<2.0	ND (0.47)
N-Nitrosodiphenylamine	50	<0.31	<0.32	<0.31	<0.31	<0.31	<0.34	<0.31	<5.3	<5.2	<0.31	-	<5.0	ND (0.22)
Phenanthrene	50	**282**	**1450**	**197**	**230**	**388**	**127**	**145**	**139**	**196**	**238**	**98.5**	**119**	104
Pyrene	50	42.5	**269**	41.9	21.9	**59.7**	12.5	19.0	18.9	27.2	38.2	7	11.5	11.1
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.32	<0.31	<0.31	<0.31	<0.34	<0.31	<2.1	<2.1	<0.31	-	<2.0	ND (0.36)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1	MW-27D												
Date Sampled	Class GA Ambient Water Quality Standards and Guidance Values	JA86298-5 9/15/2011 Post Treatment	JA99488-9 2/15/2012	JB6089-1 5/9/2012	JB14495-26 8/28/2012	JB24380-7 12/19/2012	JB31339-9 3/13/2013	JB39020-17 6/6/2013	JB46946-14 9/10/2013	JB56101-10 12/19/2013	JB62825-16 3/24/2014	JB70168-4 6/24/2014	JB77273-6 9/22/2014	JD54013-19 10/21/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<1.0	<0.97	<4.9	<0.97	<1.0	<0.97	<5.5	<5.0	<0.97	<1.5	<5.0	ND (4.3)
4-Chloro-3-methyl phenol	NS	<1.8	<1.9	<1.8	<9.2	<1.8	<1.9	<1.8	<5.5	<5.0	<1.8	<1.5	<5.0	ND (4.7)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<5.8	<1.2	<1.2	<1.2	<5.5	<2.0	<1.2	<1.9	<2.0	ND (6.7)
2,4-Dimethylphenol	1	80.5	274 J	186	217	86.9	148	96.1	101 a	85.5	54.3	65	95.9	58.9
2,4-Dinitrophenol	10	<17	<17	<17	<83	<17	<17	<17	<22	<20	<17	<7.6	<20	ND (8.2)
4,6-Dinitro-o-cresol	NS	<0.99	<1.0	<0.99	<5.0	<0.99	<1.0	<0.99	<22	<20	<0.99	<1.5	<20	ND (6.8)
2-Methylphenol	NS	9.1	23.2	14.9	16.1	6.0	7.6	3.2	3.4	3.6	<1.0	<1.5	3.0	ND (4.7)
3&4-Methylphenol	NS	41.4	77.0	25.3	9.0 J	3.3	<0.95	<0.93	2.7	<2.0	<0.93	<1.2	7.8	ND (4.6)
2-Nitrophenol	1	<1.5	<1.6	<1.5	<7.6	<1.5	<1.5	<1.5	<5.5	<5.0	<1.5	<2.2	<5.0	ND (5.0) a
4-Nitrophenol	1	<5.2	<5.5	<5.2	<26	<5.2	<5.4	<5.2	<11	<10	<5.2	<1.1	<10	ND (6.1)
Pentachlorophenol	NS	<1.4	<1.5	<1.4	<7.0	<1.4	<1.4	<1.4	<11	<10	<1.4	<1.6	<10	ND (7.3) a
Phenol	1	20.5	14.2	<1.3	<6.5	<1.3	<1.3	<1.3	<2.2	<2.0	<1.3	<0.64	<2.0	ND (2.1)
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.99	<0.94	<4.7	<0.94	<0.97	<0.94	<5.5	<5.0	<0.94	<1.6	<5.0	ND (7.7)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<7.9	<1.6	<1.6	<1.6	<5.5	<5.0	<1.6	<2.0	<5.0	ND (7.0)
2,4,6-Trichlorophenol	1	<1.3	<1.4	<1.3	<6.5	<1.3	<1.3	<1.3	<5.5	<5.0	<1.3	<1.8	<5.0	ND (4.9)
Acenaphthene	20	47.5	286	58.1	135	43.3	54.7	54.1	74	80.8	71.1	70.1	69.3	102
Acenaphthylene	NS	3.7	49.9	6.7	27.1	8.4	4.5	6.0	7.8	5.8	7.6	7.9	8.0	8.4
Acetophenone	NS	28.0	28.7	<0.29	13.3	<0.29	<0.29	<0.29	<2.2	<2.0	<0.29	<0.42	<2.0	ND (1.1)
Anthracene	50	6.3	84.7	9.1	37.7	6.8	4.8	8.4	11.4	6.2	8.2	16.5	5.3	39.5
Atrazine	7.5	<0.49	<0.51	<0.49	<2.5	<0.49	<0.50	<0.49	<5.5	<2.0	<0.49	<0.49	<2.0	ND (2.4)
Benzaldehyde	NS	<3.3	<3.4	<3.3	<16	<3.3	<3.4	<3.3	<5.5	<5.0	<3.3	<0.78	<5.0	ND (1.5)
Benzo(a)anthracene	0.002	2.5	40.2	1.8	18.5	2.1	0.51 J	3.7	4.6	0.87 J	2.2	7.4	0.70 J	24.8
Benzo(a)pyrene	ND	2.4	39.2	<0.23	14.4	1.7	<0.23	3.1	4	0.56 J	1.7	6.4	<1.0	18.1
Benzo(b)fluoranthene	0.002	2.1	32.6	<0.46	11.8	1.6	<0.47	2.9	3.8	0.62 J	1.6	6.4	<1.0	18.1
Benzo(g,h,i)perylene	5	0.54 J	13.8	<0.32	9.7	1.2	<0.33	1.7	2	<1.0	0.85 J	3.7	<1.0	9.8
Benzo(k)fluoranthene	0.002	1.3	29.5	<0.51	10.2	0.87 J	<0.52	1.2	1.5	<1.0	0.73 J	2.6	<1.0	7
4-Bromophenyl phenyl ether	NS	<0.36	<0.38	<0.36	<1.8	<0.36	<0.37	<0.36	<2.2	<2.0	<0.36	<0.29	<2.0	ND (2.1)
Butyl benzyl phthalate	50	<0.29	<0.30	<0.29	<1.5	<0.29	<0.30	<0.29	<2.2	<2.0	<0.29	<0.26	<2.0	ND (2.4)
1,1'-Biphenyl	5	3.9	60.5	7.7	32.6	10.6	9.1	7.2	10.1	7.8	8.8	13	10.5	20.7
2-Chloronaphthalene	10	<0.30	<0.31	<0.30	<1.5	<0.30	<0.31	<0.30	<2.2	<2.0	<0.30	<0.40	<2.0	ND (1.2)
4-Chloroaniline	5	<0.53	<0.56	<0.53	<2.7	<0.53	<0.54	<0.53	<5.5	<5.0	<0.53	<0.35	<5.0	ND (1.8)
Carbazole	NS	41.5	70.3	61.2	75.5	48.4	53.2	41.2	71.7	76.1	65.7	60.2	86.9	71.8
Caprolactam	NS	<0.69	<0.73	<0.69	<3.5	<0.69	<0.71	<0.69	<2.2	<2.0	<0.69	<0.47	<2.0	ND (3.4)
Chrysene	0.002	2.2	33.2	1.8	16.2	1.9	0.43 J	3.1	3.7	0.59 J	1.9	7.2	0.54 J	19.6
bis(2-Chloroethoxy)methane	5	<0.31	<0.32	<0.31	<1.6	<0.31	<0.32	<0.31	<2.2	<2.0	<0.31	<0.49	<2.0	ND (1.5)
bis(2-Chloroethyl)ether	1	<0.31	<0.32	<0.31	<1.6	<0.31	<0.32	<0.31	<2.2	<2.0	<0.31	<0.50	<2.0	ND (1.3)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.48	<0.45	<2.3	<0.45	<0.47	<0.45	<2.2	<2.0	<0.45	<0.47	<2.0	ND (2.1)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.33	<0.31	<1.6	<0.31	<0.32	<0.31	<2.2	<2.0	<0.31	<0.44	<2.0	ND (1.9)
2,4-Dinitrotoluene	5	<0.43	<0.45	<0.43	<2.2	<0.43	<0.44	<0.43	<2.2	<1.0	<0.43	<0.37	<1.0	ND (2.9)
2,6-Dinitrotoluene	5	<0.46	<0.49	<0.46	<2.3	<0.46	<0.48	<0.46	<2.2	<1.0	<0.46	<0.30	<1.0	ND (2.5)
3,3'-Dichlorobenzidine	5	<0.36	<0.38	<0.36	<1.8	<0.36	<0.37	<0.36	<5.5	<2.0	<0.36	<0.65	<2.0	ND (2.7)
Dibenzo(a,h)anthracene	50	0.38 J	5.2	<0.38	<1.9	<0.38	<0.39	<0.38	0.5 J	<1.0	<0.38	0.88 J	<1.0	2.8 J
Dibenzofuran	NS	21.3	258	28.7	89.2	28.6	29.7	25.0	38.3	33.2	34.3	40.1	31.2	74.5
Di-n-butyl phthalate	50	<0.56	<0.58	<0.56	<2.8	<0.56	<0.57	<0.56	<2.2	<2.0	<0.56	<0.68	7.1 B	6.8 J
Di-n-octyl phthalate	50	<0.31	<0.32	<0.31	<1.6	<0.31	<0.32	<0.31	<2.2	<2.0	<0.31	<0.29	<2.0	ND (1.2)
Diethyl phthalate	50	<0.33	<0.34	<0.33	<1.7	<0.33	<0.34	<0.33	<2.2	<2.0	<0.33	<0.27	<2.0	ND (1.4)
Dimethyl phthalate	50	<0.28	<0.30	<0.28	<1.4	<0.28	<0.29	<0.28	<2.2	<2.0	<0.28	<0.30	<2.0	ND (1.1)
bis(2-Ethylhexyl)phthalate	5	20.1	3.5	<0.59	<3.0	<0.59	<0.60	<0.59	<2.2	<2.0	1.4 JB	<0.64	1.9 BJ	ND (8.7)
Fluoranthene	50	8.6	252	6.3	60.5	6.0	3.1	12.9	13.7	4.7	8.8	24.7	3.1	84.5
Fluorene	50	16.5	262	23.4	88.8	21.5	20.5	26.0	32.9	25.6	30.0	38.3	26.2	78
Hexachlorobenzene	0.04	<0.34	<0.36	<0.34	<1.7	<0.34	<0.35	<0.34	<1.1	<1.0	<0.34	<0.53	<1.0	ND (1.7)
Hexachlorobutadiene	0.5	<0.51	<0.54	<0.51	<2.6	<0.51	<0.53	<0.51	<1.1	<1.0	<0.51	<0.45	<1.0	ND (2.6)
Hexachlorocyclopentadiene	5	<7.1	<7.5	<7.1	<36	<7.1	<7.3	<7.1	<11	<10	<7.1	<0.56	<10	ND (15)
Hexachloroethane	5	<0.55	<0.58	<0.55	<2.8	<0.55	<0.57	<0.55	<2.2	<2.0	<0.55	<0.33	<2.0	ND (2.1)
Indeno(1,2,3-cd)pyrene	0.002	0.56 J	15.0	<0.37	7.9	0.96 J	<0.39	1.7	2.2	<1.0	0.73 J	3.5	<1.0	11.7
Isophorone	5	<0.27	<0.29	<0.27	<1.4	<0.27	<0.28	<0.27	<2.2	<2.0	<0.27	<0.39	<2.0	ND (1.5)
2-Methylnaphthalene	NS	22.7	557	51.0	170	56.9	45.8	40.1	54.4	39.6	38.2	42	48.2	21.8
2-Nitroaniline	5	<1.1	<1.2	<1.1	<5.6	<1.1	<1.1	<1.1	<5.5	<5.0	<1.1	<0.37	<5.0	ND (1.5)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<6.4	<1.3	<1.3	<1.3	<5.5	<5.0	<1.3	<0.30	<5.0	ND (2.0)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<8.3	<1.7	<1.7	<1.7	<5.5	<5.0	<1.7	<0.35	<5.0	ND (2.3)
Naphthalene	10	400	4150	572	2590	1100	901	1020	1390	868	1280	649	1360	793
Nitrobenzene	0.4	<0.42	<0.44	<0.42	<2.1	<0.42	<0.43	<0.42	<2.2	<2.0	<0.42	<0.60	<2.0	ND (3.4)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.32	<0.30	<1.5	<0.30	<0.31	<0.30	<2.2	<2.0	<0.30	<0.44	<2.0	ND (2.5)
N-Nitrosodiphenylamine	50	<0.31	<0.32	<0.31	<1.5	<0.31	<0.31	<0.31	<5.5	<5.0	<0.31	<0.24	<5.0	ND (1.2)
Phenanthrene	50	20.5	649	30.0	154	28.4	23.1	35.8	40.6	24.1	36.9	63	23.4	191
Pyrene	50	7.0	184	6.4	47.0	5.0	2.5	8.8	11.7	2.8	6.9	18.9	2.5	57.5
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.32	<0.31	<1.5	<0.31	<0.31	<0.31	<2.2	<2.0	<0.31	<0.52	<2.0	ND (2.0)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analy
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-27S												
Date Sampled		JA86298-4 9/15/2011 Post Treatment	JA99488-8 2/15/2012	JB5987-4 5/8/2012	JB14495-25 8/28/2012	JB24380-8 12/19/2012	JB31339-8 3/13/2013	JB39020-16 6/6/2013	JB46946-15 9/10/2013	JB56101-9 12/19/2013	JB62825-15 3/24/2014	JB70168-3 6/26/2014	JB77273-5 9/22/2014	JD54013-18 10/21/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<1.0	<0.98	<1.1	<0.97	<1.0	<0.97	<5.0	<5.1	<1.0	<1.3	<5.0	ND (0.86)
4-Chloro-3-methyl phenol	NS	<1.8	<1.9	<1.8	<2.0	<1.8	<1.9	<1.8	<5.0	<5.1	<1.9	<1.3	<5.0	ND (0.94)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.3	<1.2	<1.2	<1.2	<5.0	<2.0	<1.2	<1.6	<2.0	ND (1.3)
2,4-Dimethylphenol	1	35.3	28.1	32.3	14.0	5.6	21.9	22.1	5.8	3.5 J	3.4 J	2.7 J	<5.0	ND (2.6)
2,4-Dinitrophenol	10	<17	<17	<17	<18	<17	<17	<17	<20	<20	<17	<6.5	<20	ND (1.6)
4,6-Dinitro-o-cresol	NS	<0.99	<1.0	<1.0	<1.1	<0.99	<1.0	<0.99	<20	<20	<1.0	<1.3	<20	ND (1.4)
2-Methylphenol	NS	6.2	8.3	7.8	1.3 J	<1.0	<1.1	<1.0	<2.0	<2.0	<1.1	<1.3	<2.0	ND (0.93)
3&4-Methylphenol	NS	19.4	6.9	7.7	<1.0	<0.93	<0.96	<0.93	<2.0	<2.0	<0.96	<1.1	<2.0	ND (0.93)
2-Nitrophenol	1	<1.5	<1.6	<1.5	<1.7	<1.5	<1.6	<1.5	<5.0	<5.1	<1.6	<1.9	<5.0	ND (1.0)
4-Nitrophenol	1	<5.2	<5.4	<5.3	<5.7	<5.2	<5.4	<5.2	<10	<10	<5.4	<0.91	<10	ND (1.2) a
Pentachlorophenol	NS	<1.4	<1.4	<1.4	<1.5	<1.4	<1.4	<1.4	<10	<10	<1.4	<1.4	<10	ND (1.5) a
Phenol	1	<1.3	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3	<2.0	<2.0	<1.3	<0.55	<2.0	ND (0.41)
2,3,4,6-Tetrachlorophenol	NS	<0.94	<0.98	<0.95	<1.0	<0.94	<0.98	<0.94	<5.0	<5.1	<0.98	<1.4	<5.0	ND (1.5)
2,4,5-Trichlorophenol	1	<1.6	<1.6	<1.6	<1.7	<1.6	<1.6	<1.6	<5.0	<5.1	<1.6	<1.7	<5.0	ND (1.4)
2,4,6-Trichlorophenol	1	<1.3	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3	<5.0	<5.1	<1.3	<1.5	<5.0	ND (0.97)
Acenaphthene	20	16.5	22.1	14.0	13.8	8.5	10.9	17.7	13.9	17.2	13.6	8.7	14.3	17.7
Acenaphthylene	NS	1.1	<0.24	<0.23	1.1	0.91 J	0.84 J	1.7	1.3	1.6	<0.24	0.72 J	<1.0	1.4
Acetophenone	NS	8.6	<0.30	<0.29	<0.32	<0.29	<0.30	<0.29	<2.0	<2.0	<0.30	<0.36	<2.0	0.53 J
Anthracene	50	2.3	6.6	2.8	1.9	3.1	2.0	5.8	4.1	5.2	4.0	1.9	2.6	3.4
Atrazine	7.5	<0.49	<0.51	<0.49	<0.54	<0.49	<0.51	<0.49	<5.0	<2.0	<0.51	<0.42	<2.0	ND (0.47) a
Benzaldehyde	NS	<3.3	<3.4	<3.3	<3.6	<3.3	<3.4	<3.3	<5.0	<5.1	<3.4	<0.67	<5.0	ND (0.30)
Benzo(a)anthracene	0.002	0.64 J	3.0	0.93 J	<0.25	2.0	0.99 J	3.9	1	2.7	2.0	0.53 J	0.87 J	1.2
Benzo(a)pyrene	ND	<0.23	2.4	<0.23	<0.25	1.3	0.46 J	2.7	0.51 J	2.1	1.5	<0.24	0.46 J	0.77 J
Benzo(b)fluoranthene	0.002	<0.46	2.2	<0.46	<0.50	1.1	<0.48	2.9	0.58 J	2.2	1.5	<0.22	0.47 J	0.75 J
Benzo(g,h,i)perylene	5	<0.32	1.4	<0.33	<0.36	0.80 J	0.35 J	1.5	<1.0	1.2	0.91 J	<0.31	<1.0	0.54 J
Benzo(k)fluoranthene	0.002	<0.51	1.6	<0.51	<0.56	0.96 J	<0.53	1.0	<1.0	0.8 J	<0.53	<0.22	<1.0	0.29 J
4-Bromophenyl phenyl ether	NS	<0.36	<0.37	<0.36	<0.39	<0.36	<0.37	<0.36	<2.0	<2.0	<0.37	<0.25	<2.0	ND (0.43)
Butyl benzyl phthalate	50	<0.29	<0.30	<0.29	<0.32	<0.29	<0.30	<0.29	<2.0	<2.0	<0.30	<0.22	<2.0	ND (0.48)
1,1'-Biphenyl	5	3.0	4.2	2.4	2.2	1.6	2.1	2.6	2.5	3	2.0	1.3	1.7	0.58 J
2-Chloronaphthalene	10	<0.30	<0.31	<0.30	<0.33	<0.30	<0.31	<0.30	<2.0	<2.0	<0.31	<0.34	<2.0	ND (0.25)
4-Chloroaniline	5	<0.53	<0.55	<0.53	<0.58	<0.53	<0.55	<0.53	<5.0	<5.1	<0.55	<0.30	<5.0	ND (0.36)
Carbazole	NS	12.5	15.9	10.4	7.2	6.6	7.9	8.0	11.1	9.3	6.7	5.3	9.5	14.2
Caprolactam	NS	<0.69	<0.72	<0.70	<0.76	<0.69	<0.72	<0.69	<2.0	<2.0	<0.72	<0.41	<2.0	ND (0.68)
Chrysene	0.002	0.46 J	2.7	0.86 J	<0.32	1.9	0.82 J	3.6	0.81 J	2.3	1.7	0.42 J	0.68 J	0.9 J
bis(2-Chloroethoxy)methane	5	<0.31	<0.32	<0.31	<0.34	<0.31	<0.32	<0.31	<2.0	<2.0	<0.32	<0.42	<2.0	ND (0.29)
bis(2-Chloroethyl)ether	1	<0.31	<0.32	<0.31	<0.34	<0.31	<0.32	<0.31	<2.0	<2.0	<0.32	<0.43	<2.0	ND (0.26)
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.47	<0.46	<0.50	<0.45	<0.47	<0.45	<2.0	<2.0	<0.47	<0.41	<2.0	ND (0.42)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.33	<0.32	<0.34	<0.31	<0.33	<0.31	<2.0	<2.0	<0.33	<0.38	<2.0	ND (0.39)
2,4-Dinitrotoluene	5	<0.43	<0.44	<0.43	<0.47	<0.43	<0.44	<0.43	<2.0	<1.0	<0.44	<0.32	<1.0	ND (0.58)
2,6-Dinitrotoluene	5	<0.46	<0.48	<0.47	<0.51	<0.46	<0.48	<0.46	<2.0	<1.0	<0.48	<0.26	<1.0	ND (0.50)
3,3'-Dichlorobenzidine	5	<0.36	<0.38	<0.36	<0.40	<0.36	<0.38	<0.36	<5.0	<2.0	<0.38	<0.56	<2.0	ND (0.53)
Dibenzo(a,h)anthracene	50	<0.38	<0.39	<0.38	<0.42	<0.38	<0.39	<0.38	<1.0	<1.0	<0.39	<0.28	<1.0	ND (0.35)
Dibenzofuran	NS	10.4	13.3	7.1	6.2	5.1	6.4	8.8	7.7	9.7	7.1	4.3 J	6.4	8.8
Di-n-butyl phthalate	50	<0.56	<0.58	<0.56	<0.61	<0.56	<0.58	<0.56	<2.0	<2.0	<0.58	<0.58	5.5 B	9.9 B
Di-n-octyl phthalate	50	<0.31	<0.32	<0.31	<0.34	<0.31	<0.32	<0.31	<2.0	<2.0	<0.32	<0.25	1.7 J	ND (0.25)
Diethyl phthalate	50	<0.33	<0.34	<0.33	<0.36	<0.33	<0.34	<0.33	<2.0	<2.0	<0.34	<0.23	<2.0	ND (0.28)
Dimethyl phthalate	50	<0.28	<0.29	<0.29	<0.31	<0.28	<0.29	<0.28	<2.0	<2.0	<0.29	<0.26	<2.0	ND (0.23)
bis(2-Ethylhexyl)phthalate	5	<0.59	<0.61	<0.59	<0.65	<0.59	<0.61	<0.59	<2.0	<2.0	<0.61	<0.55	1.8 BJ	ND (1.7)
Fluoranthene	50	2.4	9.7	3.1	1.6	4.8	2.9	13.0	4.4	8.7	5.9	1.8	2.5	3.9
Fluorene	50	7.2	11.1	6.2	5.4	5.1	5.1	10.1	8.8	9.9	7.4	4.5	6.4	6.8
Hexachlorobenzene	0.04	<0.34	<0.35	<0.34	<0.37	<0.34	<0.35	<0.34	<1.0	<1.0	<0.35	<0.46	<1.0	ND (0.34)
Hexachlorobutadiene	0.5	<0.51	<0.53	<0.52	<0.57	<0.51	<0.53	<0.51	<1.0	<1.0	<0.53	<0.39	<1.0	ND (0.52)
Hexachlorocyclopentadiene	5	<7.1	<7.4	<7.2	<7.9	<7.1	<7.4	<7.1	<10	<10	<7.4	<0.48	<10	ND (2.9)
Hexachloroethane	5	<0.55	<0.57	<0.56	<0.61	<0.55	<0.57	<0.55	<2.0	<2.0	<0.57	<0.29	<2.0	ND (0.41)
Indeno(1,2,3-cd)pyrene	0.002	<0.37	0.98 J	<0.38	<0.41	0.66 J	<0.39	1.3	<1.0	0.91 J	0.57 J	<0.40	<1.0	0.49 J
Isophorone	5	<0.27	<0.28	<0.28	<0.30	<0.27	<0.28	<0.27	<2.0	<2.0	<0.28	<0.34	<2.0	ND (0.29)
2-Methylnaphthalene	NS	16.3	19.7	11.7	9.1	5.5	7.8	7.4	1.9	2.7	0.96 J	<0.29	<1.0	0.96 J
2-Nitroaniline	5	<1.1	<1.2	<1.1	<1.2	<1.1	<1.2	<1.1	<5.0	<5.1	<1.2	<0.32	<5.0	ND (0.29)
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3	<5.0	<5.1	<1.3	<0.26	<5.0	ND (0.41)
4-Nitroaniline	5	<1.7	<1.7	<1.7	<1.8	<1.7	<1.7	<1.7	<5.0	<5.1	<1.7	<0.30	<5.0	ND (0.46)
Naphthalene	10	298	682	237	285	84.5	205	253	127	201	83.7	48.3	25.2	11.1
Nitrobenzene	0.4	<0.42	<0.44	<0.42	<0.46	<0.42	<0.44	<0.42	<2.0	<2.0	<0.44	<0.52	<2.0	ND (0.68)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.31	<0.31	<0.33	<0.30	<0.31	<0.30	<2.0	<2.0	<0.31	<0.38	<2.0	ND (0.51)
N-Nitrosodiphenylamine	50	<0.31	<0.32	<0.31	<0.34	<0.31	<0.32	<0.31	<5.0	<5.1	<0.32	<0.21	<5.0	ND (0.23)
Phenanthrene	50	10.2	20.2	8.8	5.8	9.9	8.4	18.1	12.3	15.9	13.5	6.2	10.2	10.8
Pyrene	50	2.0	8.5	2.9	1.2	5.1	3.1	12.7	4.7	7.5	6.2	1.6	2.9	3.1
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.32	<0.31	<0.34	<0.31	<0.32	<0.31	<2.0	<2.0	<0.32	<0.44	<2.0	ND (0.39)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-30D													
Date Sampled		JA86429-6 9/16/2011 Post Treatment		JA99600-6 2/16/2012		JB7215-2 5/23/2012		JB14495-28 8/28/2012		JB24380-10 12/19/2012		JB31339-11 3/13/2013		JB39234-9 6/10/2013	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)															
2-Chlorophenol	NS	<1.0		<1.1		<1.0		<1.1		<0.97		<9.7		<0.97	
4-Chloro-3-methyl phenol	NS	<1.9		<2.0		<1.9		<2.1		<1.8		<18		<1.8	
2,4-Dichlorophenol	5	<1.2		<1.3		<1.2		<1.3		<1.2		<12		<1.2	
2,4-Dimethylphenol	1	190		242		22.5		90.2		212		158		<1.5	
2,4-Dinitrophenol	10	<17		<18		<17		<19		<17		<170		<17	
4,6-Dinitro-o-cresol	NS	<1.0		<1.1		<1.0		<1.1		<0.99		<9.9		<0.99	
2-Methylphenol	NS	44.2		50.4		8.6		18.7		27.9		31		<1.0	
3&4-Methylphenol	NS	50.6		58.8		13		31		48.4		72.4		<0.93	
2-Nitrophenol	1	<1.5		<1.7		<1.6		<1.7		<1.5		<15		<1.5	
4-Nitrophenol	1	<5.4		<5.8		<5.5		<6.0		<5.2		<52		<5.2	
Pentachlorophenol	NS	<1.4		<1.5		<1.5		<1.6		<1.4		<14		<1.4	
Phenol	1	12		16.8		7.1		16.6		27.4		72.5		<1.3	
2,3,4,6-Tetrachlorophenol	NS	<0.97		<1.0		<0.99		<1.1		<0.94		<9.4		<0.94	
2,4,5-Trichlorophenol	1	<1.6		<1.7		<1.6		<1.8		<1.6		<16		<1.6	
2,4,6-Trichlorophenol	1	<1.3		<1.4		<1.4		<1.5		<1.3		<13		<1.3	
Acenaphthene	20	230		109		29.8		69.9		89.5		103		4.8	
Acenaphthylene	NS	8.3		4.7		1.4		3.5		3.8		<2.3		<0.23	
Acetophenone	NS	26.5		8.7		<0.30		<0.33		<0.29		<2.9		<0.29	
Anthracene	50	11.6		3.8		<0.30		3.9		4.9		<2.9		0.61	J
Atrazine	7.5	<0.50		<0.54		<0.51		<0.56		<0.49		<4.9		<0.49	
Benzaldehyde	NS	<3.4		<3.6		<3.4		<3.7		<3.3		<33		<3.3	
Benzo(a)anthracene	0.002	1.2		<0.25		<0.24		0.62	J	0.63	J	<2.3		<0.23	
Benzo(a)pyrene	ND	<0.23		<0.25		<0.24		<0.26		<0.23		<2.3		<0.23	
Benzo(b)fluoranthene	0.002	<0.47		<0.51		<0.48		<0.52		<0.46		<4.6		<0.46	
Benzo(g,h,i)perylene	5	<0.33		<0.36		<0.34		<0.37		<0.32		<3.2		<0.32	
Benzo(k)fluoranthene	0.002	<0.52		<0.57		<0.54		<0.59		<0.51		<5.1		<0.51	
4-Bromophenyl phenyl ether	NS	<0.37		<0.40		<0.38		<0.41		<0.36		<3.6		<0.36	
Butyl benzyl phthalate	50	<0.30		<0.32		<0.30		<0.33		<0.29		<2.9		<0.29	
1,1'-Biphenyl	5	64.6		45.7		10.4		27.9		34.4		34.6		1.4	
2-Chloronaphthalene	10	<0.31		<0.33		<0.31		<0.34		<0.30		<3.0		<0.30	
4-Chloroaniline	5	<0.54		<0.59		<0.56		<0.61		<0.53		<5.3		<0.53	
Carbazole	NS	69.1		40		20		28.9		41.8		26.6		0.55	J
Caprolactam	NS	<0.71		<0.77		<0.73		<0.79		<0.69		<6.9		<0.69	
Chrysene	0.002	1.1		<0.32		<0.30		0.58	J	0.48	J	<2.9		<0.29	
bis(2-Chloroethoxy)methane	5	<0.32		<0.34		<0.32		<0.35		<0.31		<3.1		<0.31	
bis(2-Chloroethyl)ether	1	<0.32		<0.34		<0.32		<0.35		<0.31		<3.1		<0.31	
bis(2-Chloroisopropyl)ether	NS	<0.47		<0.50		<0.48		<0.52		<0.45		<4.5		<0.45	
4-Chlorophenyl phenyl ether	NS	<0.32		<0.35		<0.33		<0.36		<0.31		<3.1		<0.31	
2,4-Dinitrotoluene	5	<0.44		<0.47		<0.45		<0.49		<0.43		<4.3		<0.43	
2,6-Dinitrotoluene	5	<0.48		<0.51		<0.49		<0.53		<0.46		<4.6		<0.46	
3,3'-Dichlorobenzidine	5	<0.37		<0.40		<0.38		<0.41		<0.36		<3.6		<0.36	
Dibenzo(a,h)anthracene	50	<0.39		<0.42		<0.40		<0.43		<0.38		<3.8		<0.38	
Dibenzofuran	NS	161		64.4		20.8		41		66.2		71.6		3.1	J
Di-n-butyl phthalate	50	<0.57		<0.62		<0.58		<0.64		<0.56		<5.6		<0.56	
Di-n-octyl phthalate	50	<0.32		<0.34		<0.32		<0.35		<0.31		<3.1		<0.31	
Diethyl phthalate	50	<0.34		<0.36		<0.34		<0.38		<0.33		<3.3		<0.33	
Dimethyl phthalate	50	<0.29		<0.31		<0.30		<0.33		<0.28		<2.8		<0.28	
bis(2-Ethylhexyl)phthalate	5	<0.60		229		<0.62		<0.67		<0.59		<5.9		<0.59	
Fluoranthene	50	11.3		2.5		0.84	J	2.2		5.9		<3.2		<0.32	
Fluorene	50	71.7		38.2		10.4		25.5		30.8		30.7		1.9	
Hexachlorobenzene	0.04	<0.35		<0.38		<0.36		<0.39		<0.34		<3.4		<0.34	
Hexachlorobutadiene	0.5	<0.53		<0.57		<0.54		<0.59		<0.51		<5.1		<0.51	
Hexachlorocyclopentadiene	5	<7.3		<7.9		<7.5		<8.2		<7.1		<71		<7.1	
Hexachloroethane	5	<0.57		<0.61		<0.58		<0.63		<0.55		<5.5		<0.55	
Indeno(1,2,3-cd)pyrene	0.002	<0.39		<0.42		<0.39		<0.43		<0.37		<3.7		<0.37	
Isophorone	5	<0.28		<0.30		<0.29		<0.31		<0.27		<2.7		<0.27	
2-Methylnaphthalene	NS	752		438		63.7		387		297		284		1.9	
2-Nitroaniline	5	<1.1		<1.2		<1.2		<1.3		<1.1		<11		<1.1	
3-Nitroaniline	5	<1.3		<1.4		<1.3		<1.4		<1.3		<13		<1.3	
4-Nitroaniline	5	<1.7		<1.8		<1.7		<1.9		<1.7		<17		<1.7	
Naphthalene	10	11200		7940		2240		5100		6020		7880		30.7	
Nitrobenzene	0.4	<0.43		<0.47		<0.44		<0.48		<0.42		<4.2		<0.42	
N-Nitroso-di-n-propylamine	NS	<0.31		<0.34		<0.32		<0.35		<0.30		<3.0		<0.30	
N-Nitrosodiphenylamine	50	<0.31		<0.34		<0.32		<0.35		<0.31		<3.1		<0.31	
Phenanthrene	50	84.3		37.8		7.6		16.9		43		31.9		2.3	
Pyrene	50	7.2		1.7		0.67	J	1.6		3.6		<2.7		<0.27	
1,2,4,5-Tetrachlorobenzene	NS	<0.31		<0.34		<0.32		<0.35		<0.31		<3.1		<0.31	

Lab Sample ID	NOT SAMPLED	MW-30D				
Date Sampled		JB56101-12 12/19/2013		JB62930-10 3/25/2014		JB77273-16 9/23/2014		JD54013-9 10/20/2022		
		Result	Q	Result	Q	Result	Q	Result	Q	
GC/MS Semi-volatiles (ug/L) (SW846 8270D)										
2-Chlorophenol		<5.0		<1.1		<5.0		ND (0.84)		
4-Chloro-3-methyl phenol		<5.0		<2.0		<5.0		ND (0.91)		
2,4-Dichlorophenol		<5.0		<1.3		<2.0		ND (1.3)		
2,4-Dimethylphenol		132		58.8		139		34.4		24.3	
2,4-Dinitrophenol		<20		<20		<18		<20		ND (1.6) [a]	a
4,6-Dinitro-o-cresol		<20		<20		<1.1		<20		ND (1.3)	a
2-Methylphenol		26.6		18.3		32.2		10		4.6	
3&4-Methylphenol		94.2		95.4		81.1		41.4		7.1	
2-Nitrophenol		<5.0		<5.0		<1.7		<5.0		ND (0.98)	a
4-Nitrophenol		<10		<10		<5.8		<10		ND (1.2)	
Pentachlorophenol		<10		<10		<1.5		<10		ND (1.4)	
Phenol		49.9		9.8		55.5		3.1		5.8	c
2,3,4,6-Tetrachlorophenol		<5.0		<5.0		<1.0		<5.0		ND (1.5)	
2,4,5-Trichlorophenol		<5.0		<5.0		<1.7		<5.0		ND (1.4)	
2,4,6-Trichlorophenol		<5.0		<5.0		<1.4		<5.0		ND (0.95)	
Acenaphthene		236		125		269		6.5		91.4	
Acenaphthylene		5.6		6.6		4		6.5		4	
Acetophenone		<2.0		<2.0		<0.32		<2.0		5.3	
Anthracene		2.8		7.1		3.4		4.8		2.3	
Atrazine		<5.0		<2.0		<0.54		<2.0		ND (0.46)	
Benzaldehyde		<5.0		<5.0		<3.6		<5.0		ND (0.30)	
Benzo(a)anthracene		<1.0		<1.0		<0.25		<1.0		0.38	J
Benzo(a)pyrene		<1.0		<1.0		<0.25		<1.0		ND (0.22)	
Benzo(b)fluoranthene		<1.0		<1.0		<0.51		<1.0		ND (0.21)	
Benzo(g,h,i)perylene		<1.0		<1.0		<0.36		<1.0		ND (0.35)	
Benzo(k)fluoranthene		<1.0		<1.0		<0.57		<1.0		ND (0.21)	
4-Bromophenyl phenyl ether		<2.0		<2.0		<0.40		<2.0		ND (0.41)	
Butyl benzyl phthalate		<2.0		<2.0		<0.32		<2.0		ND (0.47)	
1,1'-Biphenyl		64.5		36.4		65.9		22.5			
2-Chloronaphthalene		<2.0		<2.0		<0.33		<2.0		ND (0.24)	
4-Chloroaniline		<5.0		<5.0		<0.59		<5.0		ND (0.35)	d
Carbazole		34.2		43.1		25.8		56.7		34.3	
Caprolactam		<2.0		<2.0		<0.77		<2.0		ND (0.67)	a
Chrysene		<1.0		<1.0		<0.32		<1.0		ND (0.18)	
bis(2-Chloroethoxy)methane		<2.0		<2.0		<0.34		<2.0		ND (0.29)	
bis(2-Chloroethyl)ether		<2.0		<2.0		<0.34		<2.0		ND (0.25)	a
bis(2-Chloroisopropyl)ether		<2.0		<2.0		<0.50		<2.0		ND (0.41)	
4-Chlorophenyl phenyl ether		<2.0		<2.0		<0.35		<2.0		ND (0.38)	
2,4-Dinitrotoluene		<2.0		<1.0		<0.47		<1.0		ND (0.57)	
2,6-Dinitrotoluene		<2.0		<1.0		<0.51		<1.0		ND (0.49)	
3,3'-Dichlorobenzidine		<5.0		<2.0		<0.40		<2.0		ND (0.52)	
Dibenzo(a,h)anthracene		<1.0		<1.0		<0.42		<1.0		ND (0.34)	
Dibenzofuran		120 a		162		81		175	J	49.2	
Di-n-butyl phthalate		<2.0		<2.0		<0.62		3.7		ND (0.51)	
Di-n-octyl phthalate		<2.0		<2.0		<0.34		<2.0		ND (0.24)	
Diethyl phthalate		<2.0		<2.0		<0.36		<2.0		ND (0.27)	
Dimethyl phthalate		<2.0		<2.0		<0.31		<2.0		ND (0.22)	
bis(2-Ethylhexyl)phthalate		<2.0		1.4	J	1.3	JB	ND (1.7)		
Fluoranthene		2.5		4.1		1.5		2.2		2.6	
Fluorene		58.3		82.3		40		76.0		30.4	
Hexachlorobenzene		<1.0		<1.0		<0.38		<1.0		ND (0.33)	
Hexachlorobutadiene		<1.0		<1.0		<0.57		<1.0		ND (0.50)	
Hexachlorocyclopentadiene		<10		<10		<7.9		<10		ND (2.9)	
Hexachloroethane		<2.0		<2.0		<0.61		<2.0		ND (0.40)	
Indeno(1,2,3-cd)pyrene		<1.0		<1.0		<0.42		<1.0		ND (0.34)	
Isophorone		<2.0		<2.0		<0.30		<2.0		ND (0.28)	
2-Methylnaphthalene		461		436		295		280		83	
2-Nitroaniline		<5.0		<5.0		<1.2		<5.0		ND (0.28)	a
3-Nitroaniline		<5.0		<5.0		<1.4		<5.0		ND (0.40)	
4-Nitroaniline		<5.0		<5.0		<1.8		<5.0		ND (0.45)	
Naphthalene		8250		6710		5730		8810		1660	
Nitrobenzene		<2.0		<2.0		<0.47		<2.0		ND (0.66)	
N-Nitroso-di-n-propylamine		<2.0		<2.0		<0.34		<2.0		ND (0.49)	
N-Nitrosodiphenylamine		<5.0		<5.0		<0.34		<5.0		ND (0.23)	
Phenanthrene		72.2		37.1		68.9		18.1			
Pyrene		1.3		2.3		1.1		1.5		2	
1,2,4,5-Tetrachlorobenzene		<2.0		<0.34		<2.0		ND (0.38)		

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
[c] Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
[d] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	MW-30S												
Date Sampled		JA86298-7 9/15/2011 Post Treatment	JA99600-5 2/16/2012	JB7215-1 5/23/2012	JB14495-27 8/28/2012	JB24380-9 12/19/2012	JB31339-10 3/13/2013	JB39234-8 6/10/2013	JB47195-1 9/12/2013	JB56101-11 12/19/2013	JB62930-9 3/25/2014	NOT SAMPLED	JB77273-11 9/23/2014	JD54013-8 10/20/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
GC/MS Semi-volatiles (ug/L) (SW846 8270D)														
2-Chlorophenol	NS	<0.97	<1.0	<0.98	<1.0	<0.97	<0.97	<0.99	<5.0	<5.0	<1.0		<5.0	ND (0.82)
4-Chloro-3-methyl phenol	NS	<1.8	<1.9	<1.8	<1.9	<1.8	<1.8	<1.9	<5.0	<5.0	<2.0		<5.0	ND (0.89)
2,4-Dichlorophenol	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<5.0	<2.0	<1.2		<2.0	ND (1.3)
2,4-Dimethylphenol	1	10.3	1.8 J	<1.5	<1.6	<1.5	<1.5	65.5	<5.0	<5.0	<1.6		<5.0	ND (2.4)
2,4-Dinitrophenol	10	<17	<18	<17	<18	<17	<17	<17	<20	<20	<18		<20	ND (1.6) a
4,6-Dinitro-o-cresol	NS	<0.99	<1.1	<0.99	<1.1	<0.99	<0.99	<1.0	<20	<20	<1.1		<20	ND (1.3) a
2-Methylphenol	NS	3.8	<1.1	<1.0	<1.1	<1.0	<1.0	9.1	<2.0	<2.0	<1.1		<2.0	ND (0.89)
3&4-Methylphenol	NS	8.4	1.4 J	<0.93	<0.98	<0.93	<0.93	35	<2.0	<2.0	<0.99		<2.0	ND (0.88)
2-Nitrophenol	1	<1.5	<1.6	<1.5	<1.6	<1.5	<1.5	<1.5	<5.0	<5.0	<1.6		<5.0	ND (0.96) a
4-Nitrophenol	1	<5.2	<5.5	<5.2	<5.5	<5.2	<5.2	<5.3	<10	<10	<5.6		<10	ND (1.2)
Pentachlorophenol	NS	<1.4	<1.5	<1.4	<1.5	<1.4	<1.4	<1.4	<10	<10	<1.5		<10	ND (1.4)
Phenol	1	8.4	<1.4	<1.3	<1.4	<1.3	<1.3	11.8	<2.0	<2.0	<1.4		<2.0	ND (0.39) a
2,3,4,6-Tetrachlorophenol	NS	<0.94	<1.0	<0.94	<1.0	<0.94	<0.94	<0.96	<5.0	<5.0	<1.0		<5.0	ND (1.5)
2,4,5-Trichlorophenol	1	<1.6	<1.7	<1.6	<1.7	<1.6	<1.6	<1.6	<5.0	<5.0	<1.7		<5.0	ND (1.3)
2,4,6-Trichlorophenol	1	<1.3	<1.4	<1.3	<1.4	<1.3	<1.3	<1.3	<5.0	<5.0	<1.4		<5.0	ND (0.92)
Acenaphthene	20	31.5	31.4	11.2	99.1	31.8	20.9	162	80.2	62.1	31		59.2	16.5
Acenaphthylene	NS	1.3	1 J	<0.23	2.2	1.3	<0.23	4.3	<1.0	1.1	0.74 J		1.2	0.33 J
Acetophenone	NS	1.8 J	0.83 J	<0.29	<0.30	<0.29	<0.29	<0.29	<2.0	<2.0	<0.31		<2.0	ND (0.21)
Anthracene	50	7.1	7.3	1.5	6.3	3.4	1	<0.29	2.7	1.4	1.8		1.9	0.39 J
Atrazine	7.5	<0.49	<0.52	<0.49	<0.52	<0.49	<0.49	<0.50	<5.0	<2.0	<0.52		<2.0	ND (0.45)
Benzaldehyde	NS	<3.3	<3.5	<3.3	<3.5	<3.3	<3.3	<3.3	<5.0	<5.0	<3.5		<5.0	ND (0.29)
Benzo(a)anthracene	0.002	1.8	2.3	<0.23	0.96 J	1.2	<0.23	0.53 J	<1.0	<1.0	<0.24		<1.0	ND (0.20)
Benzo(a)pyrene	ND	1.9	1.5	<0.23	<0.24	0.68 J	<0.23	<0.23	<1.0	<1.0	<0.24		<1.0	ND (0.21)
Benzo(b)fluoranthene	0.002	2.3	1.7	<0.46	<0.49	0.65 J	<0.46	<0.47	<1.0	<1.0	<0.49		<1.0	ND (0.21)
Benzo(g,h,i)perylene	5	1.3	1.5	<0.32	<0.34	<0.32	<0.32	<0.33	<1.0	<1.0	<0.35		<1.0	ND (0.34)
Benzo(k)fluoranthene	0.002	1.1	1.1	<0.51	<0.54	<0.51	<0.51	<0.52	<1.0	<1.0	<0.55		<1.0	ND (0.21)
4-Bromophenyl phenyl ether	NS	<0.36	<0.38	<0.36	<0.38	<0.36	<0.36	<0.36	<2.0	<2.0	<0.38		<2.0	ND (0.40)
Butyl benzyl phthalate	50	<0.29	<0.31	<0.29	<0.31	<0.29	<0.29	<0.29	<2.0	<2.0	<0.31		<2.0	ND (0.46)
1,1'-Biphenyl	5	9.7	9.1	3.6	35.6	10.8	6.5	33.6	19.6	3.2	0.64 J		<1.0	ND (0.21)
2-Chloronaphthalene	10	<0.30	<0.32	<0.30	<0.32	<0.30	<0.30	<0.30	<2.0	<2.0	<0.32		<2.0	ND (0.24)
4-Chloroaniline	5	<0.53	<0.56	<0.53	<0.56	<0.53	<0.53	<0.54	<5.0	<5.0	<0.57		<5.0	ND (0.34) d
Carbazole	NS	5.7	5.3	1.9	12.2	4.3	2.5	25.9	7.5	4.6	2.7		7.4	ND (0.23)
Caprolactam	NS	<0.69	<0.73	<0.69	<0.73	<0.69	<0.69	<0.70	<2.0	<2.0	<0.74		<2.0	ND (0.65) a
Chrysene	0.002	1.8	2.1	<0.29	0.81 J	1.1	<0.29	0.45 J	<1.0	<1.0	<0.31		<1.0	ND (0.18)
bis(2-Chloroethoxy)methane	5	<0.31	<0.33	<0.31	<0.33	<0.31	<0.31	<0.31	<2.0	<2.0	<0.33		<2.0	ND (0.28)
bis(2-Chloroethyl)ether	1	<0.31	<0.33	<0.31	<0.33	<0.31	<0.31	<0.31	<2.0	<2.0	<0.33		<2.0	ND (0.25) a
bis(2-Chloroisopropyl)ether	NS	<0.45	<0.48	<0.46	<0.48	<0.45	<0.45	<0.46	<2.0	<2.0	<0.49		<2.0	ND (0.40)
4-Chlorophenyl phenyl ether	NS	<0.31	<0.33	<0.31	<0.33	<0.31	<0.31	<0.32	<2.0	<2.0	<0.34		<2.0	ND (0.37)
2,4-Dinitrotoluene	5	<0.43	<0.45	<0.43	<0.45	<0.43	<0.43	<0.43	<2.0	<1.0	<0.46		<1.0	ND (0.55)
2,6-Dinitrotoluene	5	<0.46	<0.49	<0.46	<0.49	<0.46	<0.46	<0.47	<2.0	<1.0	<0.50		<1.0	ND (0.48)
3,3'-Dichlorobenzidine	5	<0.36	<0.38	<0.36	<0.38	<0.36	<0.36	<0.37	<5.0	<2.0	<0.39		<2.0	ND (0.51)
Dibenzo(a,h)anthracene	50	<0.38	<0.40	<0.38	<0.40	<0.38	<0.38	<0.39	<1.0	<1.0	<0.41		<1.0	ND (0.33)
Dibenzofuran	NS	26	24.9	6.9	63.5	24.5	15.3	74.1	49.7	40.1	20.4		34.2	ND (0.22)
Di-n-butyl phthalate	50	<0.56	<0.59	<0.56	<0.59	<0.56	<0.56	<0.57	<2.0	<2.0	<0.60		2.5	ND (0.50)
Di-n-octyl phthalate	50	<0.31	<0.33	<0.31	<0.33	<0.31	<0.31	<0.31	<2.0	<2.0	<0.33		1.6 J	ND (0.23)
Diethyl phthalate	50	<0.33	<0.35	<0.33	<0.35	<0.33	<0.33	<0.33	<2.0	<2.0	<0.35		<2.0	ND (0.26)
Dimethyl phthalate	50	<0.28	<0.30	<0.28	<0.30	<0.28	<0.28	<0.29	<2.0	<2.0	<0.30		<2.0	ND (0.22)
bis(2-Ethylhexyl)phthalate	5	<0.59	1.2 J	<0.59	<0.62	1.4 J	<0.59	2.8	<2.0	<2.0	<0.63		3.7	ND (1.7)
Fluoranthene	50	9.7	15.2	0.85 J	6.2	5.6	<0.32	3.6	2.1	0.82 J	1.4		0.96 J	0.74 J
Fluorene	50	20	16.6	3.6	39.2	13.8	9.3	43.9	29.7	18.9	12.9		19.2	ND (0.17)
Hexachlorobenzene	0.04	<0.34	<0.36	<0.34	<0.36	<0.34	<0.34	<0.34	<1.0	<1.0	<0.36		<1.0	ND (0.33)
Hexachlorobutadiene	0.5	<0.51	<0.54	<0.51	<0.54	<0.51	<0.51	<0.52	<1.0	<1.0	<0.55		<1.0	ND (0.49)
Hexachlorocyclopentadiene	5	<7.1	<7.6	<7.1	<7.6	<7.1	<7.1	<7.3	<10	<10	<7.6		<10	ND (2.8)
Hexachloroethane	5	<0.55	<0.59	<0.55	<0.59	<0.55	<0.55	<0.56	<2.0	<2.0	<0.59		<2.0	ND (0.39)
Indeno(1,2,3-cd)pyrene	0.002	0.69 J	0.81 J	<0.38	<0.40	<0.37	<0.37	<0.38	<1.0	<1.0	<0.40		<1.0	ND (0.33)
Isophorone	5	<0.27	<0.29	<0.27	<0.29	<0.27	<0.27	<0.28	<2.0	<2.0	<0.29		<2.0	ND (0.28)
2-Methylnaphthalene	NS	17.7	5.8	<0.39	0.45 J	11.4	22.1	270	<1.0	<1.0	<0.41		<1.0	ND (0.21)
2-Nitroaniline	5	<1.1	<1.2	<1.1	<1.2	<1.1	<1.1	<1.1	<5.0	<5.0	<1.2		<5.0	ND (0.28) a
3-Nitroaniline	5	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<5.0	<1.4		<5.0	ND (0.39)
4-Nitroaniline	5	<1.7	<1.8	<1.7	<1.8	<1.7	<1.7	<1.7	<5.0	<5.0	<1.8		<5.0	ND (0.44)
Naphthalene	10	538	337	68.1	30.6	135	5.7	3490	4	1.2	12.3		1.3	ND (0.23)
Nitrobenzene	0.4	<0.42	<0.45	<0.42	<0.45	<0.42	<0.42	<0.43	<2.0	<2.0	<0.45		<2.0	ND (0.64)
N-Nitroso-di-n-propylamine	NS	<0.30	<0.32	<0.30	<0.32	<0.30	<0.30	<0.31	<2.0	<2.0	<0.32		<2.0	ND (0.48)
N-Nitrosodiphenylamine	50	<0.31	<0.32	<0.31	<0.32	<0.31	<0.31	<0.31	<5.0	<5.0	<0.33		<5.0	ND (0.22)
Phenanthrene	50	39.5	48	5	52.6	24.6	6	36.3	18.2	7.5	8.9		3.3	ND (0.18)
Pyrene	50	10.3	11.2	0.97 J	4.4	4.6	<0.27	3.1	1.2	0.47 J	0.93 J		0.61 J	0.37 J
1,2,4,5-Tetrachlorobenzene	NS	<0.31	<0.32	<0.31	<0.32	<0.31	<0.31	<0.31	<2.0	<2.0	<0.33		<2.0	ND (0.37)

Notes:
NS = No Standard
Qualifiers:
< = Analyte below detection limit
J = value estimated
[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed
[c] Associated CCV outside of control limits high. Estimated value, due to corresp
[d] Associated CCV outside of control limits low. Low-level verification was analyz
[e] Sample was titrated to a final pH of 4.5.Sample received with head space.
[f] Calculated as: (Iron) - (Iron, Ferrous)
[g] Field analysis required. Received out of hold time and analyzed by request.
[h] Associated CCV outside of control limits low.

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-7R												
Lab Sample ID	Class GA	JA85941-2	JA99488-1	JB6090-7	JB14495-19	JB24251-14	JB31339-1	JB39234-1	JB47100-1	JB55981-3	JB62930-1	JB70373-3	JB77273-4	JD54013-1
Date Sampled	Ambient Water	9/12/2011	2/15/2012	5/9/2012	8/28/2012	12/18/2012	3/13/2013	6/10/2013	9/11/2013	12/18/2013	3/25/2014	6/24/2014	9/22/2014	10/19/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	17000	5790	13500	7110	7140	3870	8070	2580	155	1130	1610	1840	2480

	NYSDEC TOGS 1.1.1	MW-11D												
Lab Sample ID	Class GA	JA86145-1	JA99361-2	JB5986-2	JB14495-3	JB24251-2	JB31021-3	JB39020-3	JB46946-3	JB55981-5	JB62825-2	NOT SAMPLED (Semi-Annual Sampling)	JB77273-12	JD54013-6
Date Sampled	Ambient Water	9/14/2011	2/14/2012	5/8/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014		9/23/2014	10/20/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	741	584	376	381	1080	523	101	746	27100	159		247	653

	NYSDEC TOGS 1.1.1	MW-14S (Treatment Zone Well)												
Lab Sample ID	Class GA	JA86022-2	JA99488-3	JB6090-1	JB14495-6	JB24251-4	JB31021-6	JB39020-4	JB46946-4	JB55981-8	JB62825-4	JB70373-1	JB77273-19	
Date Sampled	Ambient Water	9/13/2011	2/15/2012	5/9/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014	6/26/2014	9/24/2014	No Data
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	
Metals Analysis (ug/L)														
Iron	300	31500	16800	27000	11200	36300	15200	12100	11600	634	22100	14900	8430	

	NYSDEC TOGS 1.1.1	MW-17S (Treatment Zone Well)												
Lab Sample ID	Class GA	JA86145-5	JA99361-7	JB6090-3	JB14495-9	JB24251-7	JB31021-9	JB39020-7	JB46946-7	JB55981-11	JB62825-6			JD54013-5
Date Sampled	Ambient Water	9/14/2011	2/14/2012	5/9/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014	No Data		10/20/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q
Metals Analysis (ug/L)														
Iron	300	<100	296000	13000	203000	2030	<100	<100	217000 [b]	30100	172000			980

	NYSDEC TOGS 1.1.1	MW-20S (Treatment Zone Well)												
Lab Sample ID	Class GA	JA86022-5	JA99361-9	JB5986-8	JB14495-12	JB24251-10	JB31021-12	JB39020-9	JB46946-9	JB55981-14	JB62825-9	JB70168-6	JB77273-9	JD54013-20
Date Sampled	Ambient Water	9/13/2011	2/14/2012	5/8/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014	6/24/2014	9/23/2014	10/20/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	4200	22500	22100	228000	6940	4980	6700	10200	249	14600	5050	24500	711

	NYSDEC TOGS 1.1.1	MW-23S (Treatment Zone Well)												
Lab Sample ID	Class GA	JA86145-3	JA99361-10	JB6090-8	JB14495-15	JB24251-12	JB31021-15	JB39020-11	JB47100-6	JB56101-4	JB62930-6			
Date Sampled	Ambient Water	9/14/2011	2/14/2012	5/9/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/11/2013	12/19/2013	3/25/2014	No Data		
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			
Metals Analysis (ug/L)														
Iron	300	6590	18600	7270	2490	13300	18800	4510	6380	18900	4130			

	NYSDEC TOGS 1.1.1	MW-25D												
Lab Sample ID	Class GA	JA86298-3	JA99600-2	JB5987-3	JB14495-22	JB24380-4	JB31339-5	JB39020-15	JB47100-7	JB55981-14	JB62825-14	NOT SAMPLED (Annual Sampling)	NOT SAMPLED (Annual Sampling)	JD54013-17
Date Sampled	Ambient Water	9/15/2011	2/16/2012	5/8/2012	8/28/2012	12/19/2012	3/13/2013	6/6/2013	9/11/2013	12/18/2013	3/24/2014			10/21/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q
Metals Analysis (ug/L)														
Iron	300	1420	604	877	158	874	1290	736	292	249	1680			786

	NYSDEC TOGS 1.1.1	MW-26S												
Lab Sample ID	Class GA	JA86145-9	JA99600-3	JB6089-2	JB14495-23	JB24380-6	JB31339-6	JB39234-7	JB46946-13	JB56101-7	JB62930-7	JB70168-1	JB77273-7	JD54013-22
Date Sampled	Ambient Water	9/14/2011	2/16/2012	5/9/2012	8/28/2012	12/19/2012	3/13/2013	6/10/2013	9/10/2013	12/19/2013	3/25/2014	6/24/2014	9/22/2014	10/21/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	103000	124000	54300	3950	11100	1990	2250	2420	2320	4470	2710	2700	1240

	NYSDEC TOGS 1.1.1	MW-30D												
Lab Sample ID	Class GA	JA86429-6	JA99600-6	JB7215-2	JB14495-28	JB24380-10	JB31339-11	JB39334-1	JB47100-10	JB56101-12	JB62930-10		JB77273-16	JD54013-9
Date Sampled	Ambient Water	9/16/2011	2/16/2012	5/23/2012	8/28/2012	12/19/2012	3/13/2013	6/11/2013	9/11/2013	12/19/2013	3/25/2014	NOT SAMPLED (Semi-Annual Sampling)	9/23/2014	10/20/2022
	Quality Standards and Guidance Values	Post Treatment Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	14900	32300	24200	31500	82100	76000	3170	49300	36000	18900		10700	2050

NS = No Standard
Qualifiers:
< = Analyte not detected at or abouve reporting limit.
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	NYSDEC TOGS 1.1.1	MW-9 (Treatment Zone Well)												
Lab Sample ID	Class GA	JA85941-1	JA99361-1	JB5986-1	JB14495-1	JB24251-1	JB31021-1	JB39020-1	JB46946-1	JB55981-1	JB62930-2	JB70168-8	JB77273-13	JD54013-13
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/12/2011 Post Treatment Result Q	2/14/2012 Result Q	5/8/2012 Result Q	8/27/2012 Result Q	12/18/2012 Result Q	3/11/2013 Result Q	6/6/2013 Result Q	9/10/2013 Result Q	12/18/2013 Result Q	3/25/2014 Result Q	6/24/2014 Result Q	9/23/2014 Result Q	10/20/2022 Result Q
Metals Analysis (ug/L)														
Iron	300	691000	318000	253000	136000	10400	4660	47500	3130	4530	1510	1450	818	5450

	NYSDEC TOGS 1.1.1	MW-12D												
Lab Sample ID	Class GA	JA86145-4	JA99361-3	JB5986-3	JB14495-4	JB24251-13	JB31021-4	JB39234-2	JB47100-2	JB56101-2	JB62930-3	NOT SAMPLED (Semi-Annual Sampling)	JB77273-2	No Data
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/14/2011 Post Treatment Result Q	2/14/2012 Result Q	5/8/2012 Result Q	8/27/2012 Result Q	12/18/2012 Result Q	3/11/2013 Result Q	6/10/2013 Result Q	9/11/2013 Result Q	12/19/2013 Result Q	3/25/2014 Result Q		9/22/2014 Result Q	
Metals Analysis (ug/L)														
Iron	300	279	521	986	473	3240	681	749	749	908	1600		596	

	NYSDEC TOGS 1.1.1	MW-15D												
Lab Sample ID	Class GA	JA86022-7	JA99361-5	JB5986-5	JB14495-7	JB24251-5	JB31021-7	JB39020-5	JB46946-5	JB55981-6	JB62825-5	JB70168-5	JB77273-20	JD54013-21
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/13/2011 Post Treatment Result Q	2/14/2012 Result Q	5/8/2012 Result Q	8/27/2012 Result Q	12/18/2012 Result Q	3/11/2013 Result Q	6/6/2013 Result Q	9/10/2013 Result Q	12/18/2013 Result Q	3/24/2014 Result Q	6/24/2014 Result Q	9/24/2014 Result Q	10/21/2022 Result Q
Metals Analysis (ug/L)														
Iron	300	88000	16000	18100	55500	1030	659	22300	2220	295	743	381	514	674

	NYSDEC TOGS 1.1.1	MW-18D												
Lab Sample ID	Class GA	JA86145-2	JA99361-8	JB5986-7	JB14495-10	JB24251-8	JB31021-10	JB39234-4	JB47100-4	JB55981-9	JB62825-7	NOT SAMPLED (Semi-Annual Sampling)	JB77273-14	No Data
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/14/2011 Post Treatment Result Q	2/14/2012 Result Q	5/8/2012 Result Q	8/27/2012 Result Q	12/18/2012 Result Q	3/11/2013 Result Q	6/10/2013 Result Q	9/11/2013 Result Q	12/18/2013 Result Q	3/24/2014 Result Q		9/23/2014 Result Q	
Metals Analysis (ug/L)														
Iron	300	303	255	178	1070	695	368	277	277	422	314		441	

	NYSDEC TOGS 1.1.1	MW-21S (Treatment Zone Well)												
Lab Sample ID	Class GA	JA85941-3	JA99488-5	JB6090-6	JB14495-13	JB24380-11	JB31021-13	JB39234-5	JB47100-5	JB56101-3	JB62930-5	NOT SAMPLED (Semi-Annual Sampling)	JB77273-1	JD54013-7
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/12/2011 Post Treatment Result Q	2/15/2012 Result Q	5/9/2012 Result Q	8/27/2012 Result Q	12/19/2012 Result Q	3/11/2013 Result Q	6/10/2013 Result Q	9/11/2013 Result Q	12/19/2013 Result Q	3/25/2014 Result Q		9/22/2014 Result Q	10/20/2022 Result Q
Metals Analysis (ug/L)														
Iron	300	555	12800	2730	34300	3160	1810	298	1820	3770	1890		678	1860

	NYSDEC TOGS 1.1.1	MW-24D												
Lab Sample ID	Class GA	No Data				JB24380-2	JB31339-3	JB39020-13	JB47100-8	JB56101-6	JB62825-12	NOT SAMPLED (Annual Sampling)	NOT SAMPLED (Annual Sampling)	JD54013-12
Date Sampled	Ambient Water Quality Standards and Guidance Values					12/19/2012 Result Q	3/13/2013 Result Q	6/6/2013 Result Q	9/11/2013 Result Q	12/19/2013 Result Q	3/24/2014 Result Q			10/20/2022 Result Q
Metals Analysis (ug/L)														
Iron	300					659	185	157	1270	<100	507			<100

	NYSDEC TOGS 1.1.1	MW-25S												
Lab Sample ID	Class GA	JA86298-2	JA99600-1	JB5987-2	JB14495-21	JB24380-3	JB31339-4	JB39020-14	JB47100-8	JB55981-14	JB62825-13	NOT SAMPLED (Annual Sampling)	NOT SAMPLED (Annual Sampling)	JD54013-16
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/15/2011 Post Treatment Result Q	2/16/2012 Result Q	5/8/2012 Result Q	8/28/2012 Result Q	12/19/2012 Result Q	3/13/2013 Result Q	6/6/2013 Result Q	9/11/2013 Result Q	12/18/2013 Result Q	3/24/2014 Result Q			10/21/2022 Result Q
Metals Analysis (ug/L)														
Iron	300	8430	2100	11000	978	1420	7740	5360	1270	249	11700			4170

	NYSDEC TOGS 1.1.1	MW-27D												
Lab Sample ID	Class GA	JA86298-5	JA99488-9	JB6089-1	JB14495-26	JB24380-7	JB31339-9	JB39020-17	JB46946-14	JB56101-10	JB62825-16	JB70168-4	JB77273-6	JD54013-19
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/15/2011 Post Treatment Result Q	2/15/2012 Result Q	5/9/2012 Result Q	8/28/2012 Result Q	12/19/2012 Result Q	3/13/2013 Result Q	6/6/2013 Result Q	9/10/2013 Result Q	12/19/2013 Result Q	3/24/2014 Result Q	6/24/2014 Result Q	9/22/2014 Result Q	10/21/2022 Result Q
Metals Analysis (ug/L)														
Iron	300	280	983	466	645	866	380	790	1020	235	266	435	108	621

	NYSDEC TOGS 1.1.1	MW-30S												
Lab Sample ID	Class GA	JA86298-7	JA99600-5	JB7215-1	JB14495-27	JB24380-9	JB31339-10	JB39234-9	JB47195-1	JB56101-11	JB62930-9	NOT SAMPLED (Semi-Annual Sampling)	JB77273-11	JD54013-8
Date Sampled	Ambient Water Quality Standards and Guidance Values	9/15/2011 Post Treatment Result Q	2/16/2012 Result Q	5/23/2012 Result Q	8/28/2012 Result Q	12/19/2012 Result Q	3/13/2013 Result Q	6/10/2013 Result Q	9/12/2013 Result Q	12/19/2013 Result Q	3/25/2014 Result Q		9/23/2014 Result Q	10/20/2022 Result Q
Metals Analysis (ug/L)														
Iron	300	13700	50600	12000	4700	12900	19900	4850	4850	17400	9520		1820	2150

NS = No Standard
Qualifiers:
< = Analyte not detected at or abouve reporting limit.
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

		MW-10 (Treatment Zone Well)												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA86022-4	JA99488-2	JB6090-5	JB14495-2	JB24346-1	JB31021-2	JB39020-2	JB46946-2	JB55981-2	JB62825-1	NOT SAMPLED (Semi-Annual Sampling)	JB77273-17	JD54013-11
Date Sampled		9/13/2011 Post Treatment	2/15/2012	5/9/2012	8/27/2012	12/19/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014		9/23/2014	10/20/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	896000	59900	828000	187000	33900	24600	32800	13700	3040	2860		975	2280

		MW-13S (Treatment Zone Well)												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA86022-1	JA99361-4	JB5986-4	JB14495-5	JB24251-3	JB31021-5	JB39234-3	JB47100-3	JB55981-4	JB62825-3	NOT SAMPLED (Semi-Annual Sampling)	JB77273-10	No Data
Date Sampled		9/13/2011 Post Treatment	2/14/2012	5/8/2012	8/27/2012	12/18/2012	3/11/2013	6/10/2013	9/11/2013	12/18/2013	3/24/2014		9/23/2014	
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	
Metals Analysis (ug/L)														
Iron	300	1080	943	3290	1430	2150	6820	8980	1830	1930	7920		483	

		MW-16S (Treatment Zone Well)												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA85941-4	JA99361-6	JB5986-6	JB14495-8	JB24251-6	JB31021-8	JB39020-6	JB46946-6	JB55981-7	JB62930-4	JB70168-7	JB77273-15	JD54013-2
Date Sampled		9/12/2011 Post Treatment	2/14/2012	5/8/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/25/2014	6/24/2014	9/23/2014	10/19/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	8860	12100	7620	18400	3140	1460	2470	11000	1170	2590	808	581	1410

		MW-19D												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA86022-6	JA99488-4	JB6090-4	JB14495-11	JB24251-9	JB31021-11	JB39020-8	JB46946-8	JB55981-10	JB62825-8	NOT SAMPLED (Semi-Annual Sampling)	JB77273-18	JD54013-10
Date Sampled		9/13/2011 Post Treatment	2/15/2012	5/9/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014		9/24/2014	10/20/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q		Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	3860	3260	915	452	2710	591	1190	9380	7000	655		190	423

		MW-22D												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA86022-3	JA99488-6	JB6090-2	JB14495-14	JB24251-11	JB31021-14	JB39020-10	JB46946-10	JB55981-12	JB62825-10	JB70373-2	JB77273-3	No Data
Date Sampled		9/13/2011 Post Treatment	2/15/2012	5/9/2012	8/27/2012	12/18/2012	3/11/2013	6/6/2013	9/10/2013	12/18/2013	3/24/2014	6/26/2014	9/22/2014	
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	
Metals Analysis (ug/L)														
Iron	300	19700	25000	24100	20400	17900	13600	12500	9350	6660	4120	6290	3470	

		MW-24S												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	No Data				JB24380-1	JB31339-2	JB39020-12	JB46946-12	JB56101-5	JB62825-11	No Data	No Data	JD54013-15
Date Sampled						12/19/2012	3/13/2013	6/6/2013	9/10/2013	12/19/2013	3/24/2014			10/21/2022
						Result Q	Result Q	Result Q	Result Q	Result Q	Result Q			Result Q
Metals Analysis (ug/L)														
Iron	300					61000	36000	14500	3090	50300	133000			1740

ND

		MW-26D												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA86145-8	JA99600-4	JB6089-3	JB14495-24	JB24380-5	JB31339-7	JB39234-6	JB47100-9	JB56101-8	JB62930-8	JB70168-2	JB77273-8	JD55285-1
Date Sampled		9/14/2011 Post Treatment	2/16/2012	5/9/2012	8/28/2012	12/19/2012	3/13/2013	6/10/2013	9/11/2013	12/19/2013	3/25/2014	6/24/2014	9/22/2014	11/8/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	52500	4020	2800	4930	6300	3570	1440	1130	1950	2870	814	524	2430

		MW-27S												
Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values	JA86298-4	JA99488-8	JB5987-4	JB14495-25	JB24380-8	JB31339-8	JB39020-16	JB46946-15	JB56101-9	JB62825-15	JB70168-3	JB77273-5	JD54013-18
Date Sampled		9/15/2011 Post Treatment	2/15/2012	5/8/2012	8/28/2012	12/19/2012	3/13/2013	6/6/2013	9/10/2013	12/19/2013	3/24/2014	6/26/2014	9/22/2014	10/21/2022
		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Metals Analysis (ug/L)														
Iron	300	567	6070	3740	281	10700	1840	15200	3850	4140	4950	1600	5570	2120

Lab Sample ID	NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values
Date Sampled	
Metals Analysis (ug/L)	
Iron	300

NS = No Standard
Qualifiers:
< = Analyte not detected at or abouve reporting limit.
J = value estimated

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-7R													
Lab Sample ID	**JA85941-2**		**JA99488-1**		**JB6090-7**		**JB14495-19**		**JB24251-14**		**JB31339-1**		**JB39234-1**	
Date Sampled	**9/12/2011**		**2/15/2012**		**5/9/2012**		**8/28/2012**		**12/18/2012**		**3/13/2013**		**6/10/2013**	
	Post Treatment													
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.15		-		-		-		-		-		-	
Hardness, Total as CaCO3	491		712		-		-		-		-		-	
Nitrogen, Nitrite	<0.050		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	1420		2670		2490		2660		3290		3940		2870	
Alkalinity, Bicarbonate	1420		-		-		-		-		-		-	
Alkalinity, Carbonate	<5.0		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	16.2		23.1		28.0		5.8		32.4		17.6		27.3	
Chloride	138		-		-		-		-		-		-	
Sulfate	10400		13200		12300		10400		7590		4830		4170	

	MW-7R													
Lab Sample ID	**JB47100-1**		**JB56101-1**		**JB62930-1**		**JB70373-3**		**JB77273-4**		**JD54013-1**			
Date Sampled	**9/11/2013**		**12/19/2013**		**3/25/2014**		**6/26/2014**		**9/22/2014**		**10/19/2022**			
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**		
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	-		-		-		-		-		-			
Nitrogen, Nitrate	-		-		-		-		-		-			
Hardness, Total as CaCO3	-		-		-		-		-		-			
Nitrogen, Nitrite	-		-		-		-		-		-			
Alkalinity, Total as CaCO3	3130		2290		3290		2380		1660		383	e		
Alkalinity, Bicarbonate	-		-		-		-		-		-			
Alkalinity, Carbonate	-		-		-		-		-		-			
Iron, Ferric	-		-		-		-		-		1.7	f		
Iron, Ferrous	-		-		-		-		-		0.76			
Sulfide	22.8		21.3		10.6		11.1		6.1		144	g		
Chloride	-		-		-		-		-		-			
Sulfate	4750		3600		2720		1960		2620		<2.0			

	MW-11D													
Lab Sample ID	**JA86145-1**		**JA99361-2**		**JB5986-2**		**JB14495-3**		**JB24251-2**		**JB31021-3**		**JB39020-3**	
Date Sampled	**9/14/2011**		**2/14/2012**		**5/8/2012**		**8/27/2012**		**12/18/2012**		**3/11/2013**		**6/6/2013**	
	Post Treatment													
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-	
Hardness, Total as CaCO3	842		-		-		-		-		-		-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	1280		1440		1390		1490		1370		2270		1810	
Alkalinity, Bicarbonate	1260		-		-		-		-		-		-	
Alkalinity, Carbonate	13.3		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	6.3		3.1		6.9		4.1		13.4		40.0		36.4	
Chloride	300		-		-		-		-		-		-	
Sulfate	3020		2690		2440		1600		1070		927		570	

	MW-11D													
Lab Sample ID	**JB46946-3**		**JB55981-3**		**JB62825-2**				**JB77273-12**		**JD54013-6**			
Date Sampled	**9/10/2013**		**12/18/2013**		**3/24/2014**		**NOT SAMPLED (Semi-Annual Sampling)**		**9/23/2014**		**10/20/2022**			
	Result	**Q**	**Result**	**Q**	**Result**	**Q**			**Result**	**Q**	**Result**	**Q**		
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	-		-		-		-		-		-			
Nitrogen, Nitrate	-		-		-		-		-		-			
Hardness, Total as CaCO3	-		-		-		-		-		-			
Nitrogen, Nitrite	-		-		-		-		-		-			
Alkalinity, Total as CaCO3	1380		1110		1840		-		1290		895	e		
Alkalinity, Bicarbonate	-		-		-		-		-		-			
Alkalinity, Carbonate	-		-		-		-		-		-			
Iron, Ferric	-		-		-		-		-		0.43	f		
Iron, Ferrous	-		-		-		-		-		0.22	g		
Sulfide	24.6		46		15.9		-		11.7		**347**			
Chloride	-		-		-		-		-		-			
Sulfate	300		233		134		-		75.8		<2.0			

	MW-14S (Treatment Zone Well)													
Lab Sample ID	**JA86022-2**		**JA99488-3**		**JB6090-1**		**JB14495-6**		**JB24251-4**		**JB31021-6**		**JB39020-4**	
Date Sampled	**9/13/2011**		**2/15/2012**		**5/9/2012**		**8/27/2012**		**12/18/2012**		**3/11/2013**		**6/6/2013**	
	Post Treatment													
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-	
Hardness, Total as CaCO3	1360		1620		-		-		-		-		-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	1400		1290		1450		1910		1430		1570		1830	
Alkalinity, Bicarbonate	1400		-		-		-		-		-		-	
Alkalinity, Carbonate	<5.0		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	3.7		<2.0		<2.0		<2.0		4.3		<2.0		92.1	
Chloride	54.9		-		-		-		-		-		-	
Sulfate	2680		2980		3270		2180		2550		3750		2710	

	MW-14S (Treatment Zone Well)													
Lab Sample ID	**JB46946-4**		**JB55981-5**		**JB62825-4**		**JB70373-1**		**JB77273-19**					
Date Sampled	**9/10/2013**		**12/18/2013**		**3/24/2014**		**6/26/2014**		**9/24/2014**		**Well Decomissioned**			
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**				
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	-		-		-		-		-					
Nitrogen, Nitrate	-		-		-		-		-					
Hardness, Total as CaCO3	-		-		-		-		-					
Nitrogen, Nitrite	-		-		-		-		-					
Alkalinity, Total as CaCO3	1760		1690		2880		2610		3130					
Alkalinity, Bicarbonate	-		-		-		-		-					
Alkalinity, Carbonate	-		-		-		-		-					
Iron, Ferric	-		-		-		-		-					
Iron, Ferrous	-		-		-		-		-					
Sulfide	<2.0		2.1		2.2		5		<2.0					
Chloride	-		-		-		-		-					
Sulfate	2860		3570		3160		2580		2330					

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-9 (Treatment Zone Well)													
Lab Sample ID	**JA85941-1**	**JA99361-1**	**JB5986-1**	**JB14495-1**	**JB24251-1**	**JB31021-1**	**JB39020-1**	**JB46946-1**	**JB55981-1**	**JB62930-2**	**JB70168-8**	**JB77273-13**	**JD54013-13**	
Date Sampled	**9/12/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/10/2013**	**12/18/2013**	**3/25/2014**	**6/24/2014**	**9/23/2014**	**10/20/2022**	
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	2660	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	846	1540	1760	2690	4220	4640	89.1	4510	3470	4720	3780	4250	881	e
Alkalinity, Bicarbonate	846	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	4.8	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	0.68	g
Sulfide	<2.0	5.8	4.4	11.6	13.4	122	4400	296	54.7	141	101	248	59.9	
Chloride	98.1	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	15300	14100	13900	15600	13400	13800	13700	10500	10900	8470	6470	4420	3.2	

	MW-12D												
Lab Sample ID	**JA86145-4**	**JA99361-3**	**JB5986-3**	**JB14495-4**	**JB24251-13**	**JB31021-4**	**JB39234-2**	**JB47100-2**	**JB56101-2**	**JB62930-3**	**NOT SAMPLED (Semi-Annual Sampling)**	**JB77273-2**	**Well Decomissioned**
Date Sampled	**9/14/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/19/2013**	**3/25/2014**		**9/22/2014**	
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	
General Chemistry (mg/L)													
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	402	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	737	808	716	888	833	1480	817	808	762	1130	-	999	
Alkalinity, Bicarbonate	730	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	7.0	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	<2.0	<2.0	<2.0	<2.0	<2.0	2.5	2.9	<2.0	<2.0	2.4	-	<2.0	
Chloride	530	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	521	457	625	1160	810	777	360	551	1470	1750	-	1830	

	MW-15D													
Lab Sample ID	**JA86022-7**	**JA99361-5**	**JB5986-5**	**JB14495-7**	**JB24251-5**	**JB31021-7**	**JB39020-5**	**JB46946-5**	**JB55981-6**	**JB62825-5**	**JB77273-20**	**JB77273-20**	**JD54013-21**	
Date Sampled	**9/13/2011 Post Treatment**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**9/24/2014**	**9/24/2014**	**10/21/2022**	
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	2660	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1680	3770	3730	3880	3920	3460	3220	3300	2960	4260	3930	3930	1380	e
Alkalinity, Bicarbonate	1680	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	6.6	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	0.67	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	81.3	56.8	87.0	44.0	93.9	49.4	142	182	250	268	292	292	214	
Chloride	98.1	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	5610	11900	11000	12500	11300	6500	7050	7160	7330	5990	6780	6780	3	

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-10 (Treatment Zone Well)													
Lab Sample ID	**JA86022-4**	**JA99488-2**	**JB6090-5**	**JB14495-2**	**JB24346-1**	**JB31021-2**	**JB39020-2**	**JB46946-2**	**JB55981-2**	**JB62825-1**		**JB77273-17**	**JD54013-11**	
Date Sampled	**9/13/2011**	**2/15/2012**	**5/9/2012**	**8/27/2012**	**12/19/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED (Semi-Annual Sampling)**	**9/23/2014**	**10/20/2022**	
	Post Treatment													
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	1680	1290	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1300	1490	1670	1760	1360	3070	1740	1610	1650	2230	-	1610	1730	e
Alkalinity, Bicarbonate	1300	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	2.3	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	308	4.4	171	11.8	4.4	10.5	4.4	4.1	3.3	3.1	-	4.3	**994**	
Chloride	168	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	9910	7520	8780	8760	8280	7690	7840	6490	6750	5140	-	4720	6.1	

	MW-13S (Treatment Zone Well)												
Lab Sample ID	**JA86022-1**	**JA99361-4**	**JB5986-4**	**JB14495-5**	**JB24251-3**	**JB31021-5**	**JB39234-3**	**JB47100-3**	**JB55981-4**	**JB62825-3**		**JB77273-10**	
Date Sampled	**9/13/2011**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED (Semi-Annual Sampling)**	**9/23/2014**	**Well Decomissioned**
	Post Treatment												
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	
General Chemistry (mg/L)													
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	1260	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1330	2250	1800	2620	2050	892	423	1750	1780	1390	-	1140	
Alkalinity, Bicarbonate	1320	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	<5.0	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	<2.0	14.1	13.4	16.7	14.1	4.8	<2.0	2.7	37.3	17.0	-	29.8	
Chloride	58.0	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	1190	3520	1170	1660	756	1010	905	474	455	443	-	180	

	MW-16S (Treatment Zone Well)													
Lab Sample ID	**JA85941-4**	**JA99361-6**	**JB5986-6**	**JB14495-8**	**JB24251-6**	**JB31021-8**	**JB39020-6**	**JB46946-6**	**JB55981-7**	**JB62930-4**	**JB70168-7**	**JB77273-15**	**JD54013-2**	
Date Sampled	**9/12/2011**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/25/2014**	**6/24/2014**	**9/23/2014**	**10/19/2022**	
	Post Treatment													
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	2280	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	0.055	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1580	2420	2180	2140	1220	1910	1180	1820	991	1760	2630	3330	434	e
Alkalinity, Bicarbonate	1580	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	0.85	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	0.56	g
Sulfide	38.8	88.0	113	23.0	43.2	28.4	34.4	28	22.1	35.1	37.4	148	80.6	
Chloride	144	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	5320	7850	2500	6010	633	5520	2840	5240	1470	2460	4550	5560	4.1	

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-17S (Treatment Zone Well)													
Lab Sample ID	**JA86145-5**	**JA99361-7**	**JB6090-3**	**JB14495-9**	**JB24251-7**	**JB31021-9**	**JB39020-7**	**JB46946-7**	**JB55981-8**	**JB62825-6**			**JD54013-5**	
Date Sampled	**9/14/2011**	**2/14/2012**	**5/9/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**Well Decomissioned**	**Well Decomissioned**	**10/20/2022**	
	Post Treatment													
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	9.5	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	9.5	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	711	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	0.023	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	348	478	343	384	288	207	229	4130	837	1180	-	-	555	e
Alkalinity, Bicarbonate	348	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	<5.0	-	-	-	-	-	-	-		-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	0.85f	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	14.3	3.4	-	-	102	
Chloride	14.4	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	623	786	720	981	815	898	1060	1830	580	1670	-	-	3.5	

	MW-20S (Treatment Zone Well)													
Lab Sample ID	**JA86022-5**	**JA99361-9**	**JB5986-8**	**JB14495-12**	**JB24251-10**	**JB31021-12**	**JB39020-9**	**JB46946-9**	**JB55981-11**	**JB62825-9**	**JB70168-6**	**JB77273-9**	**JD54013-20**	
Date Sampled	**9/13/2011**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/10/2013**	**12/18/2013**	**3/24/2014**	**6/24/2014**	**9/23/2014**	**10/21/2022**	
	Post Treatment													
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	304	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	0.041	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1940	2350	1490	2180	1530	1700	1080	1830	792	762	880	2990	690	e
Alkalinity, Bicarbonate	1920	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	19.4	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	0.53	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	66.6	12.4	2.0	15.0	59.4	4.4	4	14.6	<2.0	9.8	<2.0	232	**304**	
Chloride	28.7	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	248	529	1260	79.1	1080	619	589	3990	1490	913	355	720	2.5	

	MW-23S (Treatment Zone Well)												
Lab Sample ID	**JA86145-3**	**JA99361-10**	**JB6090-8**	**JB14495-15**	**JB24251-12**	**JB31021-15**	**JB39020-11**	**JB47100-6**	**JB56101-4**	**JB62930-6**			
Date Sampled	**9/14/2011**	**2/14/2012**	**5/9/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/6/2013**	**9/11/2013**	**12/19/2013**	**3/25/2014**	**Well Decomissioned**	**Well Decomissioned**	**Well Decomissioned**
	Post Treatment												
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			
General Chemistry (mg/L)													
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-
Hardness, Total as CaCO3	341	-	-	-	-	-	-	-	-	-	-	-	-
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity, Total as CaCO3	562	840	766	877	312	406	583	1050	649	505	-	-	-
Alkalinity, Bicarbonate	560	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity, Carbonate	<5.0	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	3.7	8.0	3.7	3.9	<2.0	9.5	5.0	10.9	<2.0	<2.0	-	-	-
Chloride	6.5	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	163	286	313	146	1190	864	730	183	1080	527	-	-	-

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-18D												
Lab Sample ID	**JA86145-2**	**JA99361-8**	**JB5986-7**	**JB14495-10**	**JB24251-8**	**JB31021-10**	**JB39234-4**	**JB47100-4**	**JB55981-9**	**JB62825-7**		**JB77273-14**	
Date Sampled	**9/14/2011**	**2/14/2012**	**5/8/2012**	**8/27/2012**	**12/18/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED (Semi-Annual Sampling)**	**9/23/2014**	**Well Decomissioned**
	Post Treatment												
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	
General Chemistry (mg/L)													
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	832	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1240	1650	1630	1880	2050	2580	1930	1990	2070	3360	-	1810	
Alkalinity, Bicarbonate	1230	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	6.4	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	13.2	14.7	18.6	2.1	27.0	26.3	20.8	20.4	23	24.5	-	2.6	
Chloride	61.4	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	1410	1930	2830	3010	3650	3240	1990	1420	1660	1320	-	696	

	MW-21S (Treatment Zone Well)													
Lab Sample ID	**JA85941-3**	**JA99488-5**	**JB6090-6**	**JB14495-13**	**JB24380-11**	**JB31021-13**	**JB39234-5**	**JB47100-5**	**JB56101-3**	**JB62930-5**		**JB77273-1**	**JD54013-7**	
Date Sampled	**9/12/2011**	**2/15/2012**	**5/9/2012**	**8/27/2012**	**12/19/2012**	**3/11/2013**	**6/10/2013**	**9/11/2013**	**12/19/2013**	**3/25/2014**	**NOT SAMPLED (Semi-Annual Sampling)**	**9/22/2014**	**10/20/2022**	
	Post Treatment													
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	187	395	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	0.038	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1170	1630	1340	1730	418	918	986	2300	447	513	-	1010	181	e
Alkalinity, Bicarbonate	1140	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	29.6	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	1.7	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	13.9	68.1	15.2	26.8	4.1	45.2	34.4	11	<2.0	5.1	-	34.3	38.2	
Chloride	29.1	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	120	65.6	400	135	1470	1000	622	176	1890	697	-	114	<2.0	

	MW-24D								
Lab Sample ID	**JB24380-2**	**JB31339-3**	**JB39020-13**	**JB46946-11**	**JB56101-6**	**JB62825-12**			**JD54013-12**
Date Sampled	**12/19/2012**	**3/13/2013**	**6/6/2013**	**9/10/2013**	**12/19/2013**	**3/24/2014**	**NOT SAMPLED (Annual Sampling)**	**NOT SAMPLED (Annual Sampling)**	**10/20/2022**
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			**Result Q**
General Chemistry (mg/L)									
Nitrogen, Nitrate + Nitrite	-	-	-	-	-	-	-	-	-
Nitrogen, Nitrate	-	-	-	-	-	-	-	-	-
Hardness, Total as CaCO3	-	-	-	-	-	-	-	-	-
Nitrogen, Nitrite	-	-	-	-	-	-	-	-	-
Alkalinity, Total as CaCO3	347	506	464	428	456	514	-	-	558 e
Alkalinity, Bicarbonate	-	-	-	-	-	-	-	-	-
Alkalinity, Carbonate	-	-	-	-	-	-	-	-	-
Iron, Ferric	-	-	-	-	-	-	-	-	<0.30 f
Iron, Ferrous	-	-	-	-	-	-	-	-	<0.20 g
Sulfide	5.1	6.5	6.1	3.6	3.8	3.5	-	-	25.6
Chloride	-	-	-	-	-	-	-	-	-
Sulfate	116	194	189	172	138	111	-	-	3.8

No Data

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-19D													
Lab Sample ID	**JA86022-6**		**JA99488-4**		**JB6090-4**		**JB14495-11**		**JB24251-9**		**JB31021-11**		**JB39020-8**	
Date Sampled	**9/13/2011 Post Treatment**		**2/15/2012**		**5/9/2012**		**8/27/2012**		**12/18/2012**		**3/11/2013**		**6/6/2013**	
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-	
Hardness, Total as CaCO3	640		1440		-		-		-		-		-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	1950		4540		4290		3810		309		3380		719	
Alkalinity, Bicarbonate	1900		-		-		-		-		-		-	
Alkalinity, Carbonate	43.9		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	152		568		518		333		33.7		511		21.3	
Chloride	713		-		-		-		-		-		-	
Sulfate	1940		7410		6210		8050		1210		4970		799	

	MW-19D									
Lab Sample ID	**JB46946-8**		**JB55981-10**		**JB62825-8**			**JB77273-18**		**JD54013-10**	
Date Sampled	**9/10/2013**		**12/18/2013**		**3/24/2014**		**NOT SAMPLED (Semi-Annual Sampling)**	**9/24/2014**		**10/20/2022**	
	Result	**Q**	**Result**	**Q**	**Result**	**Q**		**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)											
Nitrogen, Nitrate + Nitrite	-		-		-		-	-		-	
Nitrogen, Nitrate	-		-		-		-	-		-	
Hardness, Total as CaCO3	-		-		-		-	-		-	
Nitrogen, Nitrite	-		-		-		-	-		-	
Alkalinity, Total as CaCO3	3330		202		1170		-	1150		459	e
Alkalinity, Bicarbonate	-		-		-		-	-		-	
Alkalinity, Carbonate	-		-		-		-	-		-	
Iron, Ferric	-		-		-		-	-		0.39	f
Iron, Ferrous	-		-		-		-	-		<0.20	g
Sulfide	61.8		<2.0		177		-	38.6		6.3	
Chloride	-		-		-		-	-		-	
Sulfate	5630		1500		1830		-	473		5.4	

	MW-22D													
Lab Sample ID	**JA86022-3**		**JA99488-6**		**JB6090-2**		**JB14495-14**		**JB24251-11**		**JB31021-14**		**JB39020-10**	
Date Sampled	**9/13/2011 Post Treatment**		**2/15/2012**		**5/9/2012**		**8/27/2012**		**12/18/2012**		**3/11/2013**		**6/6/2013**	
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-	
Hardness, Total as CaCO3	514		658		-		-		-		-		-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	769		729		691		747		747		789		767	
Alkalinity, Bicarbonate	762		-		-		-		-		-		-	
Alkalinity, Carbonate	6.2		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	<2.0		<2.0		<2.0		<2.0				<2.0		2.7	
Chloride	556		-		-		-		-		-		-	
Sulfate	795		717		784		1080		918		1050		1060	

	MW-22D									
Lab Sample ID	**JB46946-10**		**JB55981-12**		**JB62930-5**		**JB70373-2**		**JB77273-3**		**Well Decomissioned**
Date Sampled	**9/10/2013**		**12/18/2013**		**3/25/2014**		**6/26/2014**		**9/22/2014**		
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	
General Chemistry (mg/L)											
Nitrogen, Nitrate + Nitrite	-		-		-		-		-		
Nitrogen, Nitrate	-		-		-		-		-		
Hardness, Total as CaCO3	-		-		-		-		-		
Nitrogen, Nitrite	-		-		-		-		-		
Alkalinity, Total as CaCO3	755		552		513		895		889		
Alkalinity, Bicarbonate	-		-		-		-		-		
Alkalinity, Carbonate	-		-		-		-		-		
Iron, Ferric	-		-		-		-		-		
Iron, Ferrous	-		-		-		-		-		
Sulfide	<2.0		<2.0		5.1		<2.0		<2.0		
Chloride	-		-		-		-		-		
Sulfate	973		880		697		784		728		

	MW-24S													
Lab Sample ID			**JB24380-1**		**JB31339-2**		**JB39020-12**		**JB46946-12**		**JB56101-5**		**JB62825-11**	
Date Sampled			**12/19/2012**		**3/13/2013**		**6/6/2013**		**9/10/2013**		**12/19/2013**		**3/24/2014**	
			Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite			-		-		-		-		-		-	
Nitrogen, Nitrate			-		-		-		-		-		-	
Hardness, Total as CaCO3			-		-		-		-		-		-	
Nitrogen, Nitrite	**No Data**		-		-		-		-		-		-	
Alkalinity, Total as CaCO3			557		498		422		451		302		475	
Alkalinity, Bicarbonate			-		-		-		-		-		-	
Alkalinity, Carbonate			-		-		-		-		-		-	
Iron, Ferric			-		-		-		-		-		-	
Iron, Ferrous			-		-		-		-		-		-	
Sulfide			13.7		7.2		6.1		4.7		3.9		24.3	
Chloride			-		-		-		-		-		-	
Sulfate			157		244		189		203		164		163	

	MW-24S					
Lab Sample ID		**NOT SAMPLED (Annual Sampling)**		**NOT SAMPLED (Annual Sampling)**		**JD54013-15**
Date Sampled						**10/21/2022**
						Result	**Q**
General Chemistry (mg/L)						
Nitrogen, Nitrate + Nitrite		-		-		-	
Nitrogen, Nitrate		-		-		-	
Hardness, Total as CaCO3		-		-		-	
Nitrogen, Nitrite		-		-		-	
Alkalinity, Total as CaCO3		-		-		569	e
Alkalinity, Bicarbonate		-		-		-	
Alkalinity, Carbonate		-		-		-	
Iron, Ferric		-		-		1.7	f
Iron, Ferrous		-		-		<0.20	g
Sulfide		-		-		68.7	
Chloride		-		-		-	
Sulfate		-		-		<2.0	

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-25D													
Lab Sample ID	**JA86298-3**	**JA99600-2**	**JB5987-3**	**JB14495-22**	**JB24380-4**	**JB31339-5**	**JB39020-15**	**JB47100-7**	**JB55981-14**	**JB62825-14**			**JD54013-17**	
Date Sampled	**9/15/2011**	**2/16/2012**	**5/8/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/6/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**	**NOT SAMPLED (Annual Sampling)**	**NOT SAMPLED (Annual Sampling)**	**10/21/2022**	
	Post Treatment Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**			**Result**	**Q**
General Chemistry (mg/L)																								
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-		-		-		-				-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-		-		-		-				-	
Hardness, Total as CaCO3	898		1440		-		-		-		-		-		-		-		-				-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-		-		-		-				-	
Alkalinity, Total as CaCO3	3550		2930		2820		2130		1050		902		1040		959		686		693				381	e
Alkalinity, Bicarbonate	3500		-		-		-		-		-		-		-		-		-				-	
Alkalinity, Carbonate	46.5		-		-		-		-		-		-		-		-		-				-	
Iron, Ferric	-		-		-		-		-		-		-		-		-		-				0.79	f
Iron, Ferrous	-		-		-		-		-		-		-		-		-		-				<0.20	g
Sulfide	49.4		195		62.0		28.9		6.5		2.2		6.3		2.6		2.6		3.2				**1090**	
Chloride	2620		-		-		-		-		-		-		-		-		-				-	
Sulfate	5860		4550		4000		3540		1750		1850		2010		1690		1670		1580				<2.0	

	MW-26S													
Lab Sample ID	**JA86145-9**	**JA99600-3**	**JB6089-2**	**JB14495-23**	**JB24380-6**	**JB31339-6**	**JB39234-7**	**JB46946-13**	**JB56101-7**	**JB62930-7**	**JB70168-1**	**JB77273-7**	**JD54013-22**	
Date Sampled	**9/14/2011**	**2/16/2012**	**5/9/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/10/2013**	**9/10/2013**	**12/19/2013**	**3/25/2014**	**6/24/2014**	**9/22/2014**	**10/21/2022**	
	Post Treatment Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)																								
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.15		-		-		-		-		-		-		-		-		-		-		-	
Hardness, Total as CaCO3	1500		1270		1320		-		-		-		-		-		-		-		-		-	
Nitrogen, Nitrite	<0.050		-		-		-		-		-		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	2830		4300		3840		3270		3290		2370		3220		2810		2150		2960		2810		2980		1190	e
Alkalinity, Bicarbonate	2820		-		-		-		-		-		-		-		-		-		-		-		-	
Alkalinity, Carbonate	14.9		-		-		-		-		-		-		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-		-		-		-		-		-		1.2	f
Iron, Ferrous	-		-		-		-		-		-		-		-		-		-		-		-		<0.20	g
Sulfide	159		83.0		146		177		310		126		202		17.6		165		222		215		238		4.6	
Chloride	392		-		-		-		-		-		-		-		-		-		-		-		-	
Sulfate	5890		4900		2800		1900		1510		1350		2140		2250		1280		2010		2260		1910		6.5	

	MW-30D													
Lab Sample ID	**JA86429-6**	**JA99600-6**	**JB7215-2**	**JB14495-28**	**JB24380-10**	**JB31339-11**	**JB39234-9**	**JB47100-10**	**JB56101-12**	**JB62930-10**		**JB77273-16**	**JD54013-9**	
Date Sampled	**9/16/2011**	**2/16/2012**	**5/23/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/10/2013**	**9/11/2013**	**12/19/2013**	**3/25/2014**	**NOT SAMPLED (Semi-Annual Sampling)**	**9/23/2014**	**10/20/2022**	
	Post Treatment Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)																								
Nitrogen, Nitrate + Nitrite	0.34		-		-		-		-		-		-		-		-		-		-		-	
Nitrogen, Nitrate	0.33		-		-		-		-		-		-		-		-		-		-		-	
Hardness, Total as CaCO3	940		1850		-		-		-		-		-		-		-		-		-		-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	1190		1370		320		588		1990		3150		541		3130		3240		3590		-		3560		550	e
Alkalinity, Bicarbonate	1190		-		-		-		-		-		-		-		-		-		-		-		-	
Alkalinity, Carbonate	<5.0		-		-		-		-		-		-		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-		-		-		-		-		-		1.8f	f
Iron, Ferrous	-		-		-		-		-		-		-		-		-		-		-		-		0.28	g
Sulfide	<2.0		4.7		<2.0		<2.0		3.1		3.6		<2.0		2.7		<2.0		2.7		-		2.2		20.2	
Chloride	227		-		-		-		-		-		-		-		-		-		-		-		-	
Sulfate	102		1860		475		3070		10100		13500		530		12300		6470		5450		-		3810		5.8	

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-25S													
Lab Sample ID	**JA86298-2**	**JA99600-1**	**JB5987-2**	**JB14495-21**	**JB24380-3**	**JB31339-4**	**JB39020-14**	**JB47100-8**	**JB55981-13**	**JB62825-13**	**NOT SAMPLED (Annual Sampling)**	**NOT SAMPLED (Annual Sampling)**	**JD54013-16**	
Date Sampled	**9/15/2011 Post Treatment**	**2/16/2012**	**5/8/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/6/2013**	**9/11/2013**	**12/18/2013**	**3/24/2014**			**10/21/2022**	
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**			**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.11	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	533	1230	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.010	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	2050	2550	1950	1830	899	810	1330	928	670	1280	-	-	376	e
Alkalinity, Bicarbonate	2030	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	20.0	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	4.1	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	39.3	82.0	30.5	10.5	2.8		5.1	<2.0	<2.0	5.7	-	-	**765**	
Chloride	1430	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	1200	1140	1380	1430	1580	1700	1150	1300	1510	1070	-	-	<2.0	

	MW-27D													
Lab Sample ID	**JA86298-5**	**JA99488-9**	**JB6089-1**	**JB14495-26**	**JB24380-7**	**JB31339-9**	**JB39020-17**	**JB46946-14**	**JB56101-10**	**JB62825-16**	**JB70168-4**	**JB77273-6**	**JD54013-19**	
Date Sampled	**9/15/2011 Post Treatment**	**2/15/2012**	**5/9/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/6/2013**	**9/10/2013**	**12/19/2013**	**3/24/2014**	**6/24/2014**	**9/22/2014**	**10/21/2022**	
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.12	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	510	790	1070	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	0.041	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	3160	4080	4220	3080	3650	3570	2950	2850	3140	3290	2830	2870	1660	e
Alkalinity, Bicarbonate	3090	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	69.6	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	0.58	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	232	458	404	285	364	316	315	228	293	361	272	351	4.7	
Chloride	481	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	1420	1030	1510	1850	1660	1190	1110	1080	632	956	786	731	<2.0	

	MW-30S													
Lab Sample ID	**JA86298-7**	**JA99600-5**	**JB7215-1**	**JB14495-27**	**JB24380-9**	**JB31339-10**	**JB39234-8**	**JB47195-1**	**JB56101-11**	**JB62930-9**	**NOT SAMPLED (Semi-Annual Sampling)**	**JB77273-11**	**JD54013-8**	
Date Sampled	**9/15/2011 Post Treatment**	**2/16/2012**	**5/23/2012**	**8/28/2012**	**12/19/2012**	**3/13/2013**	**6/10/2013**	**9/12/2013**	**12/19/2013**	**3/25/2014**		**9/23/2014**	**10/20/2022**	
	Result Q	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**		**Result Q**	**Result Q**	
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrate	<0.15	-	-	-	-	-	-	-	-	-	-	-	-	
Hardness, Total as CaCO3	327	273	-	-	-	-	-	-	-	-	-	-	-	
Nitrogen, Nitrite	<0.050	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Total as CaCO3	1640	1600	1400	1320	2210	2000	3320	1080	630	615	-	974	359	e
Alkalinity, Bicarbonate	1530	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity, Carbonate	109	-	-	-	-	-	-	-	-	-	-	-	-	
Iron, Ferric	-	-	-	-	-	-	-	-	-	-	-	-	2	f
Iron, Ferrous	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	g
Sulfide	35.7	3.3	<2.0	2.9	<2.0		8.9	<2.0	<2.0	<2.0	-	2.2	199	
Chloride	34.8	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	1580	518	478	494	798	1200	530	552	564	903	-	228	2.1	

Table 3
Consecutive Analytical Results By Well
Volatile Organic Compounds
BCP Site Number C24087
Parcel 8, Long Island City, NY

	MW-26D													
Lab Sample ID	**JA86145-8**		**JA99600-4**		**JB6089-3**		**JB14495-24**		**JB24380-5**		**JB31339-7**		**JB39234-6**	
Date Sampled	**9/14/2011 Post Treatment**		**2/16/2012**		**5/9/2012**		**8/28/2012**		**12/19/2012**		**3/13/2013**		**6/10/2013**	
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-	
Hardness, Total as CaCO3	1580		1110		1370		-		-		-		-	
Nitrogen, Nitrite	<0.010		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	1210		1620		2730		2320		2650		587		2620	
Alkalinity, Bicarbonate	1190		-		-		-		-		-		-	
Alkalinity, Carbonate	13.5		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	3.6		5.9		31.2		18.1		15.8		128		108	
Chloride	3030		-		-		-		-		-		-	
Sulfate	1400		1020		1220		1310		1030		760		1810	

	MW-26D													
Lab Sample ID	**JB47100-9**		**JB56101-8**		**JB62930-8**		**JB70168-1**		**JB77273-8**		**JD55285-1**			
Date Sampled	**9/11/2013**		**12/19/2013**		**3/25/2014**		**6/24/2014**		**9/22/2014**		**11/8/2022**			
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**		
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	-		-		-		-		-		-			
Nitrogen, Nitrate	-		-		-		-		-		-			
Hardness, Total as CaCO3	-		-		-		-		-		-			
Nitrogen, Nitrite	-		-		-		-		-		-			
Alkalinity, Total as CaCO3	961		2090		41.5		2810		2670		1580	b		
Alkalinity, Bicarbonate	-		-		-		-		-		-			
Alkalinity, Carbonate	-		-		-		-		-		-			
Iron, Ferric	-		-		-		-		-		1.7	c		
Iron, Ferrous	-		-		-		-		-		0.73	d		
Sulfide	26.1		70		<2.0		215		87.0		254			
Chloride	-		-		-		-		-		-			
Sulfate	1760		1240		44.3		2260		2200		<2.0			

	MW-27S													
Lab Sample ID	**JA86298-4**		**JA99488-8**		**JB5987-4**		**JB14495-25**		**JB24380-8**		**JB31339-8**		**JB39020-16**	
Date Sampled	**9/15/2011 Post Treatment**		**2/15/2012**		**5/8/2012**		**8/28/2012**		**12/19/2012**		**3/13/2013**		**6/6/2013**	
	Result	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	<0.10		-		-		-		-		-		-	
Nitrogen, Nitrate	<0.11		-		-		-		-		-		-	
Hardness, Total as CaCO3	295		585		-		-		-		-		-	
Nitrogen, Nitrite	0.014		-		-		-		-		-		-	
Alkalinity, Total as CaCO3	2850		2640		1220		3130		2640		2840		2240	
Alkalinity, Bicarbonate	2740		-		-		-		-		-		-	
Alkalinity, Carbonate	112		-		-		-		-		-		-	
Iron, Ferric	-		-		-		-		-		-		-	
Iron, Ferrous	-		-		-		-		-		-		-	
Sulfide	52.9		130		59.0		208		68.4		94.6		153	
Chloride	176		-		-		-		-		-		-	
Sulfate	635		1400		1230		699		895		1220		1150	

	MW-27S													
Lab Sample ID	**JB46946-15**		**JB56101-9**		**JB62825-15**		**JB70168-3**		**JB77273-5**		**JD54013-18**			
Date Sampled	**9/10/2013**		**12/19/2013**		**3/24/2014**		**6/24/2014**		**9/22/2014**		**10/21/2022**			
	Result	**Q**	**Result**	**Q**	**Result**	**Q**			**Result**	**Q**	**Result**	**Q**		
General Chemistry (mg/L)														
Nitrogen, Nitrate + Nitrite	-		-		-		-		-		-			
Nitrogen, Nitrate	-		-		-		-		-		-			
Hardness, Total as CaCO3	-		-		-		-		-		-			
Nitrogen, Nitrite	-		-		-		-		-		-			
Alkalinity, Total as CaCO3	2160		2600		2880		1550		1280		740	e		
Alkalinity, Bicarbonate	-		-		-		-		-		-			
Alkalinity, Carbonate	-		-		-		-		-		-			
Iron, Ferric	-		-		-		-		-		1.9	f		
Iron, Ferrous	-		-		-		-		-		0.26	g		
Sulfide	26.1		173		167		58.7		33.0		70.9			
Chloride	-		-		-		-		-		-			
Sulfate	1050		637		861		643		549		<2.0			

Lab Sample ID	
Date Sampled	
General Chemistry (mg/L)	
Nitrogen, Nitrate + Nitrite	
Nitrogen, Nitrate	
Hardness, Total as CaCO3	
Nitrogen, Nitrite	
Alkalinity, Total as CaCO3	
Alkalinity, Bicarbonate	
Alkalinity, Carbonate	
Iron, Ferric	
Iron, Ferrous	
Sulfide	
Chloride	
Sulfate	

Attachment A
Data Usability Summary Report

Fleming Lee Shue

Queens West Parcel 8
Brownfield Cleanup Program
Site No. C241087

DATA USABILITY SUMMARY REPORT (DUSR)

Prepared for

Queens West Development Corporation
633 Third Avenue
New York, New York 10017

Submitted to

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York, 12233-7016

by

Fleming Lee Shue

158 West 29th Street
New York, New York, 10001

December 2022

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ATTACHMENTS

Appendix A QC Summary Sheets

INTRODUCTION

A Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data with the primary objective to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.

This DUSR was conducted based on standard practice regulatory guidance documents, including New York State Department of Conservation (NYSDEC), June 1999, for technical review of analytical data in lieu of a full third-party data validation and the Analytical Service Protocol (ASP) for technical review of analytical data.

1.1 Project Information

Project Name	Parcel 8
Laboratory	SGS – Accutest Laboratories, Dayton, NJ
SDGs	JD54013; JD55285
Sample Summary	21 groundwater samples collected including one (1) field duplicates. Two (2) trip blanks and two (2) field blanks included as well. Collected in six days 10/19 – 10/21 and 11/9.
Analytical Methods	Target Compound List (TCL) MS Volatiles by SW846 8260C; TCL Semi-Volatiles 8270E GC Volatiles by Method RSK-175 General Chemistry by EPA 300/SW846; 353.2/LACHAT

2.0 DUSR QUESTIONS

1. *Is the data package complete as defined under the requirements for the most current NYSDEC ASP Category B or USEPA CLP deliverables?*
   Yes.

2. *Have all holding times been met?*
   Yes, with the exception of two improperly preserved samples which reported some compounds from batches analyzed outside of hold time. Non-detect results from these batches were rejected. Discussed more in Section 5.

3. *Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?*
   Yes. Some QC exceptions resulted in qualification of data as noted in Table 2 and Section 5. All data are considered usable with the exception of some select samples which had non-detect results reported out-of-hold (Section 5).

4. *Have all of the data been generated using established and agreed upon analytical protocols?*
   Yes.

5. *Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?*
   Yes. The raw data was reviewed to verify that detected results met retention time and mass spectral criteria.

6. *Have the correct data qualifiers been used and are they consistent with the most current NYSDEC ASP?*

   Yes. The laboratory generally used the correct data qualifiers in reporting results. Data validation resulted in some updated qualifiers as shown in Table 2 and discussed in Section 5.

7. *Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?*

   Yes. QC exceedances are specified in the Method Specific Data Validation section (Section 5). Corresponding samples were qualified and all data are considered usable with the exception of some non-detect compounds reported outside of hold. QC Summary sheets have been attached.

3.0 SAMPLE & ANALYSES SUMMARY

This section summarizes the Sample Delivery Groups (SDGs), sample descriptions and analytical parameters.

3.1 Sample Delivery Group Information

Table 1. Sample Descriptions and Validated Analyses

Sample ID	Lab ID	Sample Type	Collection Date	Matrix	Analyses
JD54013					
MW-7R	JD54013-1	Field	10/19/2022	GW	TCL VOCs by Method 8260C SVOCS by Method 8270E
MW-16(S)	JD54013-2	Field	10/19/2022	GW	TCL VOCs by Method 8260C
FB-1	JD54013-3	Field Blank	10/19/2022	AQ	TCL VOCs by Method 8260C
TB-1	JD54013-4	Trip Blank	10/19/2022	AQ	TCL VOCs by Method 8260C
MW-17(S)	JD54013-5	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-11(D)	JD54013-6	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-21(S)	JD54013-7	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-30(S)	JD54013-8	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-30(D)	JD54013-9	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-19(D)	JD54013-10	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-10	JD54013-11	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-24(D)	JD54013-12	Field	10/20/2022	GW	TCL VOCs by Method 8260C

MW-9	JD54013-13	Field	10/20/2022	GW	TCL VOCs by Method 8260C
MW-9 DUP	JD54013-14	Field Duplicate	10/20/2022	GW	TCL VOCs by Method 8260C
MW-24(S)	JD54013-15	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-25(S)	JD54013-16	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-25(D)	JD54013-17	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-27(S)	JD54013-18	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-27(D)	JD54013-19	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-20(S)	JD54013-20	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-15(D)	JD54013-21	Field	10/21/2022	GW	TCL VOCs by Method 8260C
MW-26(S)	JD54013-22	Field	10/21/2022	GW	TCL VOCs by Method 8260C
JD55285-1					
MW-26(D)	JD55285-1	Field	11/8/2022	GW	TCL VOCs by Method 8260C
TRIP BLANK	JD55285-2	Trip Blank	11/8/2022	AQ	TCL VOCs by Method 8260C

3.2 Analytical Methods

Trace Volatile Organic Compounds analyzed by EPA Method 8260C Gas Chromatography/Mass Spectrometry (GC/MS). Semi-Volatile Organic Compounds analyzed by EPA Method 8270E. RSK-175 volatile organic compounds and general chemistry parameters were also analyzed, but not validated as a part of this review.

4.0 DATA VALIDATION SUMMARY

The following is a summary of data validation actions for this project. Provided below are the qualifier definitions.

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Table 2 -Summary of Data Validation Actions

Sample ID	Analyte	Qualifier	Notes
MW-26(S)	Chloroform	J	%Rec in CCV outside of limits. Biased low.
MW-10 MW-24(D) MW-30(S) MW-9 MW-9 DUP	Acetone Chloromethane Vinyl Chloride 1,2-Dichloropropane 2-Butanone	UJ	%D in CCV outside of limits.

MW-26(S) MW-20(S) MW-15(D) MW-27(D)	1,4-Dioxane Chloroethane Bromomethane	UJ	%D in CCV outside of limits.
FB-1 MW-16(S) MW-7R	Chloroethane Vinyl chloride	UJ	%D in CCV outside of limits.
MW-7R TB-1	Bromomethane Chloromethane Chloroethane Vinyl chloride	UJ	%D in CCV outside of limits.
Trip Blank MW-26(D)	Acetone	UJ	%D in CCV outside of limits.
MW-15(D) MW-24(S) MW-25(D)	1,1-Dichloroethene Dichlorodifluoromethane o-Xylene	UJ	%D in CCV outside of limits.
MW-25(S) MW-26(S) MW-27(S)	Trans-1,2-dichloroethene	UJ	LCS %REC low and affected samples non-detect.
MW-15(D) MW-20(S) MW-26(S) MW-27(D)	1,4-Dioxane	UJ	LCS %REC low and affected samples non-detect.
MW-7R	Benzene Toluene	J	% Rec in MS and MSD low.
MW-15(D)	Benzene	J	% Rec in MS and MSD low.

MW-25(S) MW-26(S) MW-27(S)	Benzene	J	% Rec in MS and MSD low.
MW-26(D)	Isopropylbenzene	J	Reported result less than the RL.
MW-11(D)	Methylcyclohexane Cyclohexane Carbon disulfide	J	Reported result less than the RL.
MW-15(D)	Methylcyclohexane Cyclohexane Carbon disulfide	J	Reported result less than the RL.
MW-16(S)	Methylcyclohexane	J	Reported result less than the RL.
MW-17(S)	Carbon Disulfide	J	Reported result less than the RL.
MW-19(D)	Methylcyclohexane Cyclohexane Acetone Carbon disulfide	J	Reported result less than the RL.
MW-20(S)	Toluene Carbon disulfide	J	Reported result less than the RL.
MW-21(S)	Methylcyclohexane Cyclohexane Carbon disulfide	J	Reported result less than the RL.
MW-24(D)	Isopropylbenzene	J	Reported result less than the RL.
MW-25(D)	Methyl Tert Butyl Ether	J	Reported result less than the RL.

MW-27(D)	Carbon disulfide	J	Reported result less than the RL.
MW-30(D)	Methylcyclohexane Cyclohexane Acetone Carbon disulfide	J	Reported result less than the RL.
MW-30S	Isopropylbenzene	J	Reported result less than the RL.
MW-7R	Methylcyclohexane Cyclohexane	J	Reported result less than the RL.
MW-9 DUP	Isopropylbenzene	J	Reported result less than the RL.
MW-7R MW-16(S) FB-1 MW-11(D) MW-21(S) MW-30(S) MW-30(D) MW-19(D) MW-24(D) MW-9 MW-9 DUP MW-10	4-Chloroaniline	UJ	%D in CCV outside limits. Sample biased low.
MW-10 MW-11(D) MW-16(S) MW-30(D) MW-7R MW-9 DUP MW-9	Phenol	J	%D in CCV outside limits. Sample biased low.

FB-1 MW-10 MW-17(S) MW-19(D) MW-24(D) MW-30(D) MW-30(S)	2,4-Dimethylphenol	UJ	RPD between LCS and LCSD outside of limits. Sample non-detect.
MW-11(D) MW-16(S) MW-21(S) MW-7R MW-9 DUP MW-9	2,4-Dimethylphenol	J	RPD between LCS and LCSD outside of limits. Sample detected.
MWR-7R	2,4-Dimethylphenol Acenaphthene Carbazole 2-Methylnaphthalene Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-19(D)	Acenaphthene Carbazole Naphthalene 2-Methylnaphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-10	Dibenzofuran Acenaphthene Phenanthrene Fluorene 2-Methylnaphthalene Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-9	2-Methylnaphthalene Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-9 DUP	Naphthalene 2,4-Dimethylphenol Dibenzofuran Acenaphthene 2-Methylnaphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-27(D)	Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-16(S)	2-Methylnaphthalene Naphthalene	J	Low surrogate recovery. Likely due to dilution.

MW-20(S)	Acenaphthene Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-15(D)	Dibenzofuran Acenaphthene 2-Methylnaphthalene Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-26(S)	2,4-Dimethylphenol Dibenzofuran Acenaphthene Phenanthrene	J	Low surrogate recovery. Likely due to dilution.
MW-17(S)	Naphthalene 2-Methylnaphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-11(D)	2,4-Dimethylphenol Acenaphthene 2-Methylnaphthalene Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-21(S)	Acenaphthene Naphthalene 2-Methylnaphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-30(D)	Naphthalene	J	Low surrogate recovery. Likely due to dilution.
MW-26(D)	2,4-Dimethylphenol Naphthalene	J	Low surrogate recovery. Likely due to dilution.

MW-9 MW-9 DUP	Naphthalene Dibenzofuran Acenaphthene 2-Methylnaphthalene Anthracene Pyrene Benzo(b)fluoranthene Fluoranthene Acenaphthylene Benzo(a)pyrene Benzo(a)anthracene Phenanthrene Fluorene 2-Methylphenol	J	Field Duplicate RPD outside limits.
MW-26(D)	Benzo(b)fluoranthene Chrysene Benzo(a)pyrene Benzo(a)anthracene Acetophenone	J	Reported result less than RL.
MW-10	Phenol Dibenzo(a,h)anthracene	J	Reported result less than RL.
MW-15(D)	Chrysene	J	Reported result less than RL.
MW-16(S)	Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Benzo(k)fluoranthene	J	Reported result less than RL.
MW-17(S)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene	J	Reported result less than RL.
MW-19(D)	Chrysene Benzo(a)anthracene	J	Reported result less than RL.
MW-20(S)	2,4-Dimethylphenol Chrysene Benzo(a)anthracene 2-Methylphenol	J	Reported result less than RL.

MW-21(S)	2,4-Dimethylphenol Chrysene Benzo(a)anthracene 3&4-Methylphenol	J	Reported result less than RL.
MW-24(D)	Anthracene Dibenzofuran Acenaphthylene Carbazole	J	Reported result less than RL.
MW-24(S)	Anthracene Dibenzofuran Acenaphthylene Chrysene Benzo(a)pyrene Benzo(a)anthracene Phenanthrene Fluorene Pyrene	J	Reported result less than RL.
MW-25(D)	Pyrene Fluoranthene Acenaphthene	J	Reported result less than RL.
MW-25(S)	Pyrene Fluoranthene	J	Reported result less than RL.
MW-26(S)	Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Benzo(k)fluoranthene	J	Reported result less than RL.
MW-27(S)	Dibenzo(a,h)anthracene Di-n-butyl phthalate Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Benzo(a)pyrene 2-Methylnaphthalene 1,1'-Biphenyl Acetophenone	J	Reported result less than RL.
MW-30(D)	Benzo(a)anthracene	J	Reported result less than RL.

MW-30(S)	Anthracene Pyrene Fluoranthene Acenaphthylene	J	Reported result less than RL.
MW-7R	Benzo(b)fluoranthene Benzo(k)fluoranthene Chrysene Benzo(a)pyrene	J	Reported result less than RL.
MW-9 DUP	Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene	J	Reported result less than RL.
MW-9	Benzo(b)fluoranthene Chrysene Benzo(a)pyrene Benzo(a)anthracene	J	Reported result less than RL.

Data validation details for each method are provided in the following sections.

5.0 DATA VALIDATION DETAIL – TRACE VOLATILE ORGANIC COMPOUNDS

5.1 Data Package Completeness

Data package is complete for the SDG.

5.2 Preservation

All JD54013 and JD55285 associated samples were properly preserved by acidification to a pH <2 and cooled and held at 4ºC (+/- 2 ºC) with the exception of the following:

JD54013-22: (pH=6) Sample pH did not satisfy field preservation criteria.
JD54013-20: (pH=5) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of nontarget compound.
JD54013-21: (pH=3) Sample pH did not satisfy field preservation criteria.
JD54013-21: (pH=3) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.

JD54013-22: Preliminary data. (pH=6) Sample pH did not satisfy field preservation criteria. Dilution due to high concentration of target compound.
JD54013-11: (pH=6) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of nontarget compound.
JD54013-21: (pH=3) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.
JD55285-1: (pH=6) Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of target compound.

All improperly preserved samples were analyzed within 7 days.

5.3 Hold Times

All samples (preserved) were analyzed within recommended method holding time.

5.4 Instrument Performance Check

In total, five (5) separate instruments were used in this project (GCMSA, GCMS1U, GCMS2A, GCMS2U, GCMS3D). Ion abundance criteria met in all instruments according to Table 1 of ASP Exhibit E.

5.5 Initial Calibration (ICALs)

Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing linear calibration curve and provides mean Relative Response Factors (RRFs) suitable for quantitation.

Instrument GCMS1A
Initial calibration check (ICC) for this instrument associated with Run ID: V1A9711

Initial ICC was conducted 10/6/22. RRFs were acceptable for all compounds.

RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception of tetrachloroethene (-65%).

Instrument GCMS1U
Initial calibration check (ICC) for this instrument associated with Run ID: V1U2005

Initial ICC was conducted 10/24/22. RRFs were acceptable for all compounds.

RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds.

Instrument GCMS2A
Initial calibration check (ICC) for this instrument associated with Run ID: V2A9596

Initial ICC was conducted 10/13/22. RRFs were acceptable for all compounds.

RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception of some non-reported compounds.

Instrument GCMS2U
Initial calibration check (ICC) for this instrument associated with Run ID: V2U2005

Initial ICC was conducted 10/24/22. RRFs were acceptable for all compounds.

RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception of vinyl chloride (-44%).

Instrument GCMS3D
Initial calibration check (ICC) for this instrument associated with Run ID: V3D7672

Initial ICC was conducted 10/05/22. RRFs were acceptable for all compounds with the exception of some non-reported compounds.

RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception of some non-reported compounds.

Instrument GCMS2A
Initial calibration check (ICC) for this instrument associated with Run ID: V2A9632

Initial ICC was conducted 11/08/22. RRFs were acceptable for all compounds.

RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent

Deviation was found acceptable for all compounds with the exception of some non-reported compounds.

5.6 Continuing Calibration Verification (CCV)

Instrument GCMS1A

Analytical Batch: V1A9741 (MW-26(S), MW-20(S), MW-15(D), MW-27(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 1,4-dioxane (42.6%), chloroethane (21.5%), bromomethane (54.3%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

These compounds are biased low and non-detect in the affected samples. All results are qualified UJ.

Instrument GCMS1U

Analytical Batch: V1U2006 (MW-26(S), MWR-25(S), MW-27(S))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of acetone (-43.8%), chloroform (-26.5%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

These compounds are biased high and non-detect in the affected samples therefore no qualifiers are assigned. The exception being chloroform in MW-26(S), which is detected and qualified J.

Instrument GCMS2A

Analytical Batch: V2A9618 (MW-30(S), MW-24(D), MW-9, MW-9 DUP, MW-10)

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Acetone (51.3%), Chloromethane (50%), Vinyl chloride (44.6%), 1,2-Dichloropropane (21.5%), 2-Butanone (21.1%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

These compounds are biased low and non-detect in the affected samples and are therefore qualified UJ.

Analytical Batch: V2A9637 (TRIP BLANK, MW-26(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of acetone (29.9%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

These compounds are biased low and non-detect in the affected samples and are therefore qualified UJ.

Analytical Batch: V2A9637 (MW-26(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds. %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

Instrument GCMS2U

Analytical Batch: V2U2006 (MW-15(D), MW-24(S), MW-25(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Acetone (-52%), 1,1-Dichloroethene (20.8%), Dichlorodifluoromethane (25%), and o-Xylene (21%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

Acetone is biased high and non-detect, therefore no qualifiers are assigned. The remaining compounds are biased low and non-detect in the affected samples and are therefore qualified UJ.

Instrument GCMS3D

Analytical Batch: V3D7704 (MW-7R, TB-1)

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Bromomethane (47.7%), Chloromethane (21.8%), Chloroethane (29.7%), Vinyl chloride (26.6%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

All compounds are biased low and non-detect in the affected samples and are therefore qualified UJ.

Analytical Batch: V3D7708 (FB-1, MW-16(S), MW-7R)

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of vinyl chloride (20.5%), chloroethane (22.2%),

acetone (-28.1%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

Acetone is biased high and non-detect therefore no qualifiers are assigned. All remaining compounds are biased low and non-detect in the affected samples and are therefore qualified UJ.

Analytical Batch: V3D7712 (MW-17(S), MW-11(D), MW-21(S), MW-30(D), MW-19(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 4-Methyl-2-pentanone (-20.6%), 1,4-Dioxane (-33.3%), 2-Hexanone (-22%), Chloroethane (20%). %D in some non-reported compounds exceeded limits, however, as they are not reported no qualifiers are assigned.

Chloroethane is biased low and non-detect in affected samples, therefore it is qualified UJ. The remaining compounds are biased high and non-detect therefore no qualifiers are assigned.

5.7 Blanks

Method Blanks

A method blank analysis was performed in each analytical batch for each instrument. Results were non-detect for all compounds in each method blank with the following exceptions:

V1A9741-MB | MW-26(S), MW-20(S), MW-15(D), MW-27(D)

Bromomethane 1.7 ug/L. All affected samples were non-detect. No qualification is necessary.
1,4-Dioxane 111 ug/L. Evidence of gross contamination. Reported below the CRQL. All affected samples were non-detect. No qualification necessary.

V3D7704-MB | MW-7R, TB-1

1,4-Dioxane 20.3 ug/L. Reported below the CRQL. Affected samples non-detect. No qualification necessary.

Field Blank

A total of one (1) sample was submitted as field blank samples including FB-1. All samples were non-detect for all compounds with the exception of chloroform (9.1 ug/L). The majority of samples were non-detect for chloroform and no qualification is necessary. Samples TB-1, TRIP BLANK, MW-26(S), and MW-7R are detected at concentrations greater than the CRQL and the blank concentration. Therefore, no qualification is necessary.

Trip Blank

Two trip blank samples (TB-1, TRIP BLANK) were submitted with this SDG. Results were non-detect for all compounds with the following exceptions:

TB-1 | Chloroform (9.7 ug/L)
TRIP BLANK | Chloroform (9.9 ug/L)

Chloroform in both these blanks is greater than the CRQL. The majority of project samples were non-detect and therefore no qualification is necessary. The exceptions were MW-26(S), and MW-7R. Both of these samples had concentrations greater than the CRQL and the blank concentration, therefore no qualifier is assigned.

5.8 Analysis Sequence

Samples were analyzed according to standard sequence.

5.9 Internal Standards

All internal standard area counts are within acceptable limits. All required VOC internal standards used. Includes SMCs tert-butyl alcohol-D9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-D5, 1,4-dichlorobenzene-d4. Some dilution required for samples with high concentrations of target compounds.

5.10 Laboratory Control Sample (LCS)

A LCS sample was analyzed as a part of each analytical batch. There are no required limits for NYSDEC ASP 2005 LCS samples so Lab limits are considered the applicable threshold.

Analytical Batch: V3D7704
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V3D7708
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V1U2006 (MW-25(S), MW-26(S), MW-27(S))
All analytes were detected within acceptable ranges within the LCS with the exception of trans-1,2-dichloroethene (76%). Biased low and non-detect in all affected compounds

Analytical Batch: V2U2006
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V3D7712
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V2A9618
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V1A9741 MW-15(D), MW-20(S), MW-26(S), MW-27(D)
All analytes were detected within acceptable ranges within the LCS with the exception of 1,4-dioxane (55%). Biased low and non-detect in all affected compounds.

Analytical Batch: V2A9637
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V2A9641
All analytes were detected within acceptable ranges within the LCS. Note: Sample only reported for benzene.

5.11 Duplicates

Field Duplicates
Client samples MW-9 and MW-9 DUP served as a field duplicate for their respective parent samples All RPD were within acceptable limits (less than 30%) for all compounds with the exception of those highlighted below. RPDs for detected results are summarized in the tables below.

Compound	Units	MW-9	MW-9 DUP	Relative Percent Difference
Benzene	ug/l	384	420	8.96%
Ethylbenzene	ug/l	1230	1220	0.82%
Isopropylbenzene	ug/l	ND (100)	65.1 J	42.28%
Toluene	ug/l	15200	15300	0.66%
m,p-Xylene	ug/l	3440	3410	0.88%
o-Xylene	ug/l	1570	1570	0.00%
Xylene (total)	ug/l	5010	4980	0.60%

RPD for all compounds was within limits with the exception of isopropylbenzene. One concentration is ND and the other is below the reporting limit. Data is accepted.

Lab Duplicates
Non-project samples were utilized for Lab Duplicates.

5.12 Matrix Spike and Matrix Spike Duplicate

Project samples JD54013-1, JD54013-2, JD54013-21, JD54013-22, JD54013-5were used as Matrix spike (MS) and matrix spike duplicate (MSD) samples for their respective batches.

JD54013-1
Sample JD54013-1 and MSD %Rec was within acceptable bounds for all compounds with the exception of benzene (18%) and toluene (18%). %Recovery likely due to high concentration of target compound. Detected results are qualified J and non-detect are qualified UJ.

JD54013-2
Sample JD54013-2 and MSD %Rec was within acceptable bounds for all compounds.

JD54013-21
Sample JD54013-21 and MSD %Rec was within acceptable bounds for all compounds with the exception of benzene (-9%). %Rec is less than 10%, however, low recovery likely due to high concentration of target compound. Only parent sample is qualified J.

JD54013-22
Sample JD54013-22 and MSD %Rec was within acceptable bounds for all compounds with the exception of benzene (18%) and toluene (18%). %Recovery likely due to high concentration of target compound. Detected results are qualified J and non-detect are qualified UJ.

JD54013-5
Sample JD54013-5 and MSD %Rec was within acceptable bounds for all compounds.

All remaining MS & MSD samples were non-project samples and no determination of matrix interference can be made.

5.13 Surrogates & System Monitoring Compounds (SMCs)

All ASP required surrogate compounds were used including tolunene-d8, 4-bromofluorobenzene, and 1,2-dichloroethane-d4. All were recovered within acceptable limits. Additionally, dibromofluoromethane was used as a surrogate compound and recovered within acceptable laboratory control limits.

5.14 Project QA/QC (Field Duplicates)

Per Project QA/QC one field duplicate per 20 project samples was submitted as a part of this event. Duplicate Samples were within acceptable limits except where noted in Section 5.11. Per Project QA/QC one field blank and at least one Trip blank were submitted per 20 samples. Field Blank (FB-1) were non-detect for all compounds except where noted in Section 5.7. Trip blanks were non-detect for all compounds except where noted in Section 5.7. Although not specified in Project QA/QC, five MS&MSD samples utilizing project samples were conducted. Matrix interference was not observed except where noted in Section 5.12. All data are considered usable.

5.15 Detection Limits

Results reported above the MDL, but below the Reporting Limit (RL) are qualified J for all samples.

6.0 DATA VALIDATION DETAIL – SEMI-VOLATILE ORGANIC COMPOUNDS

6.1 Data Package Completeness
Data package is complete for the SDG.

6.2 Preservation
All samples were properly cooled and held at 4ºC (+/- 2 ºC).

6.3 Hold Times
All samples were extracted within 5 days of verified time of sample receipt and analyzed within 40 days of extraction.

6.4 Instrument Performance Check (DFTPP)
Two (2) instruments were utilized in this analysis (GCMSF, GCMSP). Ion abundance criteria met according to Table 13 of ASP Exhibit E.

6.5 Initial Calibration (ICALs)
Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing linear calibration curve and provides mean Relative Response Factors (RRFs) suitable for quantitation.

Instrument GCMSF
Initial calibration check (ICC) for this instrument associated with Run ID: EF9252

Initial ICC was conducted 9/24/22. RRFs were acceptable for all reported compound. RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 16 values). ICVs show acceptable %Dev and drift for all compounds.

Instrument GCMSP
Initial calibration check (ICC) for this instrument associated with Run ID: EP7003

Initial ICC was conducted 9/09/22. RRFs were acceptable for all reported compound. RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 16 values).

6.6 Continuing Calibration Verification (CCV)

Instrument GCMSF

Analytical Batch: EF9279 (MW-25(S), MW-25(D), MW-27(S), MW-20(S), MW-15(D), MW-26(S).

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 4-Nitrophenol (-29%) and pentachlorophenol (-22.8%)

All the above compounds were biased high and non-detect in affected samples as such, no qualifiers are necessary.

Analytical Batch: EF9280 (MW-24(S), MW-27(D), MW-20(S), MW-15(D), MW-26(S), MW-15(D)).

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 4-Nitrophenol (-30%), atrazine (-15.6%) and pentachlorophenol (-21.5%).

All the above compounds were biased high and non-detect in affected samples as such, no qualifiers are necessary.

Analytical Batch: EF9284 (MW-27(D), MW-26(S))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 4-Nitrophenol (-37.4%), atrazine (-26.9%) and pentachlorophenol (-20.8%).

All the above compounds were biased high and non-detect in affected samples as such, no qualifiers are necessary.

Analytical Batch: EF9297 (NO PROJECT SAMPLES)

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 4-Nitrophenol (-34.4%), atrazine (-22.9%) and pentachlorophenol (-22.1%).

No project samples in this analytical batch. Therefore, no qualifiers applied.

Analytical Batch: EF9298 (MW-26(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of 4-Nitrophenol (-26.5%), Indeno(1,2,3-cd)pyrene (-20.2%), and Dibenzo(a,h)anthracene (-20.4%).

All the above compounds were biased high and non-detect in affected samples as such, no qualifiers are necessary.

Analytical Batch: EF9307 (MW-26(D))

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of some non-reported compounds.

Instrument GCMSP

Analytical Batch: EP7048 (MW-7R, MW-16(S), FB-1, MW-11(D), MW-21(S), MW-30(S), MW-30(D), MW-19(D), MW-24(D), MW-9, MW-9 DUP, MW-10)

CCRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Caprolactam (-47.1%), 4-Chloroaniline (28.1%), Phenol (-21.8%), 2,4-Dinitrophenol (-33.9%), N-Nitrosodiphenylamine (-26.5%), and 2-Nitroaniline (-25%).

4-Chloroaniline is biased low. Non-detect results are qualified UJ and detected results are qualified J. Phenol was biased high. Detected results are qualified J, non-detects are accepted. All the remaining above compounds were biased high and non-detect in affected samples as such, no qualifiers are necessary.

Analytical Batch: EP7048 (MW-7R, MW-16(S), FB-1, MW-11(D), MW-21(S), MW-30(S), MW-30(D), MW-19(D), MW-24(D), MW-9, MW-9 DUP, MW-10)

CCRF was acceptable for all reported compounds. This was a rerun batch for specific analytes.

Analytical Batch: EP7051 (MW-16(S))

CCRF was acceptable for all reported compounds. This was a rerun batch for specific analytes.

6.7 Blanks

Method Blanks

A method blank analysis was performed during each prep batch. All analytes in method blanks were non-detect and below the RL.

Field Blank

Field Blank (FB-1) was non-detect for all SVOCs.

6.8 Analysis Sequence

Samples were analyzed according to standard sequence from DFTPP Tune to closing CV.

6.9 Internal Standards & System Monitoring Compounds (SMCs)

Internal standard area counts are within acceptable limits for all samples. All required SVOC method specific internal standards used including 1,4-dichlroobenzene-d4, naphthalene-d8, acenaphthene-D10, phenanthrene-d10, chrysene-d12, perylene-d12.

6.10 Laboratory Control Sample (LCS)

LCS and LCS duplicate (LCSD) were analyzed with each prep batch.

Prep Batch OP42699
%Rec of LCS and LCSD samples were within acceptable limits for all compounds.

Prep Batch OP42633
%Rec of LCS and LCSD samples were within acceptable limits for all compounds. RPD between BS and BSD of 2,4-dimethylphenol (66%) was outside lab limits. Affected samples are qualified UJ for non-detect and J for detected results.

Prep Batch OP43091
%Rec of LCS and LCSD samples were within acceptable limits for all compounds.

6.11 Matrix Spike and Matrix Spike Duplicate

According to ASP 2005 Exhibit EMS and MSD are only required for Semi-Volatile analysis if requested. No MS or MSD was requested or required in Project QA/QC documents for SVOCs. Non-project samples were utilized as MS/MSD samples therefore no determination of matrix interference could be made.

6.12 Surrogates

All ASP required surrogate compounds were used including 2-fluorophenol, phenol-d5, 2,4,6-tribromophenol, nitrobenzene-d5, 2-fluorobiphenyl, terphenyl-d14. Surrogates were generally recovered within acceptable limits. The majority of samples had surrogate loss and low recovery in dilution runs.

Dilution runs only reported detected results, however, these results are qualified J for any run with two or more base or acid surrogates with %Rec outside of range.

6.13 Duplicates

Field Duplicates
Sample MW-9 DUP was submitted as a field duplicate for this project. All RPD were within acceptable limits (less than 30%) for all compounds with the exception of those highlighted below. RPDs for detected results are summarized in the table below.

Compound	Units	MW-9	MW-9 DUP	Relative Percent Difference
2,4-Dimethylphenol	ug/l	92.3	77	18.07%
2-Methylphenol	ug/l	19.5	23.7	19.44%
3&4-Methylphenol	ug/l	34.7	41.6	18.09%
Phenol	ug/l	11.1	14.6	27.24%
Acenaphthene	ug/l	81.4	147	57.44%
Acenaphthylene	ug/l	11.1	18.1	47.95%
Acetophenone	ug/l	67.2	89.7	28.68%
Anthracene	ug/l	4.7	9	62.77%
Benzo(a)anthracene	ug/l	0.72 J	1.6	75.86%
Benzo(a)pyrene	ug/l	0.40 J	0.97 J	83.21%
Benzo(b)fluoranthene	ug/l	0.44 J	1.0 J	77.78%
Benzo(g,h,i)perylene	ug/l	ND (1.1)	0.58 J	61.90%
Benzo(k)fluoranthene	ug/l	ND (1.1)	0.33 J	107.69%
1,1'-Biphenyl	ug/l	43.7	74	51.49%
Carbazole	ug/l	57.6	84	37.29%
Chrysene	ug/l	0.47 J	1.2	87.43%
Dibenzofuran	ug/l	64.3	120	60.44%
Fluoranthene	ug/l	2.8	6.6	80.85%
Fluorene	ug/l	33.5	61.4	58.80%
Indeno(1,2,3-cd)pyrene	ug/l	ND (1.1)	0.50 J	75.00%
2-Methylnaphthalene	ug/l	439	721	48.62%
Naphthalene	ug/l	6850	18400	91.49%
Phenanthrene	ug/l	31.2	63.8	68.63%

Pyrene	ug/l	2.1	4.6	74.63%

For compounds chrysene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene all had one compound non-detect and the other less than the CRQL. Detected results are qualified J. Other highlighted compounds have RPD above 30% and detected compounds are qualified J.

6.14 Project QA/QC (Field Duplicates)

Per Project QA/QC one field duplicate per 20 samples was required to be submitted as a part of this event. Duplicate sample RPD was within limits except where noted above. Per Project QA/QC one field blank per 20 samples. Field blank sample was non-detect for all compounds except where noted above. Although not specified in Project QA/QC, one MS&MSD samples utilizing project samples were conducted. Matrix interference was not observed except where noted in Section 6.11.

6.15 Detection Limits

Results reported above the MDL, but below the Reporting Limit (RL) are qualified J for all samples.

Attachment A

Relevant QC Summary Sheets

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43091-MB1	F210886.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD55285-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43091-MB1	F210886.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD55285-1

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	29%	10-71%

Method Blank Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43091-MB1	F210886.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD55285-1

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	19%	10-58%
118-79-6	2,4,6-Tribromophenol	75%	22-144%
4165-60-0	Nitrobenzene-d5	64%	28-118%
321-60-8	2-Fluorobiphenyl	66%	34-116%
1718-51-0	Terphenyl-d14	71%	10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43091-BS1	F210887.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297
OP43091-BSD	F210888.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD55285-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	50	38.0	76	33.3	67	13	17-111/59
59-50-7	4-Chloro-3-methyl phenol	50	46.3	93	40.9	82	12	30-118/47
120-83-2	2,4-Dichlorophenol	50	41.9	84	37.5	75	11	30-119/50
105-67-9	2,4-Dimethylphenol	50	36.0	72	38.4	77	6	20-114/49
51-28-5	2,4-Dinitrophenol	100	85.1	85	68.9	69	21	11-141/72
534-52-1	4,6-Dinitro-o-cresol	50	48.2	96	42.1	84	14	30-142/51
95-48-7	2-Methylphenol	50	33.5	67	31.2	62	7	10-110/56
	3&4-Methylphenol	100	63.4	63	57.0	57	11	10-164/59
88-75-5	2-Nitrophenol	50	44.0	88	39.2	78	12	33-123/49
100-02-7	4-Nitrophenol	50	28.9	58	21.8	44	28	10-84/61
87-86-5	Pentachlorophenol	100	101	101	92.3	92	9	10-171/41
108-95-2	Phenol	50	17.5	35	15.3	31	13	10-85/57
58-90-2	2,3,4,6-Tetrachlorophenol	50	52.1	104	45.2	90	14	36-130/44
95-95-4	2,4,5-Trichlorophenol	50	47.0	94	40.5	81	15	38-124/44
88-06-2	2,4,6-Trichlorophenol	50	45.1	90	39.7	79	13	37-122/46
83-32-9	Acenaphthene	50	45.5	91	40.3	81	12	52-115/30
208-96-8	Acenaphthylene	50	52.4	105	46.2	92	13	30-114/31
98-86-2	Acetophenone	50	45.7	91	42.2	84	8	40-115/39
120-12-7	Anthracene	50	45.6	91	42.2	84	8	55-122/29
1912-24-9	Atrazine	50	57.8	116	53.9	108	7	54-140/33
100-52-7	Benzaldehyde	50	40.6	81	38.0	76	7	35-121/35
56-55-3	Benzo(a)anthracene	50	48.7	97	43.8	88	11	55-122/29
50-32-8	Benzo(a)pyrene	50	41.5	83	37.6	75	10	50-123/30
205-99-2	Benzo(b)fluoranthene	50	45.2	90	41.0	82	10	57-124/28
191-24-2	Benzo(g,h,i)perylene	50	43.9	88	42.5	85	3	55-125/30
207-08-9	Benzo(k)fluoranthene	50	44.3	89	41.0	82	8	53-124/28
101-55-3	4-Bromophenyl phenyl ether	50	45.8	92	42.5	85	7	55-124/29
85-68-7	Butyl benzyl phthalate	50	48.1	96	43.1	86	11	54-134/29
92-52-4	1,1'-Biphenyl	50	42.8	86	38.1	76	12	46-115/32
91-58-7	2-Chloronaphthalene	50	39.3	79	35.9	72	9	44-113/32
106-47-8	4-Chloroaniline	50	34.8	70	33.5	67	4	10-100/92
86-74-8	Carbazole	50	48.1	96	44.2	88	8	56-123/29
105-60-2	Caprolactam	50	10.3	21	9.1	18	12	10-85/35
218-01-9	Chrysene	50	44.8	90	41.2	82	8	54-122/29
111-91-1	bis(2-Chloroethoxy)methane	50	40.9	82	36.1	72	12	39-116/36
111-44-4	bis(2-Chloroethyl)ether	50	39.8	80	36.8	74	8	31-118/45

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43091-BS1	F210887.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297
OP43091-BSD	F210888.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD55285-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	50	45.5	91	43.1	86	5	34-117/43
7005-72-3	4-Chlorophenyl phenyl ether	50	47.6	95	40.6	81	16	53-119/28
121-14-2	2,4-Dinitrotoluene	50	54.3	109	47.8	96	13	58-129/29
606-20-2	2,6-Dinitrotoluene	50	51.0	102	45.0	90	13	56-128/30
91-94-1	3,3'-Dichlorobenzidine	50	46.0	92	41.4	83	11	23-122/44
53-70-3	Dibenzo(a,h)anthracene	50	47.8	96	45.8	92	4	55-127/29
132-64-9	Dibenzofuran	50	45.4	91	40.3	81	12	53-116/29
84-74-2	Di-n-butyl phthalate	50	50.0	100	45.7	91	9	57-129/30
117-84-0	Di-n-octyl phthalate	50	39.6	79	35.3	71	11	45-139/28
84-66-2	Diethyl phthalate	50	51.3	103	45.9	92	11	53-123/30
131-11-3	Dimethyl phthalate	50	48.2	96	43.3	87	11	50-122/35
117-81-7	bis(2-Ethylhexyl)phthalate	50	47.7	95	42.4	85	12	49-137/30
206-44-0	Fluoranthene	50	51.4	103	46.9	94	9	58-125/30
86-73-7	Fluorene	50	48.3	97	42.3	85	13	56-119/28
118-74-1	Hexachlorobenzene	50	46.0	92	43.1	86	7	53-125/29
87-68-3	Hexachlorobutadiene	50	30.8	62	27.7	55	11	21-109/47
77-47-4	Hexachlorocyclopentadiene	100	73.7	74	60.3	60	20	10-96/52
67-72-1	Hexachloroethane	50	28.9	58	26.5	53	9	19-105/40
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.8	92	43.8	88	4	50-132/30
78-59-1	Isophorone	50	42.5	85	39.1	78	8	41-117/33
91-57-6	2-Methylnaphthalene	50	38.4	77	34.4	69	11	41-112/35
88-74-4	2-Nitroaniline	50	46.7	93	42.4	85	10	48-128/31
99-09-2	3-Nitroaniline	50	44.4	89	40.0	80	10	30-115/51
100-01-6	4-Nitroaniline	50	47.5	95	42.2	84	12	43-121/34
91-20-3	Naphthalene	50	36.8	74	33.9	68	8	37-112/39
98-95-3	Nitrobenzene	50	40.4	81	37.4	75	8	35-119/39
621-64-7	N-Nitroso-di-n-propylamine	50	45.1	90	40.4	81	11	34-121/36
86-30-6	N-Nitrosodiphenylamine	50	45.3	91	43.0	86	5	52-121/29
85-01-8	Phenanthrene	50	43.6	87	41.5	83	5	56-121/28
129-00-0	Pyrene	50	42.5	85	39.6	79	7	55-125/29
95-94-3	1,2,4,5-Tetrachlorobenzene	50	35.9	72	31.4	63	13	40-110/35

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	47%	39%	10-71%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43091-BS1	F210887.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297
OP43091-BSD	F210888.D	1	11/12/22	KLS	11/11/22	OP43091	EF9297

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD55285-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-62-2	Phenol-d5	33%	27%	10-58%
118-79-6	2,4,6-Tribromophenol	96%	86%	22-144%
4165-60-0	Nitrobenzene-d5	87%	79%	28-118%
321-60-8	2-Fluorobiphenyl	93%	82%	34-116%
1718-51-0	Terphenyl-d14	95%	90%	10-127%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9252-DFTPP	**Injection Date:**	09/24/22
Lab File ID:	F209858.D	**Injection Time:**	11:53
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	20239	34.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	29180	49.1		Pass
70	Less than 2.0% of mass 69	152	0.26	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	30498	51.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	59389	100.0		Pass
199	5.0 - 9.0% of mass 198	4267	7.18		Pass
275	10.0 - 30.0% of mass 198	14814	24.9		Pass
365	1.0 - 100.0% of mass 198	1669	2.81		Pass
441	Present, but less than mass 443	4845	8.16	(86.6) [b]	Pass
442	40.0 - 100.0% of mass 198	31052	52.3		Pass
443	17.0 - 23.0% of mass 442	5593	9.42	(18.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9252-IC9252	F209861.D	09/24/22	13:26	01:33	Initial cal 100
EF9252-IC9252	F209862.D	09/24/22	14:03	02:10	Initial cal 1
EF9252-IC9252	F209863.D	09/24/22	14:29	02:36	Initial cal 80
EF9252-IC9252	F209864.D	09/24/22	14:54	03:01	Initial cal 2
EF9252-ICC9252	F209865.D	09/24/22	15:20	03:27	Initial cal 50
EF9252-IC9252	F209866.D	09/24/22	15:45	03:52	Initial cal 5
EF9252-IC9252	F209867.D	09/24/22	16:11	04:18	Initial cal 25
EF9252-IC9252	F209868.D	09/24/22	16:36	04:43	Initial cal 10

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9253-DFTPP
Lab File ID: F209869.D
Instrument ID: GCMSF
Injection Date: 09/24/22
Injection Time: 19:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19362	33.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	28875	49.6		Pass
70	Less than 2.0% of mass 69	187	0.32	(0.65) [a]	Pass
127	40.0 - 60.0% of mass 198	29885	51.3		Pass
197	Less than 1.0% of mass 198	326	0.56		Pass
198	Base peak, 100% relative abundance	58229	100.0		Pass
199	5.0 - 9.0% of mass 198	4056	6.97		Pass
275	10.0 - 30.0% of mass 198	14406	24.7		Pass
365	1.0 - 100.0% of mass 198	1967	3.38		Pass
441	Present, but less than mass 443	5036	8.65	(79.3) [b]	Pass
442	40.0 - 100.0% of mass 198	32309	55.5		Pass
443	17.0 - 23.0% of mass 442	6351	10.9	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9253-IC9253	F209870A.D	09/24/22	20:13	00:49	Initial cal 100
EF9253-IC9253	F209871.D	09/24/22	20:38	01:14	Initial cal 80
EF9253-ICC9253	F209872.D	09/24/22	21:02	01:38	Initial cal 50
EF9253-IC9253	F209873.D	09/24/22	21:27	02:03	Initial cal 25
EF9253-IC9253	F209874.D	09/24/22	21:52	02:28	Initial cal 10
EF9253-IC9253	F209875.D	09/24/22	22:17	02:53	Initial cal 5
EF9253-IC9253	F209876.D	09/24/22	22:42	03:18	Initial cal 2
EF9253-IC9253	F209877.D	09/24/22	23:07	03:43	Initial cal 1
EF9253-ICV9253	F209878.D	09/24/22	23:31	04:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9254-DFTPP
Lab File ID: F209879.D
Instrument ID: GCMSF
Injection Date: 09/27/22
Injection Time: 04:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	21235	32.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	30925	47.5		Pass
70	Less than 2.0% of mass 69	206	0.32	(0.67) [a]	Pass
127	40.0 - 60.0% of mass 198	33525	51.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	65058	100.0		Pass
199	5.0 - 9.0% of mass 198	4354	6.69		Pass
275	10.0 - 30.0% of mass 198	15693	24.1		Pass
365	1.0 - 100.0% of mass 198	2110	3.24		Pass
441	Present, but less than mass 443	5384	8.28	(80.6) [b]	Pass
442	40.0 - 100.0% of mass 198	34053	52.3		Pass
443	17.0 - 23.0% of mass 442	6684	10.3	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9254-IC9254	F209880.D	09/27/22	04:37	00:20	Initial cal 100
EF9254-IC9254	F209881.D	09/27/22	05:03	00:46	Initial cal 80
EF9254-ICC9254	F209882.D	09/27/22	05:29	01:12	Initial cal 50
EF9254-IC9254	F209883.D	09/27/22	05:54	01:37	Initial cal 25
EF9254-IC9254	F209884.D	09/27/22	06:20	02:03	Initial cal 10
EF9254-IC9254	F209885.D	09/27/22	06:45	02:28	Initial cal 5
EF9254-IC9254	F209886.D	09/27/22	07:11	02:54	Initial cal 2
EF9254-IC9254	F209887.D	09/27/22	07:36	03:19	Initial cal 1
EF9254-ICV9254	F209888.D	09/27/22	08:02	03:45	Initial cal verification 50
EF9254-ICV9254	F209889.D	09/27/22	08:27	04:10	Initial cal verification 50
EF9254-ICV9254	F209890.D	09/27/22	08:53	04:36	Initial cal verification 50
EF9254-ICV9254	F209891.D	09/27/22	09:18	05:01	Initial cal verification 50
EF9254-ICV9252	F209892.D	09/27/22	09:44	05:27	Initial cal verification 50
EF9254-ICV9252	F209893.D	09/27/22	10:10	05:53	Initial cal verification 50
EF9254-ICV9252	F209894.D	09/27/22	10:35	06:18	Initial cal verification 50
EF9254-ICV9252	F209895.D	09/27/22	11:01	06:44	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9297-DFTPP
Lab File ID: F210882.D
Instrument ID: GCMSF
Injection Date: 11/12/22
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	31164	33.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	44896	48.9		Pass
70	Less than 2.0% of mass 69	365	0.40	(0.81) [a]	Pass
127	40.0 - 60.0% of mass 198	48155	52.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	91813	100.0		Pass
199	5.0 - 9.0% of mass 198	6509	7.09		Pass
275	10.0 - 30.0% of mass 198	22220	24.2		Pass
365	1.0 - 100.0% of mass 198	2965	3.23		Pass
441	Present, but less than mass 443	7363	8.02	(82.0) [b]	Pass
442	40.0 - 100.0% of mass 198	47936	52.2		Pass
443	17.0 - 23.0% of mass 442	8977	9.78	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9297-CC9252	F210883.D	11/12/22	10:58	00:15	Continuing cal 50
EF9297-CC9254	F210884.D	11/12/22	11:31	00:48	Continuing cal 50
EF9297-CC9253	F210885.D	11/12/22	11:59	01:16	Continuing cal 50
OP43091-MB1	F210886.D	11/12/22	12:29	01:46	Method Blank
OP43091B-MB1	F210886.D	11/12/22	12:29	01:46	Method Blank
OP43091B-BS1	F210887.D	11/12/22	12:55	02:12	Blank Spike
OP43091-BS1	F210887.D	11/12/22	12:55	02:12	Blank Spike
OP43091-BSD	F210888.D	11/12/22	13:23	02:40	Blank Spike Duplicate
OP43091B-BSD	F210888.D	11/12/22	13:23	02:40	Blank Spike Duplicate
OP43091-BS13	F210889.D	11/12/22	13:48	03:05	Blank Spike
OP43091B-BS13	F210889.D	11/12/22	13:48	03:05	Blank Spike
ZZZZZZ	F210890.D	11/12/22	14:13	03:30	(unrelated sample)
ZZZZZZ	F210891.D	11/12/22	14:39	03:56	(unrelated sample)
ZZZZZZ	F210892.D	11/12/22	15:04	04:21	(unrelated sample)
ZZZZZZ	F210893.D	11/12/22	15:29	04:46	(unrelated sample)
ZZZZZZ	F210894.D	11/12/22	15:54	05:11	(unrelated sample)
ZZZZZZ	F210895.D	11/12/22	16:20	05:37	(unrelated sample)
ZZZZZZ	F210896.D	11/12/22	16:45	06:02	(unrelated sample)
ZZZZZZ	F210897.D	11/12/22	17:10	06:27	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9297-DFTPP	**Injection Date:**	11/12/22
Lab File ID:	F210882.D	**Injection Time:**	10:43
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F210899.D	11/12/22	18:01	07:18	(unrelated sample)
ZZZZZZ	F210900.D	11/12/22	18:26	07:43	(unrelated sample)
ZZZZZZ	F210901.D	11/12/22	18:51	08:08	(unrelated sample)
ZZZZZZ	F210902.D	11/12/22	19:17	08:34	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9298-DFTPP
Lab File ID: F210904.D
Instrument ID: GCMSF
Injection Date: 11/14/22
Injection Time: 09:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	22614	33.9		Pass
68	Less than 2.0% of mass 69	130	0.19	(0.41) [a]	Pass
69	Mass 69 relative abundance	31887	47.8		Pass
70	Less than 2.0% of mass 69	232	0.35	(0.73) [a]	Pass
127	40.0 - 60.0% of mass 198	35037	52.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	66669	100.0		Pass
199	5.0 - 9.0% of mass 198	4655	6.98		Pass
275	10.0 - 30.0% of mass 198	17196	25.8		Pass
365	1.0 - 100.0% of mass 198	2297	3.45		Pass
441	Present, but less than mass 443	5973	8.96	(83.5) [b]	Pass
442	40.0 - 100.0% of mass 198	39040	58.6		Pass
443	17.0 - 23.0% of mass 442	7153	10.7	(18.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9298-CC9254	F210905A.D	11/14/22	09:29	00:17	Continuing cal 25
EF9298-CC9252	F210905.D	11/14/22	09:29	00:17	Continuing cal 25
EF9298-CC9253	F210906.D	11/14/22	09:54	00:42	Continuing cal 25
OP43007-MB1	F210908.D	11/14/22	10:56	01:44	Method Blank
OP43007-BS1	F210909.D	11/14/22	11:21	02:09	Blank Spike
ZZZZZZ	F210910.D	11/14/22	11:45	02:33	(unrelated sample)
ZZZZZZ	F210911.D	11/14/22	12:19	03:07	(unrelated sample)
ZZZZZZ	F210912.D	11/14/22	12:44	03:32	(unrelated sample)
ZZZZZZ	F210913.D	11/14/22	13:09	03:57	(unrelated sample)
ZZZZZZ	F210914.D	11/14/22	13:33	04:21	(unrelated sample)
ZZZZZZ	F210915.D	11/14/22	13:58	04:46	(unrelated sample)
ZZZZZZ	F210916.D	11/14/22	14:23	05:11	(unrelated sample)
ZZZZZZ	F210917A.D	11/14/22	14:56	05:44	(unrelated sample)
ZZZZZZ	F210918.D	11/14/22	15:21	06:09	(unrelated sample)
ZZZZZZ	F210919.D	11/14/22	15:46	06:34	(unrelated sample)
ZZZZZZ	F210920.D	11/14/22	16:10	06:58	(unrelated sample)
ZZZZZZ	F210921.D	11/14/22	16:35	07:23	(unrelated sample)
ZZZZZZ	F210922.D	11/14/22	17:00	07:48	(unrelated sample)
ZZZZZZ	F210923.D	11/14/22	17:26	08:14	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9298-DFTPP	**Injection Date:**	11/14/22
Lab File ID:	F210904.D	**Injection Time:**	09:12
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F210924.D	11/14/22	17:50	08:38	(unrelated sample)
OP43007-MS	F210925.D	11/14/22	18:16	09:04	Matrix Spike
OP43007-MSD	F210926.D	11/14/22	18:40	09:28	Matrix Spike Duplicate
JD55092-1	F210927.D	11/14/22	19:05	09:53	(used for QC only; not part of job JD55285)
ZZZZZZ	F210928.D	11/14/22	19:30	10:18	(unrelated sample)
ZZZZZZ	F210929.D	11/14/22	19:55	10:43	(unrelated sample)
JD55285-1	F210930.D	11/14/22	20:20	11:08	MW-26(D)

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9307-DFTPP
Lab File ID: F211131.D
Instrument ID: GCMSF
Injection Date: 11/21/22
Injection Time: 23:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13978	34.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	20544	50.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	21880	53.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40890	100.0		Pass
199	5.0 - 9.0% of mass 198	2857	6.99		Pass
275	10.0 - 30.0% of mass 198	9692	23.7		Pass
365	1.0 - 100.0% of mass 198	1437	3.51		Pass
441	Present, but less than mass 443	3494	8.54	(80.7) [b]	Pass
442	40.0 - 100.0% of mass 198	22076	54.0		Pass
443	17.0 - 23.0% of mass 442	4329	10.6	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9307-CC9252	F211132.D	11/21/22	23:43	00:15	Continuing cal 50
EF9307-CC9253	F211133.D	11/22/22	00:08	00:40	Continuing cal 50
OP43229-MB1	F211134.D	11/22/22	00:34	01:06	Method Blank
OP43229-BS1	F211135.D	11/22/22	00:59	01:31	Blank Spike
ZZZZZZ	F211136.D	11/22/22	01:28	02:00	(unrelated sample)
ZZZZZZ	F211137.D	11/22/22	01:53	02:25	(unrelated sample)
ZZZZZZ	F211138.D	11/22/22	02:19	02:51	(unrelated sample)
ZZZZZZ	F211139.D	11/22/22	02:44	03:16	(unrelated sample)
ZZZZZZ	F211140.D	11/22/22	03:10	03:42	(unrelated sample)
ZZZZZZ	F211141.D	11/22/22	03:35	04:07	(unrelated sample)
OP43229-MS	F211143.D	11/22/22	04:26	04:58	Matrix Spike
OP43229-MSD	F211144.D	11/22/22	04:51	05:23	Matrix Spike Duplicate
JD55807-1	F211145.D	11/22/22	05:17	05:49	(used for QC only; not part of job JD55285)
ZZZZZZ	F211146.D	11/22/22	05:42	06:14	(unrelated sample)
ZZZZZZ	F211147.D	11/22/22	06:08	06:40	(unrelated sample)
ZZZZZZ	F211148.D	11/22/22	06:33	07:05	(unrelated sample)
ZZZZZZ	F211149.D	11/22/22	06:58	07:30	(unrelated sample)
ZZZZZZ	F211150.D	11/22/22	07:23	07:55	(unrelated sample)
ZZZZZZ	F211151.D	11/22/22	07:49	08:21	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9307-DFTPP	**Injection Date:**	11/21/22
Lab File ID:	F211131.D	**Injection Time:**	23:28
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F211152.D	11/22/22	08:14	08:46	(unrelated sample)
ZZZZZZ	F211153.D	11/22/22	08:39	09:11	(unrelated sample)
ZZZZZZ	F211154.D	11/22/22	09:05	09:37	(unrelated sample)
ZZZZZZ	F211155.D	11/22/22	09:30	10:02	(unrelated sample)
ZZZZZZ	F211156.D	11/22/22	09:55	10:27	(unrelated sample)
ZZZZZZ	F211157.D	11/22/22	10:21	10:53	(unrelated sample)
ZZZZZZ	F211158.D	11/22/22	10:46	11:18	(unrelated sample)
JD55285-1	F211159.D	11/22/22	11:11	11:43	MW-26(D)

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9297-CC9252	**Injection Date:**	11/12/22
Lab File ID:	F210883.D	**Injection Time:**	10:58
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	144648	3.85	557734	4.78	314049	6.02	602697	7.47	589754	12.20	645399	15.13
Upper Limit [a]	289296	4.35	1115468	5.28	628098	6.52	1205394	7.97	1179508	12.70	1290798	15.63
Lower Limit [b]	72324	3.35	278867	4.28	157025	5.52	301349	6.97	294877	11.70	322700	14.63

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP43091-MB1	93888	3.85	362229	4.77	199488	6.01	376571	7.46	352210	12.18	435371	15.12
OP43091B-MB1	93888	3.85	362229	4.77	199488	6.01	376571	7.46	352210	12.18	435371	15.12
OP43091B-BS1	108527	3.85	414423	4.77	226007	6.01	457487	7.46	431849	12.19	487159	15.12
OP43091-BS1	108527	3.85	414423	4.77	226007	6.01	457487	7.46	431849	12.19	487159	15.12
OP43091-BSD	95272	3.85	363375	4.78	199522	6.01	379380	7.46	351788	12.18	402524	15.12
OP43091B-BSD	95272	3.85	363375	4.78	199522	6.01	379380	7.46	351788	12.18	402524	15.12
OP43091-BS13	103323	3.85	393614	4.78	212975	6.01	402165	7.46	378685	12.17	439875	15.12
OP43091B-BS13	103323	3.85	393614	4.78	212975	6.01	402165	7.46	378685	12.17	439875	15.12
ZZZZZZ	98940	3.85	390116	4.77	209967	6.01	389881	7.46	358597	12.17	424823	15.11
ZZZZZZ	104177	3.85	407426	4.77	214282	6.01	409382	7.46	369308	12.17	434460	15.11
ZZZZZZ	103339	3.85	386922	4.77	215585	6.01	401364	7.46	371407	12.17	439990	15.12
ZZZZZZ	96107	3.85	383194	4.77	216570	6.01	408321	7.46	373267	12.17	435931	15.11
ZZZZZZ	115669	3.85	445508	4.77	239459	6.01	453756	7.46	416148	12.18	488754	15.12
ZZZZZZ	106211	3.85	408134	4.77	226451	6.01	419763	7.46	396939	12.17	472232	15.12
ZZZZZZ	115513	3.85	437400	4.77	237472	6.01	447393	7.46	404039	12.17	476244	15.12
ZZZZZZ	101288	3.84	386657	4.77	209459	6.01	401154	7.46	371775	12.17	439749	15.11
ZZZZZZ	87813	3.85	342651	4.77	191138	6.01	368925	7.46	336695	12.17	398272	15.11
ZZZZZZ	130692	3.86	628698	4.83	240094	6.04	450064	7.49	435332	12.24	462182	15.15
ZZZZZZ	99486	3.85	378552	4.77	213169	6.01	419003	7.46	394542	12.18	475650	15.12
ZZZZZZ	111633	3.85	429010	4.78	229235	6.01	442545	7.46	408325	12.17	497657	15.12

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9298-CC9254	**Injection Date:**	11/14/22
Lab File ID:	F210905A.D	**Injection Time:**	09:29
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	113158	3.82	439614	4.75	250036	5.99	486857	7.42	439052	12.12	462383	15.05
Upper Limit [a]	226316	4.32	879228	5.25	500072	6.49	973714	7.92	878104	12.62	924766	15.55
Lower Limit [b]	56579	3.32	219807	4.25	125018	5.49	243429	6.92	219526	11.62	231192	14.55
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP43007-MB1	199535	3.82	762791	4.75	408290	5.99	735612	7.42	577825	12.11	638474	15.05
OP43007-BS1	128747	3.82	491393	4.75	265051	5.99	483470	7.42	377449	12.12	407459	15.05
ZZZZZZ	161622	3.82	628212	4.75	358536	5.99	651873	7.41	536641	12.11	592585	15.05
ZZZZZZ	156017	3.82	616348	4.75	317219	5.99	566307	7.42	464143	12.11	544354	15.05
ZZZZZZ	153911	3.82	600631	4.75	323906	5.99	588536	7.41	462712	12.11	518911	15.05
ZZZZZZ	141799	3.82	553886	4.75	288915	5.99	515973	7.41	412333	12.10	472577	15.05
ZZZZZZ	131319	3.82	504197	4.75	264423	5.99	474135	7.41	385929	12.10	435777	15.04
ZZZZZZ	139841	3.82	546041	4.75	292098	5.99	530560	7.41	412201	12.11	462756	15.04
ZZZZZZ	133989	3.82	523999	4.75	275849	5.99	501473	7.41	398711	12.10	455513	15.04
ZZZZZZ	132738	3.82	520756	4.75	279362	5.99	508075	7.41	395902	12.11	440443	15.05
ZZZZZZ	121694	3.82	468563	4.75	255793	5.99	465058	7.41	373823	12.11	417222	15.04
ZZZZZZ	120674	3.82	447910	4.75	235488	5.98	425066	7.41	326187	12.10	362843	15.04
ZZZZZZ	136616	3.82	515523	4.75	270737	5.99	478886	7.41	378603	12.11	445184	15.05
ZZZZZZ	134702	3.82	523367	4.75	275127	5.99	489962	7.41	370845	12.11	440861	15.05
ZZZZZZ	130462	3.82	497969	4.75	272087	5.99	474421	7.41	379710	12.11	449611	15.06
ZZZZZZ	122523	3.82	464951	4.75	242688	5.99	440315	7.42	417857	12.26	530951	15.25
ZZZZZZ	117239	3.82	449891	4.75	244625	5.99	451367	7.42	397751	12.14	470615	15.11
OP43007-MS	119217	3.82	443583	4.75	240544	5.99	426826	7.42	381460	12.14	452542	15.09
OP43007-MSD	120974	3.82	464694	4.75	246330	5.99	445699	7.42	398086	12.14	461794	15.08
JD55092-1	122710	3.82	462936	4.75	241293	5.99	430258	7.42	395594	12.13	474239	15.07
ZZZZZZ	120583	3.82	474298	4.75	247084	5.99	432597	7.42	385519	12.13	463681	15.07
ZZZZZZ	125403	3.82	472087	4.75	244863	5.99	428445	7.42	391078	12.13	468150	15.07
JD55285-1 [c]	96022	3.82	379365	4.76	193248	5.99	364803	7.42	334529	12.13	386416	15.07

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to matrix interference.

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9298-CC9252	**Injection Date:**	11/14/22
Lab File ID:	F210905.D	**Injection Time:**	09:29
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	113158	3.82	439614	4.75	250036	5.99	486857	7.42	439052	12.12	462383	15.05
Upper Limit [a]	226316	4.32	879228	5.25	500072	6.49	973714	7.92	878104	12.62	924766	15.55
Lower Limit [b]	56579	3.32	219807	4.25	125018	5.49	243429	6.92	219526	11.62	231192	14.55
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP43007-MB1	199535	3.82	762791	4.75	408290	5.99	735612	7.42	577825	12.11	638474	15.05
OP43007-BS1	128747	3.82	491393	4.75	265051	5.99	483470	7.42	377449	12.12	407459	15.05
ZZZZZZ	161622	3.82	628212	4.75	358536	5.99	651873	7.41	536641	12.11	592585	15.05
ZZZZZZ	156017	3.82	616348	4.75	317219	5.99	566307	7.42	464143	12.11	544354	15.05
ZZZZZZ	153911	3.82	600631	4.75	323906	5.99	588536	7.41	462712	12.11	518911	15.05
ZZZZZZ	141799	3.82	553886	4.75	288915	5.99	515973	7.41	412333	12.10	472577	15.05
ZZZZZZ	131319	3.82	504197	4.75	264423	5.99	474135	7.41	385929	12.10	435777	15.04
ZZZZZZ	139841	3.82	546041	4.75	292098	5.99	530560	7.41	412201	12.11	462756	15.04
ZZZZZZ	133989	3.82	523999	4.75	275849	5.99	501473	7.41	398711	12.10	455513	15.04
ZZZZZZ	132738	3.82	520756	4.75	279362	5.99	508075	7.41	395902	12.11	440443	15.05
ZZZZZZ	121694	3.82	468563	4.75	255793	5.99	465058	7.41	373823	12.11	417222	15.04
ZZZZZZ	120674	3.82	447910	4.75	235488	5.98	425066	7.41	326187	12.10	362843	15.04
ZZZZZZ	136616	3.82	515523	4.75	270737	5.99	478886	7.41	378603	12.11	445184	15.05
ZZZZZZ	134702	3.82	523367	4.75	275127	5.99	489962	7.41	370845	12.11	440861	15.05
ZZZZZZ	130462	3.82	497969	4.75	272087	5.99	474421	7.41	379710	12.11	449611	15.06
ZZZZZZ	122523	3.82	464951	4.75	242688	5.99	440315	7.42	417857	12.26	530951	15.25
ZZZZZZ	117239	3.82	449891	4.75	244625	5.99	451367	7.42	397751	12.14	470615	15.11
OP43007-MS	119217	3.82	443583	4.75	240544	5.99	426826	7.42	381460	12.14	452542	15.09
OP43007-MSD	120974	3.82	464694	4.75	246330	5.99	445699	7.42	398086	12.14	461794	15.08
JD55092-1	122710	3.82	462936	4.75	241293	5.99	430258	7.42	395594	12.13	474239	15.07
ZZZZZZ	120583	3.82	474298	4.75	247084	5.99	432597	7.42	385519	12.13	463681	15.07
ZZZZZZ	125403	3.82	472087	4.75	244863	5.99	428445	7.42	391078	12.13	468150	15.07
JD55285-1 [c]	96022	3.82	379365	4.76	193248	5.99	364803	7.42	334529	12.13	386416	15.07

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to matrix interference.

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std: EF9307-CC9252 **Injection Date:** 11/21/22
Lab File ID: F211132.D **Injection Time:** 23:43
Instrument ID: GCMSF **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	84887	3.84	324719	4.76	187052	6.00	360948	7.44	337895	12.16	355826	15.10
Upper Limit [a]	169774	4.34	649438	5.26	374104	6.50	721896	7.94	675790	12.66	711652	15.60
Lower Limit [b]	42444	3.34	162360	4.26	93526	5.50	180474	6.94	168948	11.66	177913	14.60
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP43229-MB1	50415	3.83	198666	4.76	111477	6.00	204836	7.43	177014	12.14	195457	15.07
OP43229-BS1 [c]	59343	3.84	235581	4.76	133589	6.00	257420	7.44	230118	12.14	259278	15.08
ZZZZZZ	48410	3.83	197238	4.76	109714	6.00	213383	7.44	181093	12.14	200654	15.07
ZZZZZZ	54098	3.83	214126	4.76	119547	6.00	224716	7.44	193406	12.14	218278	15.07
ZZZZZZ	61984	3.83	252410	4.76	141189	6.00	275688	7.44	242631	12.14	264799	15.07
ZZZZZZ	57716	3.83	230997	4.76	127790	6.00	239868	7.43	209075	12.14	234987	15.07
ZZZZZZ	54586	3.83	216117	4.76	117504	6.00	222385	7.44	199476	12.14	224828	15.07
ZZZZZZ	65237	3.84	254861	4.76	137187	6.00	253070	7.44	216486	12.15	240608	15.10
OP43229-MS [d]	64349	3.84	249528	4.76	142331	6.00	266507	7.44	231369	12.16	267170	15.10
OP43229-MSD [d]	60754	3.84	237058	4.76	132969	6.00	257915	7.44	220503	12.15	252155	15.10
JD55807-1	62288	3.84	249404	4.76	141740	6.00	270773	7.44	231948	12.16	271027	15.11
ZZZZZZ	65298	3.84	258108	4.76	146871	6.00	274840	7.44	232417	12.17	275216	15.12
ZZZZZZ	52571	3.84	202638	4.76	114236	6.00	217104	7.44	188508	12.16	219870	15.11
ZZZZZZ	53244	3.84	209506	4.76	115972	6.00	223677	7.44	194813	12.16	227243	15.10
ZZZZZZ	59050	3.84	234367	4.76	133454	6.00	252354	7.44	218269	12.17	259961	15.12
ZZZZZZ	61848	3.84	243089	4.76	137053	6.00	259186	7.44	214905	12.17	257183	15.11
ZZZZZZ	60608	3.84	236397	4.76	131593	6.00	245997	7.45	222360	12.22	267452	15.17
ZZZZZZ	57996	3.84	232990	4.76	132962	6.00	252722	7.44	216226	12.16	253278	15.11
ZZZZZZ	58626	3.84	240738	4.76	134167	6.00	256161	7.44	223577	12.18	269331	15.12
ZZZZZZ	49489	3.84	196894	4.76	112115	6.00	215671	7.44	185420	12.16	217067	15.11
ZZZZZZ	55767	3.84	225232	4.76	128583	6.00	247456	7.44	221175	12.16	254804	15.11
ZZZZZZ	58767	3.84	234691	4.76	134826	6.00	255166	7.44	223853	12.16	261256	15.11
ZZZZZZ	59252	3.84	234208	4.76	132492	6.00	259436	7.44	217735	12.16	262098	15.11
ZZZZZZ	50086	3.84	204356	4.76	115257	6.00	227174	7.44	206998	12.15	239759	15.10
JD55285-1	60631	3.84	234282	4.76	132653	6.00	253116	7.44	244664	12.16	286821	15.10

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9307-CC9252	**Injection Date:**	11/21/22
Lab File ID:	F211132.D	**Injection Time:**	23:43
Instrument ID:	GCMSF	**Method:**	SW846 8270E

Lab	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(c) Recovery indicates possible low bias. Since balnk spike duplicate recoveries are within control limits, data are qualified and reported.
(d) Dilution required due to viscosity of the extract matrix.

Surrogate Recovery Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD55285-1	F211159.D	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]
JD55285-1	F210930.D	22	24	81	87	85	68
OP43091-BS1	F210887.D	47	33	96	87	93	95
OP43091-BS13	F210889.D	30	20	77	69	78	75
OP43091-BSD	F210888.D	39	27	86	79	82	90
OP43091-MB1	F210886.D	29	19	75	64	66	71

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-71%
S2 = Phenol-d5	10-58%
S3 = 2,4,6-Tribromophenol	22-144%
S4 = Nitrobenzene-d5	28-118%
S5 = 2-Fluorobiphenyl	34-116%
S6 = Terphenyl-d14	10-127%

(a) Outside control limits due to dilution.

Initial Calibration Summary

Job Number: JD55285 **Sample:** EF9252-ICC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209865.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Initial Calibration

Calibration Files
2 =F209864.D 5 =F209866.D 25 =F209867.D 80 =F209863.D
100 =F209861.D 50 =F209865.D 10 =F209868.D 1 =F209862.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.496	0.481	0.511	0.509	0.524	0.526	0.565	0.656	0.533	10.37
3) Pyridine	1.211	1.190	1.410	1.384	1.429	1.351	1.259	1.236	1.309	7.29
4) N-Nitrosodim	0.685	0.582	0.596	0.596	0.624	0.599	0.596	0.444	0.590	11.43
5) 2-Fluorophen	1.156	1.188	1.278	1.246	1.337	1.269	1.217	1.138	1.229	5.44
6) Indene	2.084	2.030	2.164	2.025	2.073	2.071	2.179	1.970	2.074	3.38
7) Cumene	2.653	2.638	2.719	2.652	2.735	2.692	2.619	2.559	2.658	2.14
8) Phenol-d5	1.382	1.408	1.528	1.431	1.475	1.473	1.507	1.290	1.437	5.36
9) Phenol	1.534	1.523	1.542	1.449	1.488	1.498	1.542	1.363	1.492	4.09
10) Aniline	1.653	1.791	1.909	1.780	1.846	1.816	1.842	1.544	1.773	6.66
11) bis(2-Chloro	1.076	1.135	1.192	1.144	1.181	1.166	1.121	1.020	1.130	5.07
12) 2-Chlorophen	1.238	1.275	1.368	1.334	1.379	1.361	1.339	1.127	1.303	6.60
13) Decane	1.148	1.129	1.131	0.994	1.024	1.068	1.183	1.138	1.102	5.99
14) 1,3-Dichloro	1.525	1.540	1.521	1.441	1.494	1.487	1.516	1.449	1.497	2.41
15) 1,4-Dichloro	1.518	1.534	1.541	1.443	1.456	1.492	1.519	1.544	1.506	2.57
16) Benzyl alcoh	0.726	0.737	0.797	0.766	0.788	0.788	0.778	0.669	0.756	5.73
17) 1,2-Dichloro	1.502	1.391	1.443	1.372	1.400	1.391	1.454	1.347	1.412	3.56
18) Acetophenone	1.535	1.495	1.643	1.543	1.560	1.570	1.594	1.494	1.554	3.20
19) 2-Methylphen	1.000	1.041	1.100	1.022	1.061	1.048	1.076	0.904	1.031	5.83
20) 2,2'-oxybis(	0.342	0.329	0.344	0.316	0.332	0.329	0.324	0.336	0.332	2.75
21) 3&4-Methylph	1.115	1.093	1.147	1.061	1.056	1.091	1.132	1.044	1.092	3.42
22) n-Nitroso-di	0.732	0.770	0.830	0.780	0.768	0.828	0.807	0.685	0.775	6.36
23) Hexachloroet	0.603	0.568	0.607	0.562	0.551	0.579	0.565	0.546	0.573	3.93
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.304	0.322	0.345	0.331	0.334	0.346	0.330	0.304	0.327	4.94
26) Nitrobenzene	0.339	0.326	0.352	0.330	0.327	0.343	0.353	0.323	0.337	3.49
27) Quinoline	0.599	0.627	0.673	0.661	0.652	0.689	0.664	0.613	0.647	4.81
28) Isophorone	0.557	0.574	0.616	0.580	0.595	0.612	0.601	0.553	0.586	4.05
29) 2-Nitropheno	0.185	0.176	0.207	0.193	0.196	0.206	0.203	0.162	0.191	8.33
30) 2,4-Dimethyl	0.303	0.310	0.337	0.321	0.311	0.332	0.324	0.293	0.316	4.68
31) Benzoic acid		0.165	0.246	0.273	0.259	0.259	0.203		0.234	17.78
32) bis(2-Chloro	0.363	0.362	0.396	0.372	0.359	0.385	0.398	0.361	0.374	4.35
33) 2,4-Dichloro	0.299	0.285	0.316	0.294	0.291	0.313	0.302	0.245	0.293	7.54
34) 2,6-Dichloro	0.292	0.288	0.311	0.288	0.282	0.301	0.300	0.285	0.293	3.36
35) 1,3,5-Trichl	0.352	0.365	0.368	0.341	0.326	0.362	0.374	0.375	0.358	4.81
36) 1,2,4-Trichl	0.362	0.352	0.356	0.342	0.328	0.356	0.359	0.340	0.349	3.31
37) 1,2,3-Trichl	0.328	0.347	0.341	0.323	0.314	0.339	0.334	0.317	0.330	3.55
38) Naphthalene	1.038	1.001	1.039	0.958	0.923	1.001	1.051	1.033	1.005	4.45
39) 4-Chloroanil	0.410	0.404	0.441	0.408	0.391	0.421	0.439	0.404	0.415	4.23
40) 2,3-Dichloro	0.321	0.334	0.355	0.337	0.328	0.362	0.361	0.322	0.340	5.02
41) Hydroquinone	0.247	0.283	0.292	0.310	0.308	0.297	0.311	0.260	0.288	8.28
42) Hexachlorobu	0.191	0.199	0.206	0.197	0.187	0.205	0.207	0.207	0.200	3.83
43) 4-Chloro-3-m	0.244	0.241	0.269	0.261	0.258	0.269	0.260	0.256	0.257	3.95
44) 2-Methylnaph	0.557	0.555	0.595	0.562	0.541	0.579	0.593	0.552	0.567	3.53
45) 1-Methylnaph	0.608	0.592	0.654	0.606	0.583	0.644	0.647	0.633	0.621	4.33

Initial Calibration Summary

Job Number: JD55285 **Sample:** EF9252-ICC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209865.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

46)	I Acenaphthene-d10	ISTD									
47)	Hexachlorocy	0.306	0.323	0.376	0.365	0.369	0.373	0.341	0.273	0.341	11.00
48)	1,2,4,5-tetr	0.665	0.626	0.646	0.607	0.616	0.641	0.613	0.614	0.629	3.22
49)	2,4,6-Trichl	0.373	0.380	0.427	0.399	0.406	0.426	0.413	0.346	0.396	7.07
50)	2,4,5-Trichl	0.393	0.409	0.460	0.445	0.447	0.463	0.427	0.346	0.424	9.39
51)	2-Fluorobiph	1.402	1.309	1.394	1.264	1.304	1.363	1.326	1.309	1.334	3.61
52)	2-Chloronaph	1.209	1.186	1.226	1.148	1.137	1.239	1.239	1.111	1.187	4.16
53)	Biphenyl	1.489	1.436	1.496	1.379	1.349	1.455	1.480	1.429	1.439	3.68
54)	2-Nitroanili	0.273	0.279	0.305	0.297	0.316	0.311	0.296	0.255	0.292	7.13
55)	Dimethylphth	1.341	1.251	1.367	1.294	1.299	1.355	1.317	1.194	1.302	4.41
56)	Acenaphthyle	1.539	1.477	1.615	1.545	1.556	1.598	1.589	1.462	1.548	3.55
57)	2,6-Dinitrot	0.257	0.273	0.314	0.314	0.323	0.326	0.298	0.272	0.297	8.98
58)	3-Nitroanili	0.280	0.309	0.363	0.347	0.344	0.360	0.328	0.265	0.325	11.29
59)	Acenaphthene	1.153	1.122	1.193	1.124	1.131	1.173	1.175	1.123	1.149	2.46
60)	2,4-Dinitrop	0.106	0.136	0.216	0.231	0.241	0.237	0.166		0.191	28.44
	----- Quadratic regression -----									Coefficient =	0.9984
	Response Ratio = -0.01528 + 0.21962 *A + 0.00488 *A^2										
61)	4-Nitropheno	0.119	0.134	0.165	0.165	0.176	0.175	0.152		0.155	13.84
62)	Dibenzofuran	1.635	1.614	1.671	1.519	1.549	1.629	1.632	1.654	1.613	3.24
63)	2,4-Dinitrot	0.365	0.357	0.418	0.406	0.427	0.429	0.397	0.316	0.389	10.27
64)	2,3,4,6-Tetr	0.302	0.317	0.348	0.359	0.362	0.361	0.323	0.303	0.334	7.75
65)	Diethylphtha	1.228	1.213	1.336	1.294	1.332	1.366	1.267	1.208	1.281	4.75
66)	Fluorene	1.219	1.232	1.298	1.237	1.295	1.330	1.288	1.225	1.265	3.32
67)	4-Chlorophen	0.618	0.626	0.656	0.628	0.639	0.658	0.613	0.605	0.630	3.07
68)	4-Nitroanili	0.246	0.283	0.349	0.349	0.360	0.362	0.317	0.234	0.312	16.64
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.100	0.145	0.150	0.151	0.148	0.121		0.136	15.25
71)	n-Nitrosodip	0.577	0.573	0.618	0.596	0.590	0.609	0.599	0.549	0.589	3.75
72)	1,2-Diphenyl	0.656	0.645	0.695	0.649	0.638	0.666	0.694	0.576	0.652	5.76
73)	2,4,6-Tribro	0.105	0.107	0.118	0.119	0.119	0.118	0.113		0.114	4.91
74)	4-Bromopheny	0.187	0.196	0.207	0.210	0.207	0.208	0.195	0.206	0.202	4.10
75)	Hexachlorobe	0.223	0.230	0.243	0.245	0.242	0.245	0.241	0.208	0.235	5.66
76)	Pentachlorop	0.122	0.137	0.167	0.169	0.168	0.167	0.152	0.111	0.149	15.46
77)	Phenanthrene	1.003	1.002	1.072	1.019	1.007	1.046	1.027	1.032	1.026	2.36
78)	Anthracene	0.935	0.983	1.084	1.036	1.037	1.069	1.021	0.923	1.011	5.84
79)	Carbazole	0.825	0.904	1.005	0.960	0.959	0.993	0.948	0.823	0.927	7.59
80)	Di-n-butylph	1.032	1.077	1.271	1.263	1.265	1.272	1.157	1.000	1.167	9.97
81)	Fluoranthene	0.928	1.000	1.121	1.123	1.125	1.140	1.050	0.914	1.050	8.81
82)	Octadecane	0.304	0.326	0.365	0.349	0.343	0.367	0.361	0.298	0.339	8.03
83)	I Chrysene-d12	ISTD									
84)	Benzidine		0.603	0.705	0.771	0.703	0.741	0.637		0.693	9.09
85)	Pyrene	1.313	1.390	1.468	1.398	1.376	1.455	1.430	1.285	1.389	4.63
86)	Terphenyl-d1	0.914	0.913	0.970	0.977	0.962	0.980	0.948	0.859	0.940	4.48
87)	Butylbenzylp	0.494	0.539	0.670	0.687	0.679	0.692	0.597	0.440	0.600	16.40
88)	Benzo[a]anth	1.186	1.166	1.255	1.284	1.263	1.296	1.178	1.133	1.220	5.03
89)	3,3'-Dichlor	0.368	0.416	0.482	0.517	0.512	0.523	0.454	0.328	0.450	16.30
90)	Chrysene	1.224	1.231	1.272	1.258	1.241	1.313	1.241	1.162	1.243	3.46
91)	bis(2-Ethylh	0.608	0.731	0.921	0.979	0.966	0.985	0.817		0.858	16.92
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph	0.838	1.058	1.564	1.664	1.618	1.658	1.269		1.381	23.98
	----- Quadratic regression -----									Coefficient =	0.9987
	Response Ratio = -0.05350 + 1.64048 *A + 0.01083 *A^2										
94)	Benzo[b]fluo	1.028	1.095	1.219	1.324	1.348	1.259	1.165	0.994	1.179	11.19
95)	Benzo[k]fluo	1.063	1.087	1.270	1.161	1.067	1.279	1.192	0.999	1.140	8.99

8.6.1

8

Initial Calibration Summary

Job Number: JD55285 **Sample:** EF9252-ICC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209865.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

96)	Benzo[a]pyre	0.890	0.981	1.157	1.205	1.171	1.197	1.036	0.806	1.056	14.38
97)	Indeno[1,2,3	0.757	0.790	0.974	1.016	0.993	1.016	0.874	0.683	0.888	14.74
98)	Dibenz(a,h)a	0.661	0.704	0.888	0.958	0.940	0.957	0.804	0.611	0.816	17.29
99)	Dibenz[a,h]a	0.841	0.871	1.043	1.088	1.055	1.081	0.963	0.794	0.967	12.09
100)	7,12-Dimethy	0.433	0.485	0.529	0.579	0.565	0.554	0.530	0.399	0.509	12.71
101)	Benzo[g,h,i]	0.923	0.964	1.133	1.146	1.126	1.164	1.026	0.916	1.050	9.98

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF9252.M Tue Sep 27 15:33:00 2022

Initial Calibration Summary

Job Number: JD55285 **Sample:** EF9253-ICC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209872.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9253.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Sep 26 13:46:46 2022
Response via : Initial Calibration

Calibration Files
2 =F209876.D 5 =F209875.D 25 =F209873.D 80 =F209871.D
100 =F209870a.D 50 =F209872.D 10 =F209874.D 1 =F209877.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
157) I 1,4-Dichlorobenzene-d	ISTD									
158) Benzaldehyde	0.961	0.944	1.005	0.972	1.005	1.000	0.961	0.989	0.980	2.39
159) I Phenanthrene-d10b	ISTD									
160) Atrazine	0.137	0.153	0.181	0.191	0.192	0.182	0.171	0.123	0.167	15.47
161) I Naphthalene-d8b	ISTD									
162) Caprolactam	0.091	0.098	0.118	0.119	0.125	0.117	0.109		0.111	11.16

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF9252.M Mon Sep 26 13:48:04 2022

8.6.2

8

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9253-ICV9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209878.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9253\F209878.D Vial: 10
Acq On : 24 Sep 2022 11:31 pm Operator: kristis
Sample : icv9253-50 Inst : GCMSF
Misc : op41953,ef9253,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Sep 26 13:46:46 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	101	0.00	3.97
158	Benzaldehyde	0.980	1.012	-3.3	102	0.00	3.64
159 I	Phenanthrene-d10b	1.000	1.000	0.0	99	0.00	7.67
160	Atrazine	0.167	0.185	-10.8	100	0.00	7.40
161 I	Naphthalene-d8b	1.000	1.000	0.0	98	0.00	4.89
162	Caprolactam	0.111	0.122	-9.9	102	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Mon Sep 26 13:53:43 2022

Initial Calibration Summary

Job Number: JD55285 **Sample:** EF9254-ICC9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209882.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9254.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 17:02:40 2022
Response via : Initial Calibration

Calibration Files
2 =F209886.D 5 =F209885.D 25 =F209883.D 80 =F209881.D
100 =F209880.D 50 =F209882.D 10 =F209884.D 1 =F209887.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) 2-Picoline	1.212	1.192	1.325	1.291	1.316	1.238	1.256	0.981	1.226	8.96
104) Pentachloroe	0.561	0.561	0.576	0.556	0.546	0.561	0.575	0.528	0.558	2.77
105) Methyl metha	0.688	0.680	0.685	0.689	0.688	0.689	0.688	0.618	0.678	3.62
106) N-Nitrosodie	0.503	0.518	0.552	0.528	0.541	0.541	0.534	0.519	0.529	3.00
107) N-Nitrosomet	0.527	0.486	0.586	0.574	0.587	0.570	0.646		0.568	8.88
108) Ethyl methan	0.936	0.952	0.971	0.940	0.906	0.942	0.957	0.899	0.938	2.62
109) N-Nitrosopyr	0.506	0.487	0.491	0.494	0.554	0.482	0.475	0.409	0.488	8.20
110) N-Nitrosomor	0.631	0.641	0.651	0.571	0.582	0.583	0.662	0.629	0.619	5.66
111) o-Toluidine	1.834	1.843	1.789	1.509	1.446	1.545	1.914	1.885	1.721	10.93
112) I Naphthalene-d8A	ISTD									
113) O,O,O-Trieth	0.151	0.146	0.154	0.151	0.151	0.156	0.154	0.147	0.151	2.44
114) N-Nitrosopip	0.194	0.200	0.220	0.208	0.202	0.213	0.215	0.200	0.206	4.31
115) A,A-Dimethyl	0.558	0.534	0.678	0.711	0.714	0.715	0.664	0.470	0.630	15.20
116) Hexachloropr	0.235	0.232	0.253	0.246	0.238	0.253	0.250	0.242	0.244	3.34
117) N-Nitrosodi-	0.206	0.190	0.198	0.193	0.187	0.201	0.191	0.219	0.198	5.26
118) p-Phenylened		0.066	0.079	0.087	0.069	0.072	0.142		0.086	33.18
119) Safrole	0.227	0.233	0.261	0.256	0.243	0.256	0.260	0.239	0.247	5.25
120) Isosafrole	0.134	0.145	0.156	0.157	0.152	0.152	0.141	0.118	0.144	9.20
121) Acenaphthene-d10A	ISTD									
122) Thionazin	0.138	0.149	0.167	0.153	0.156	0.172	0.161		0.157	7.32
123) Tetraethyl d	0.116	0.146	0.167	0.155	0.159	0.156	0.149		0.150	10.85
124) Phorate	0.791	0.932	1.021	0.932	0.946	0.998	0.974	0.757	0.919	10.38
125) Phenacetin	0.402	0.534	0.606	0.579	0.586	0.613	0.548		0.553	13.10
126) 1,4-Naphthoq	0.230	0.299	0.367	0.337	0.331	0.378	0.324	0.233	0.312	17.84
127) m-Dinitroben	0.168	0.184	0.218	0.208	0.222	0.223	0.208		0.204	10.24
128) Pentachlorob	0.532	0.506	0.526	0.502	0.510	0.530	0.519	0.548	0.522	2.95
129) 2-Naphthylam	1.052	1.125	1.143	0.999	0.981	1.090	1.163	1.072	1.078	6.09
130) 1-Naphthylam	0.956	0.990	0.978	0.898	0.896	0.955	1.059	0.910	0.955	5.78
131) 5-Nitro-o-to	0.283	0.354	0.403	0.369	0.373	0.393	0.375	0.285	0.355	12.93
132) I Phenanthrene-d10A	ISTD									
133) Disulfoton	0.272	0.282	0.301	0.299	0.299	0.300	0.312	0.275	0.293	4.82
134) Dinoseb		0.134	0.189	0.207	0.210	0.207	0.153		0.183	17.55
135) Dimethoate	0.207	0.237	0.253	0.219	0.214	0.237	0.242	0.177	0.223	10.81
136) 4-Aminobiphe	0.657	0.704	0.729	0.670	0.679	0.717	0.728	0.647	0.691	4.68
137) Methyl parat	0.133	0.168	0.188	0.171	0.171	0.186	0.178		0.171	10.77
138) Parathion	0.098	0.125	0.143	0.143	0.144	0.146	0.131		0.133	13.04
139) Diphenylamin	0.530	0.528	0.557	0.504	0.505	0.522	0.542	0.509	0.525	3.57
140) Isodrin	0.116	0.111	0.127	0.125	0.127	0.126	0.120		0.122	5.01
141) Diallate	0.071	0.063	0.065	0.063	0.063	0.064	0.076		0.067	7.90
142) Pentachloron	0.038	0.039	0.043	0.039	0.039	0.040	0.040		0.040#	3.78

Initial Calibration Summary

Job Number: JD55285 **Sample:** EF9254-ICC9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209882.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
143) Pronamide    0.263 0.289 0.327 0.325 0.320 0.332 0.304 0.234 0.299  11.67
144) 4-Nitroquino 0.041 0.067 0.111 0.110 0.110 0.114 0.083       0.091  31.18
          ----- Quadratic regression -----                Coefficient =  0.9985
               Response Ratio = -0.01901 + 0.11641 *A + -0.00044 *A^2

145) Methapyrilin 0.294 0.306 0.300 0.191 0.174 0.237 0.362       0.266  25.49
          ----- Quadratic regression -----                Coefficient =  0.9949
               Response Ratio = -0.00051 + 0.33378 *A + -0.06694 *A^2

146) sym-Trinitro       0.050 0.072 0.075 0.075 0.076 0.059       0.068  16.11

147) I   Chrysene-d12A         -----------------ISTD----------------------
148) Aramite            0.046 0.065 0.066 0.065 0.064 0.050       0.059  15.29
149) p-(Dimethyla 0.242 0.325 0.387 0.387 0.378 0.390 0.360       0.353  15.35
150) Kepone       0.135 0.140 0.116 0.074 0.065 0.090 0.149 0.119 0.111  28.33
          ----- Quadratic regression -----                Coefficient =  0.9933
               Response Ratio = 0.00154 + 0.13296 *A + -0.00475 *A^2

151) Famphur      0.499 0.535 0.442 0.244       0.320 0.543 0.465 0.435  25.92
          ----- Quadratic regression -----                Coefficient =  0.9951
               Response Ratio = -0.00356 + 0.53423 *A + -0.02492 *A^2

152) 2-Acetylamin       0.377 0.526 0.560 0.557 0.558 0.440       0.503  15.33
153) Chlorobenzil 0.293 0.335 0.389 0.396 0.391 0.393 0.355 0.235 0.348  16.67

154) I   Perylene-d12A         -----------------ISTD----------------------
155) Hexachloroph                                                 0.000# -1.00
156) 3-Methylchol 0.141 0.169 0.227 0.246 0.248 0.241 0.212       0.212  19.79


 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MF9252.M          Tue Sep 27 17:43:16 2022
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8.6.4

8

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209888.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209888.D Vial: 10
Acq On : 27 Sep 2022 8:02 am Operator: chriss2
Sample : icv9254-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 17:02:40 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	95	0.00	3.96
103	M	2-Picoline	1.226	1.330	-8.5	102	0.00	2.34
106	M	N-Nitrosodiethylamine	0.529	0.542	-2.5	95	0.00	3.12
107	M	N-Nitrosomethylethylamine	0.568	0.606	-6.7	101	0.00	2.49
109	M	N-Nitrosopyrrolidine	0.488	0.483	1.0	95	-0.01	4.26
110	M	N-Nitrosomorpholine	0.619	0.595	3.9	96	0.00	4.29
111	M	o-Toluidine	1.721	1.804	-4.8	110	0.00	4.29
112	I	Naphthalene-d8A	1.000	1.000	0.0	99	0.00	4.89
114	M	N-Nitrosopiperidine	0.206	0.206	0.0	96	0.00	4.50
115	M	A,A-Dimethylphenethylamin	0.630	0.711	-12.9	99	-0.04	4.81
117	M	N-Nitrosodi-n-butylamine	0.198	0.195	1.5	96	0.00	5.20
118		p-Phenylenediamine	0.086	0.339	-294.2#	464#	0.00	5.20
121		Acenaphthene-d10A	1.000	1.000	0.0	99	0.00	6.13
129	M	2-Naphthylamine	1.078	1.205	-11.8	109	0.00	6.44
130	M	1-Naphthylamine	0.955	1.160	-21.5	120	0.00	6.37
131	M	5-Nitro-o-toluidine	0.355	0.354	0.3	89	0.00	6.63
132	I	Phenanthrene-d10A	1.000	1.000	0.0	95	0.00	7.64
136	M	4-Aminobiphenyl	0.691	0.758	-9.7	101	0.00	7.44
147	I	Chrysene-d12A	1.000	1.000	0.0	92	0.00	12.45
149	M	p-(Dimethylamine)azobenze	0.353	0.345	2.3	81	0.00	10.71
		----------	AvgRF	CCRF	% Dev	----------		
152	M	2-Acetylaminofluorene	0.503	0.514	-2.2	85	0.00	11.94

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209888.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209882A.D MF9252.M Tue Sep 27 17:43:33 2022

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209889.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209889.D Vial: 11
Acq On : 27 Sep 2022 8:27 am Operator: chriss2
Sample : icv9254-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 17:02:40 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	97	0.00	3.96
104	Pentachloroethane	0.558	0.547	2.0	95	0.00	3.74
105 M	Methyl methanesulfonate	0.678	0.685	-1.0	97	0.00	2.79
108 M	Ethyl methanesulfonate	0.938	0.950	-1.3	98	0.00	3.40
112 I	Naphthalene-d8A	1.000	1.000	0.0	102	0.00	4.89
116 M	Hexachloropropene	0.244	0.235	3.7	95	0.00	4.96
119 M	Safrole	0.247	0.255	-3.2	102	0.00	5.34
120	Isosafrole	0.144	0.253	-75.7#	170	0.00	5.71
121	Acenaphthene-d10A	1.000	1.000	0.0	97	0.00	6.13
125 M	Phenacetin	0.553	0.582	-5.2	93	0.00	7.10
126 M	1,4-Naphthoquinone	0.312	0.498	-59.6#	128	0.00	5.87
128 M	Pentachlorobenzene	0.522	0.502	3.8	92	0.00	6.27
132 I	Phenanthrene-d10A	1.000	1.000	0.0	99	0.00	7.65
140 M	Isodrin	0.122	0.130	-6.6	102	0.00	9.27
141 M	Diallate	0.067	0.066	1.5	102	0.00	7.15
142 M	Pentachloronitrobenzene	0.040	0.038	5.0	96	0.00	7.43
143 M	Pronamide	0.299	0.322	-7.7	96	0.00	7.56
	----------	True	Calc.	% Drift	----------		
144 M	4-Nitroquinoline 1-oxide	200.000	191.864	4.1	84	-0.02	8.88
	----------	AvgRF	CCRF	% Dev	----------		
146 M	sym-Trinitrobenzene	0.068	0.069	-1.5	90	0.00	7.05
147 I	Chrysene-d12A	1.000	1.000	0.0	93	0.00	12.45
148	Aramite	0.059	0.064	-8.5	92	0.00	10.51
	----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209889.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

150	Kepone	300.000	375.54	-25.2	162	0.00	11.30
		AvgRF	CCRF	% Dev			
153 M	Chlorobenzilate	0.348	0.388	-11.5	92	0.00	10.87
154 I	Perylene-d12A	1.000	1.000	0.0	94	-0.01	15.40
156	3-Methylcholanthrene	0.212	0.250	-17.9	98	0.00	16.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209882A.D MF9252.M Tue Sep 27 17:43:35 2022

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209890.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209890.D Vial: 12
Acq On : 27 Sep 2022 8:53 am Operator: chriss2
Sample : icv9254-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 17:02:40 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8A	1.000	1.000	0.0	100	0.00	4.88
113 M	O,O,O-Triethyl phosphorot	0.151	0.152	-0.7	98	0.00	4.72
121	Acenaphthene-d10A	1.000	1.000	0.0	96	0.00	6.13
122 M	Thionazin	0.157	0.165	-5.1	93	0.00	6.60
123 M	Tetraethyl dithiopyrophos	0.150	0.160	-6.7	99	0.00	6.94
124 M	Phorate	0.919	0.733	20.2	71	0.00	7.06
132 I	Phenanthrene-d10A	1.000	1.000	0.0	96	0.00	7.64
133 M	Disulfoton	0.293	0.331	-13.0	106	0.00	7.72
135 M	Dimethoate	0.223	0.254	-13.9	104	0.00	7.25
137 M	Methyl parathion	0.171	0.195	-14.0	101	0.00	8.25
138 M	Parathion	0.133	0.137	-3.0	90	0.00	8.92
147 I	Chrysene-d12A	1.000	1.000	0.0	91	0.00	12.45
		True	Calc.	% Drift			
150	Kepone		NA				
151 M	Famphur	300.000	344.49	-14.8	162	-0.02	11.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209882A.D MF9252.M Tue Sep 27 17:43:37 2022

8.6.7

8

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209891.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209891.D Vial: 13
Acq On : 27 Sep 2022 9:18 am Operator: chriss2
Sample : icv9254-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 17:02:40 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
121	Acenaphthene-d10A	1.000	1.000	0.0	90	0.00	6.14
127 M	m-Dinitrobenzene	0.204	0.224	-9.8	90	0.00	5.97
132 I	Phenanthrene-d10A	1.000	1.000	0.0	88	0.00	7.64
139 M	Diphenylamine	0.525	0.628	-19.6	106	0.00	6.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209882A.D MF9252.M Tue Sep 27 17:43:39 2022

8.9.8

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209892.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209892.D Vial: 14
Acq On : 27 Sep 2022 9:44 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	-0.01	3.96
2	t	1,4-Dioxane	0.533	0.491	7.9	87	-0.02	1.32
6	t	Indene	2.074	2.041	1.6	92	-0.01	4.15
7	t	Cumene	2.658	2.451	7.8	85	-0.02	3.34
11	t	bis(2-Chloroethyl)ether	1.130	1.090	3.5	87	-0.02	3.78
13	t	Decane	1.102	1.117	-1.4	97	-0.02	3.86
14	t	1,3-Dichlorobenzene	1.497	1.420	5.1	89	-0.01	3.92
15	t	1,4-Dichlorobenzene	1.506	1.464	2.8	91	-0.01	3.97
16	t	Benzyl alcohol	0.756	0.748	1.1	88	-0.02	4.09
17	t	1,2-Dichlorobenzene	1.412	1.376	2.5	92	-0.01	4.08
18	t	Acetophenone	1.554	1.515	2.5	90	-0.02	4.27
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.328	1.2	93	-0.01	4.19
23	t	Hexachloroethane	0.573	0.532	7.2	85	-0.02	4.33
24	I	Naphthalene-d8	1.000	1.000	0.0	96	-0.01	4.89
26	t	Nitrobenzene	0.337	0.329	2.4	92	-0.02	4.39
27	t	Quinoline	0.647	0.616	4.8	85	-0.02	5.14
28	t	Isophorone	0.586	0.567	3.2	89	-0.02	4.57
32	t	bis(2-Chloroethoxy)methan	0.374	0.363	2.9	90	-0.02	4.74
35		1,3,5-Trichlorobenzene	0.358	0.340	5.0	90	-0.01	4.63
36	t	1,2,4-Trichlorobenzene	0.349	0.329	5.7	88	-0.01	4.85
37		1,2,3-Trichlorobenzene	0.330	0.321	2.7	91	-0.01	5.01
38	t	Naphthalene	1.005	0.969	3.6	93	-0.01	4.90
40	t	2,3-Dichloroaniline	0.340	0.337	0.9	89	-0.02	5.59
42	t	Hexachlorobutadiene	0.200	0.182	9.0	85	-0.02	4.99
44	t	2-Methylnaphthalene	0.567	0.521	8.1	86	-0.01	5.40
45	t	1-Methylnaphthalene	0.621	0.587	5.5	87	-0.02	5.46
46	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.02	6.13
47	t	Hexachlorocyclopentadiene	0.341	0.433	-27.0	109	-0.01	5.51
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.607	3.5	89	-0.01	5.51
52	t	2-Chloronaphthalene	1.187	1.167	1.7	88	-0.02	5.73
53	t	Biphenyl	1.439	1.402	2.6	90	-0.02	5.73
55	t	Dimethylphthalate	1.302	1.232	5.4	85	-0.02	5.96
56	t	Acenaphthylene	1.548	1.842	-19.0	108	-0.02	6.03
57	t	2,6-Dinitrotoluene	0.297	0.289	2.7	83	-0.02	6.00
59	t	Acenaphthene	1.149	1.174	-2.2	94	-0.02	6.16
62	t	Dibenzofuran	1.613	1.557	3.5	90	-0.02	6.30
63	t	2,4-Dinitrotoluene	0.389	0.379	2.6	83	-0.02	6.31
65	t	Diethylphthalate	1.281	1.212	5.4	83	-0.03	6.53
66	t	Fluorene	1.265	1.234	2.5	87	-0.03	6.60
67	t	4-Chlorophenyl-phenylethe	0.630	0.588	6.7	84	-0.02	6.62

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209892.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

69	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.03	7.64
72	t	1,2-Diphenylhydrazine	0.652	0.684	-4.9	92	-0.02	6.77
74	t	4-Bromophenyl-phenylether	0.202	0.189	6.4	81	-0.03	7.13
75	t	Hexachlorobenzene	0.235	0.225	4.3	82	-0.03	7.16
77	t	Phenanthrene	1.026	0.987	3.8	85	-0.03	7.68
78	t	Anthracene	1.011	0.994	1.7	83	-0.03	7.75
79	t	Carbazole	0.927	0.930	-0.3	84	-0.03	8.00
80	t	Di-n-butylphthalate	1.167	1.196	-2.5	84	-0.03	8.67
81	t	Fluoranthene	1.050	1.041	0.9	82	-0.04	9.55
82	t	Octadecane	0.339	0.366	-8.0	89	-0.03	7.63
83	I	Chrysene-d12	1.000	1.000	0.0	86	-0.04	12.46
85	t	Pyrene	1.389	1.388	0.1	82	-0.04	9.95
87	t	Butylbenzylphthalate	0.600	0.640	-6.7	79	-0.04	11.58
88	t	Benzo[a]anthracene	1.220	1.204	1.3	80	-0.04	12.44
90	t	Chrysene	1.243	1.159	6.8	76	-0.05	12.51
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.882	-2.8	77	-0.04	12.99
92	I	Perylene-d12	1.000	1.000	0.0	82	-0.05	15.41
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	47.433	5.1	76	-0.04	14.42
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.192	-1.1	78	-0.05	14.69
95	t	Benzo[k]fluoranthene	1.140	1.209	-6.1	78	-0.05	14.75
96	t	Benzo[a]pyrene	1.056	1.028	2.7	71	-0.05	15.29
97	t	Indeno[1,2,3-cd]pyrene	0.888	0.937	-5.5	76	-0.05	17.32
98	t	Dibenz(a,h)acridine	0.816	0.855	-4.8	73	-0.05	16.99
99	t	Dibenz[a,h]anthracene	0.967	1.006	-4.0	77	-0.05	17.41
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.531	-4.3	79	-0.05	14.72
101	t	Benzo[g,h,i]perylene	1.050	1.094	-4.2	77	-0.06	17.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:33 2022

8.6.9

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209893.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209893.D Vial: 15
Acq On : 27 Sep 2022 10:10 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.01	3.96
9	t	Phenol	1.492	1.514	-1.5	95	-0.02	3.74
12	t	2-Chlorophenol	1.303	1.325	-1.7	92	-0.02	3.81
19	t	2-Methylphenol	1.031	1.072	-4.0	96	-0.02	4.19
21	t	3&4-Methylphenol	1.092	1.111	-1.7	96	-0.02	4.31
24	I	Naphthalene-d8	1.000	1.000	0.0	98	-0.01	4.89
29	t	2-Nitrophenol	0.191	0.195	-2.1	93	-0.01	4.62
30	t	2,4-Dimethylphenol	0.316	0.313	0.9	93	-0.01	4.68
31	t	Benzoic acid	0.234	0.169	27.8	64	-0.03	4.78
33	t	2,4-Dichlorophenol	0.293	0.291	0.7	91	-0.02	4.80
34		2,6-Dichlorophenol	0.293	0.293	0.0	96	-0.02	4.96
41	t	Hydroquinone	0.288	0.312	-8.3	103	-0.02	5.22
43	t	4-Chloro-3-methylphenol	0.257	0.251	2.3	92	-0.02	5.32
46	I	Acenaphthene-d10	1.000	1.000	0.0	97	-0.02	6.13
49	t	2,4,6-Trichlorophenol	0.396	0.399	-0.8	91	-0.02	5.60
50	t	2,4,5-Trichlorophenol	0.424	0.434	-2.4	91	-0.02	5.63
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	89.603	10.4	82	-0.02	6.20
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.155	0.156	-0.6	86	-0.02	6.29
64		2,3,4,6-Tetrachlorophenol	0.334	0.324	3.0	87	-0.02	6.42
69	I	Phenanthrene-d10	1.000	1.000	0.0	91	-0.03	7.64
70	t	4,6-Dinitro-2-methylpheno	0.136	0.130	4.4	81	-0.03	6.67
76	t	Pentachlorophenol	0.149	0.159	-6.7	87	-0.03	7.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:36 2022

8.6.10

8

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209894.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209894.D Vial: 16
Acq On : 27 Sep 2022 10:35 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	-0.01	3.96
3	t	Pyridine	1.309	1.342	-2.5	92	-0.02	1.58
4	t	N-Nitrosodimethylamine	0.590	0.577	2.2	89	-0.02	1.56
10	t	Aniline	1.773	1.830	-3.2	93	-0.02	3.72
22		n-Nitroso-di-n-propylamin	0.775	0.795	-2.6	89	-0.02	4.28
24	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.01	4.89
39	t	4-Chloroaniline	0.415	0.425	-2.4	96	-0.02	4.95
46	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.02	6.13
54	t	2-Nitroaniline	0.292	0.292	0.0	90	-0.02	5.82
58	t	3-Nitroaniline	0.325	0.338	-4.0	90	-0.02	6.12
68	t	4-Nitroaniline	0.312	0.330	-5.8	87	-0.03	6.65
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	-0.03	7.64
71	t	n-Nitrosodiphenylamine	0.589	0.609	-3.4	88	-0.02	6.74
83	I	Chrysene-d12	1.000	1.000	0.0	79	-0.05	12.45
84	t	Benzidine	0.693	0.878	-26.7	94	-0.04	9.92
89	t	3,3'-Dichlorobenzidine	0.450	0.504	-12.0	76	-0.04	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:38 2022

8.6.11

8

Initial Calibration Verification

Job Number: JD55285 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209895.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209895.D Vial: 17
Acq On : 27 Sep 2022 11:01 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	-0.01	3.96
5	S	2-Fluorophenol	1.229	1.044	15.1	113	-0.01	2.95
8	S	Phenol-d5	1.437	1.196	16.8	111	-0.02	3.74
24	I	Naphthalene-d8	1.000	1.000	0.0	143	-0.01	4.89
25	S	Nitrobenzene-d5	0.327	0.289	11.6	120	-0.02	4.37
46	I	Acenaphthene-d10	1.000	1.000	0.0	137	-0.02	6.13
51	S	2-Fluorobiphenyl	1.334	1.128	15.4	114	-0.02	5.66
69	I	Phenanthrene-d10	1.000	1.000	0.0	130	-0.03	7.64
73	S	2,4,6-Tribromophenol	0.114	0.086	24.6	95	-0.02	6.84
83	I	Chrysene-d12	1.000	1.000	0.0	110	-0.05	12.46
86	S	Terphenyl-d14	0.940	0.883	6.1	99	-0.04	10.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:40 2022

8.6.12

8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9297-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210883.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\re...1422\ef9297\f210883.d Vial: 2
Acq On : 12 Nov 2022 10:58 am Operator: kristis
Sample : cc9252-50 Inst : GCMSF
Misc : op41953,ef9297,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Nov 13 23:25:47 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	126	0.00	3.85
2	t	1,4-Dioxane	0.533	0.540	-1.3	130	0.00	1.21
3	t	Pyridine	1.309	1.147	12.4	107	0.00	1.44
4	t	N-Nitrosodimethylamine	0.590	0.553	6.3	117	0.00	1.43
5	S	2-Fluorophenol	1.229	1.220	0.7	122	0.00	2.79
6	t	Indene	2.074	2.251	-8.5	137	0.00	4.04
7	t	Cumene	2.658	2.920	-9.9	137	0.00	3.22
8	S	Phenol-d5	1.437	1.487	-3.5	128	0.00	3.61
9	t	Phenol	1.492	1.678	-12.5	142	0.00	3.62
10	t	Aniline	1.773	1.919	-8.2	134	0.00	3.61
11	t	bis(2-Chloroethyl)ether	1.130	1.199	-6.1	130	0.00	3.68
12	t	2-Chlorophenol	1.303	1.395	-7.1	130	0.00	3.69
13	t	Decane	1.102	0.912	17.2	108	0.00	3.75
14	t	1,3-Dichlorobenzene	1.497	1.511	-0.9	129	0.00	3.80
15	t	1,4-Dichlorobenzene	1.506	1.564	-3.9	133	0.00	3.86
16	t	Benzyl alcohol	0.756	0.871	-15.2	140	0.00	3.98
17	t	1,2-Dichlorobenzene	1.412	1.499	-6.2	136	0.00	3.97
18	t	Acetophenone	1.554	1.793	-15.4	144	0.00	4.17
19	t	2-Methylphenol	1.031	1.143	-10.9	138	0.00	4.07
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.396	-19.3	152	0.00	4.08
21	t	3&4-Methylphenol	1.092	1.206	-10.4	140	0.00	4.20
22		n-Nitroso-di-n-propylamin	0.775	0.860	-11.0	131	0.00	4.18
23	t	Hexachloroethane	0.573	0.571	0.3	125	0.00	4.21
24	I	Naphthalene-d8	1.000	1.000	0.0	140	0.00	4.78
25	S	Nitrobenzene-d5	0.327	0.325	0.6	131	0.00	4.27
26	t	Nitrobenzene	0.337	0.337	0.0	137	0.00	4.28
27	t	Quinoline	0.647	0.694	-7.3	141	0.00	5.05
28	t	Isophorone	0.586	0.602	-2.7	137	0.00	4.47
29	t	2-Nitrophenol	0.191	0.207	-8.4	141	0.00	4.51
30	t	2,4-Dimethylphenol	0.316	0.354	-12.0	149	0.00	4.57
31	t	Benzoic acid	0.234	0.274	-17.1	148	0.00	4.71
32	t	bis(2-Chloroethoxy)methan	0.374	0.365	2.4	132	0.00	4.64
33	t	2,4-Dichlorophenol	0.293	0.303	-3.4	135	0.00	4.69
34		2,6-Dichlorophenol	0.293	0.307	-4.8	142	0.00	4.85
35		1,3,5-Trichlorobenzene	0.358	0.356	0.6	137	0.00	4.51
36	t	1,2,4-Trichlorobenzene	0.349	0.341	2.3	134	0.00	4.74
37		1,2,3-Trichlorobenzene	0.330	0.330	0.0	136	0.00	4.90
38	t	Naphthalene	1.005	1.009	-0.4	141	0.00	4.79
39	t	4-Chloroaniline	0.415	0.442	-6.5	147	0.00	4.85
40	t	2,3-Dichloroaniline	0.340	0.361	-6.2	139	0.00	5.49
41	t	Hydroquinone	0.288	0.217	24.7#	102	0.00	5.12

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9297-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210883.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42	t	Hexachlorobutadiene	0.200	0.211	-5.5	144	0.00	4.89
43	t	4-Chloro-3-methylphenol	0.257	0.292	-13.6	152	0.00	5.21
44	t	2-Methylnaphthalene	0.567	0.619	-9.2	149	0.00	5.29
45	t	1-Methylnaphthalene	0.621	0.653	-5.2	142	0.00	5.35
46	I	Acenaphthene-d10	1.000	1.000	0.0	146	0.00	6.02
47	t	Hexachlorocyclopentadiene	0.341	0.350	-2.6	137	0.00	5.39
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.629	0.0	143	0.00	5.41
49	t	2,4,6-Trichlorophenol	0.396	0.412	-4.0	141	0.00	5.50
50	t	2,4,5-Trichlorophenol	0.424	0.433	-2.1	137	0.00	5.52
51	S	2-Fluorobiphenyl	1.334	1.323	0.8	142	0.00	5.56
52	t	2-Chloronaphthalene	1.187	1.229	-3.5	145	0.00	5.63
53	t	Biphenyl	1.439	1.556	-8.1	156	0.00	5.62
54	t	2-Nitroaniline	0.292	0.309	-5.8	145	0.00	5.72
55	t	Dimethylphthalate	1.302	1.414	-8.6	152	0.00	5.85
56	t	Acenaphthylene	1.548	1.609	-3.9	147	0.00	5.91
57	t	2,6-Dinitrotoluene	0.297	0.330	-11.1	148	0.00	5.89
58	t	3-Nitroaniline	0.325	0.356	-9.5	145	0.00	6.01
59	t	Acenaphthene	1.149	1.200	-4.4	149	0.00	6.04
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	100.722	-0.7	140	0.00	6.09
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.208	-34.2#	173	0.00	6.16
62	t	Dibenzofuran	1.613	1.690	-4.8	151	0.00	6.18
63	t	2,4-Dinitrotoluene	0.389	0.463	-19.0	157	0.00	6.20
64		2,3,4,6-Tetrachlorophenol	0.334	0.366	-9.6	148	0.00	6.29
65	t	Diethylphthalate	1.281	1.432	-11.8	153	0.00	6.41
66	t	Fluorene	1.265	1.368	-8.1	150	0.00	6.47
67	t	4-Chlorophenyl-phenylethe	0.630	0.683	-8.4	152	0.00	6.48
68	t	4-Nitroaniline	0.312	0.355	-13.8	143	0.00	6.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	152	0.01	7.47
70	t	4,6-Dinitro-2-methylpheno	0.136	0.146	-7.4	150	0.00	6.55
71	t	n-Nitrosodiphenylamine	0.589	0.622	-5.6	155	0.00	6.60
72	t	1,2-Diphenylhydrazine	0.652	0.612	6.1	139	0.00	6.63
73	S	2,4,6-Tribromophenol	0.114	0.116	-1.8	150	0.00	6.69
74	t	4-Bromophenyl-phenylether	0.202	0.218	-7.9	159	0.00	6.97
75	t	Hexachlorobenzene	0.235	0.248	-5.5	153	0.00	7.00
76	t	Pentachlorophenol	0.149	0.182	-22.1#	165	0.00	7.25
77	t	Phenanthrene	1.026	1.046	-1.9	152	0.00	7.49
78	t	Anthracene	1.011	1.086	-7.4	154	0.00	7.56
79	t	Carbazole	0.927	1.003	-8.2	153	0.00	7.81
80	t	Di-n-butylphthalate	1.167	1.338	-14.7	159	0.00	8.46
81	t	Fluoranthene	1.050	1.247	-18.8	166	0.00	9.32
82	t	Octadecane	0.339	0.314	7.4	130	0.00	7.46
83	I	Chrysene-d12	1.000	1.000	0.0	182	0.02	12.20
84	t	Benzidine	0.693	0.626	9.7	153	0.00	9.68
85	t	Pyrene	1.389	1.313	5.5	164	0.00	9.71
86	S	Terphenyl-d14	0.940	1.005	-6.9	186	0.00	10.16
87	t	Butylbenzylphthalate	0.600	0.652	-8.7	171	0.00	11.32
88	t	Benzo[a]anthracene	1.220	1.332	-9.2	187	0.00	12.17
89	t	3,3'-Dichlorobenzidine	0.450	0.536	-19.1	186	0.00	12.28
90	t	Chrysene	1.243	1.287	-3.5	178	0.00	12.25
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.938	-9.3	173	0.00	12.73
92	I	Perylene-d12	1.000	1.000	0.0	198	0.01	15.13

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9297-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210883.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	47.047	5.9	181	0.00	14.16

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.290	-9.4	203#	0.00	14.42
95	t	Benzo[k]fluoranthene	1.140	1.188	-4.2	184	0.00	14.49
96	t	Benzo[a]pyrene	1.056	1.212	-14.8	201#	0.00	15.03
97	t	Indeno[1,2,3-cd]pyrene	0.888	1.095	-23.3#	214#	0.00	17.05
98	t	Dibenz(a,h)acridine	0.816	1.034	-26.7#	215#	0.00	16.72
99	t	Dibenz[a,h]anthracene	0.967	1.168	-20.8#	214#	0.00	17.14
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.506	0.6	181	0.00	14.45
101	t	Benzo[g,h,i]perylene	1.050	1.209	-15.1	206#	0.00	17.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210885.d MF9252.M Sun Nov 13 23:26:34 2022

8.6.13

8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9297-CC9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210884.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\re...1422\ef9297\f210884.d Vial: 3
Acq On : 12 Nov 2022 11:31 am Operator: kristis
Sample : cc9254-50 Inst : GCMSF
Misc : op41953,ef9297,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\mf9252ap9.m (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Nov 14 01:29:47 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	164	0.00	3.85
103	M	2-Picoline	1.226	1.148	6.4	152	0.00	2.17
104		Pentachloroethane	0.558	0.554	0.7	162	0.00	3.63
105	M	Methyl methanesulfonate	0.678	0.669	1.3	159	0.00	2.66
106	M	N-Nitrosodiethylamine	0.529	0.549	-3.8	167	0.00	3.00
107	M	N-Nitrosomethylethylamine	0.568	0.573	-0.9	165	0.00	2.34
108	M	Ethyl methanesulfonate	0.938	0.849	9.5	148	0.00	3.28
109	M	N-Nitrosopyrrolidine	0.488	0.559	-14.5	190	0.00	4.18
110	M	N-Nitrosomorpholine	0.619	0.678	-9.5	191	0.00	4.20
111	M	o-Toluidine	1.721	1.926	-11.9	205#	0.00	4.19
112	I	Naphthalene-d8A	1.000	1.000	0.0	177	0.00	4.77
113	M	O,O,O-Triethyl phosphorot	0.151	0.175	-15.9	198	0.00	4.62
114	M	N-Nitrosopiperidine	0.206	0.192	6.8	160	0.00	4.40
115	M	A,A-Dimethylphenethylamin	0.630	0.548	13.0	136	0.00	4.74
116	M	Hexachloropropene	0.244	0.254	-4.1	178	0.00	4.85
117	M	N-Nitrosodi-n-butylamine	0.198	0.207	-4.5	183	0.00	5.10
118		p-Phenylenediamine	0.086	0.034#	60.5#	83	0.00	5.11
119	M	Safrole	0.247	0.277	-12.1	192	0.00	5.24
120		Isosafrole	0.144	0.168	-16.7	196	0.00	5.60
121		Acenaphthene-d10A	1.000	1.000	0.0	185	0.00	6.02
122	M	Thionazin	0.157	0.179	-14.0	193	0.00	6.48
123	M	Tetraethyl dithiopyrophos	0.150	0.233	-55.3#	277#	0.00	6.79
124	M	Phorate	0.919	1.002	-9.0	186	0.00	6.91
125	M	Phenacetin	0.553	0.681	-23.1#	206#	0.00	6.98
126	M	1,4-Naphthoquinone	0.312	0.363	-16.3	177	0.00	5.76
127	M	m-Dinitrobenzene	0.204	0.229	-12.3	190	0.00	5.87
128	M	Pentachlorobenzene	0.522	0.547	-4.8	191	0.00	6.14
129	M	2-Naphthylamine	1.078	0.955	11.4	162	0.00	6.32
130	M	1-Naphthylamine	0.955	0.895	6.3	174	0.00	6.24
131	M	5-Nitro-o-toluidine	0.355	0.398	-12.1	187	0.00	6.51
132	I	Phenanthrene-d10A	1.000	1.000	0.0	192	0.00	7.47
133	M	Disulfoton	0.293	0.251	14.3	161	0.00	7.55
134	M	Dinoseb	0.183	0.238	-30.1#	222#	0.00	7.53
135	M	Dimethoate	0.223	0.214	4.0	174	0.00	7.11
136	M	4-Aminobiphenyl	0.691	0.714	-3.3	192	0.00	7.28
137	M	Methyl parathion	0.171	0.192	-12.3	198	0.00	8.06
138	M	Parathion	0.133	0.158	-18.8	207#	0.00	8.72
139	M	Diphenylamine	0.525	0.572	-9.0	211#	0.00	6.61

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9297-CC9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210884.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

140	M	Isodrin	0.122	0.127	-4.1	195	0.00	9.03
141	M	Diallate	0.067	0.060	10.4	180	0.00	6.99
142	M	Pentachloronitrobenzene	0.040	0.045#	-12.5	218#	0.00	7.26
143	M	Pronamide	0.299	0.347	-16.1	201#	0.00	7.40
			True	Calc.	% Drift			
144	M	4-Nitroquinoline 1-oxide	200.000	220.176	-10.1	205	0.00	8.70
145	M	Methapyriline	50.000	11.996	76.0#	61	0.00	8.89
			AvgRF	CCRF	% Dev			
146	M	sym-Trinitrobenzene	0.068	0.091	-33.8#	231#	0.00	6.92
147	I	Chrysene-d12A	1.000	1.000	0.0	241#	0.00	12.20
148		Aramite	0.059	0.070	-18.6	260#	0.00	10.28
149	M	p-(Dimethylamine)azobenze	0.353	0.372	-5.4	229#	0.00	10.47
			True	Calc.	% Drift			
150		Kepone	300.000	208.448	30.5#	202	0.00	11.04
151	M	Famphur	300.000	162.300	45.9#	176	0.00	11.17
			AvgRF	CCRF	% Dev			
152	M	2-Acetylaminofluorene	0.503	0.605	-20.3#	261#	0.00	11.73
153	M	Chlorobenzilate	0.348	0.409	-17.5	251#	0.00	10.63
154	I	Perylene-d12A	1.000	1.000	0.0	262#	0.00	15.14
155		Hexachlorophene	0.000	0.075	0.0	0#	0.00	15.00
156		3-Methylcholanthrene	0.212	0.258	-21.7#	280#	0.00	15.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210884.d mf9252ap9.m Mon Nov 14 01:30:15 2022

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9297-CC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210885.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\re...1422\ef9297\f210885.d Vial: 4
Acq On : 12 Nov 2022 11:59 am Operator: kristis
Sample : cc9253-50 Inst : GCMSF
Misc : op41953,ef9297,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Nov 13 23:25:47 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	109	0.00	3.85
103	Benzaldehyde	0.980	1.034	-5.5	113	0.00	3.51
104 I	Phenanthrene-d10b	1.000	1.000	0.0	133	0.00	7.46
105	Atrazine	0.167	0.216	-29.3#	157	0.00	7.21
106 I	Naphthalene-d8b	1.000	1.000	0.0	119	0.00	4.77
107	Caprolactam	0.111	0.100	9.9	101	0.00	5.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210885.d MF9252.M Sun Nov 13 23:26:37 2022

8.6.15 8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9298-CC9254
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210905A.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9298\F210905a.D Vial: 2
Acq On : 14 Nov 2022 9:29 am Operator: kaleigh
Sample : cc9254-25 Inst : GCMSF
Misc : op41953,ef9298,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Oct 21 09:55:01 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
132 I	Phenanthrene-d10A	1.000	1.000	0.0	127	0.05	7.42
142 M	Pentachloronitrobenzene	0.040	0.046	-15.0	136	0.05	7.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F210370A.D MF9252AP9.M Tue Nov 15 13:13:32 2022

8.6.16 8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9298-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210905.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\je...5-22\ef9298\f210905.d Vial: 2
Acq On : 14 Nov 2022 9:29 am Operator: kaleigh
Sample : cc9252-25 Inst : GCMSF
Misc : op41953,ef9298,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Nov 06 21:41:34 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	3.82
2	t	1,4-Dioxane	0.533	0.444	16.7	79	-0.04	1.17
3	t	Pyridine	1.309	1.139	13.0	74	-0.05	1.40
4	t	N-Nitrosodimethylamine	0.590	0.582	1.4	89	-0.05	1.38
5	S	2-Fluorophenol	1.229	1.174	4.5	84	-0.02	2.76
6	t	Indene	2.074	2.223	-7.2	94	0.00	4.01
7	t	Cumene	2.658	2.844	-7.0	96	-0.02	3.18
8	S	Phenol-d5	1.437	1.478	-2.9	88	0.00	3.58
9	t	Phenol	1.492	1.587	-6.4	94	0.00	3.59
10	t	Aniline	1.773	1.836	-3.6	88	0.00	3.57
11	t	bis(2-Chloroethyl)ether	1.130	1.152	-1.9	88	0.00	3.65
12	t	2-Chlorophenol	1.303	1.367	-4.9	91	0.00	3.66
13	t	Decane	1.102	0.902	18.1	73	0.00	3.72
14	t	1,3-Dichlorobenzene	1.497	1.503	-0.4	90	0.00	3.77
15	t	1,4-Dichlorobenzene	1.506	1.527	-1.4	90	0.00	3.83
16	t	Benzyl alcohol	0.756	0.852	-12.7	98	0.00	3.95
17	t	1,2-Dichlorobenzene	1.412	1.447	-2.5	92	0.00	3.94
18	t	Acetophenone	1.554	1.783	-14.7	99	0.00	4.13
19	t	2-Methylphenol	1.031	1.125	-9.1	93	0.00	4.04
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.383	-15.4	102	0.00	4.05
21	t	3&4-Methylphenol	1.092	1.198	-9.7	95	0.01	4.17
22		n-Nitroso-di-n-propylamin	0.775	0.869	-12.1	96	0.01	4.15
23	t	Hexachloroethane	0.573	0.572	0.2	86	0.00	4.19
24	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00	4.75
25	S	Nitrobenzene-d5	0.327	0.331	-1.2	95	0.00	4.24
26	t	Nitrobenzene	0.337	0.329	2.4	93	-0.01	4.25
27	t	Quinoline	0.647	0.690	-6.6	102	0.00	5.01
28	t	Isophorone	0.586	0.604	-3.1	98	0.00	4.44
29	t	2-Nitrophenol	0.191	0.207	-8.4	99	0.00	4.49
30	t	2,4-Dimethylphenol	0.316	0.346	-9.5	102	0.00	4.54
31	t	Benzoic acid	0.234	0.282	-20.5#	114	0.00	4.65
32	t	bis(2-Chloroethoxy)methan	0.374	0.371	0.8	93	0.00	4.61
33	t	2,4-Dichlorophenol	0.293	0.303	-3.4	95	0.00	4.66
34		2,6-Dichlorophenol	0.293	0.305	-4.1	97	0.00	4.82
35		1,3,5-Trichlorobenzene	0.358	0.353	1.4	95	0.00	4.49
36	t	1,2,4-Trichlorobenzene	0.349	0.332	4.9	93	0.00	4.72
37		1,2,3-Trichlorobenzene	0.330	0.325	1.5	95	0.00	4.87
38	t	Naphthalene	1.005	1.021	-1.6	98	0.00	4.76
39	t	4-Chloroaniline	0.415	0.428	-3.1	96	0.00	4.82
40	t	2,3-Dichloroaniline	0.340	0.366	-7.6	103	0.00	5.46
41	t	Hydroquinone	0.288	0.237	17.7	81	0.00	5.08

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9298-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210905.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42	t	Hexachlorobutadiene	0.200	0.203	-1.5	98	0.00	4.86
43	t	4-Chloro-3-methylphenol	0.257	0.291	-13.2	107	0.00	5.18
44	t	2-Methylnaphthalene	0.567	0.624	-10.1	104	0.00	5.26
45	t	1-Methylnaphthalene	0.621	0.669	-7.7	102	0.00	5.33
46	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00	5.99
47	t	Hexachlorocyclopentadiene	0.341	0.323	5.3	90	0.00	5.37
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.605	3.8	98	0.00	5.38
49	t	2,4,6-Trichlorophenol	0.396	0.413	-4.3	101	0.00	5.46
50	t	2,4,5-Trichlorophenol	0.424	0.444	-4.7	101	0.00	5.49
51	S	2-Fluorobiphenyl	1.334	1.329	0.4	100	0.00	5.53
52	t	2-Chloronaphthalene	1.187	1.176	0.9	100	0.00	5.60
53	t	Biphenyl	1.439	1.505	-4.6	105	0.00	5.59
54	t	2-Nitroaniline	0.292	0.303	-3.8	104	0.00	5.68
55	t	Dimethylphthalate	1.302	1.388	-6.6	106	0.00	5.83
56	t	Acenaphthylene	1.548	1.602	-3.5	104	0.00	5.89
57	t	2,6-Dinitrotoluene	0.297	0.329	-10.8	109	0.00	5.86
58	t	3-Nitroaniline	0.325	0.352	-8.3	101	0.00	5.98
59	t	Acenaphthene	1.149	1.190	-3.6	104	0.00	6.01
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	43.316	13.4	88	0.00	6.06
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.196	-26.5#	124	0.00	6.13
62	t	Dibenzofuran	1.613	1.685	-4.5	105	0.00	6.15
63	t	2,4-Dinitrotoluene	0.389	0.457	-17.5	114	0.00	6.16
64		2,3,4,6-Tetrachlorophenol	0.334	0.370	-10.8	111	0.00	6.25
65	t	Diethylphthalate	1.281	1.434	-11.9	112	0.00	6.38
66	t	Fluorene	1.265	1.376	-8.8	111	0.00	6.43
67	t	4-Chlorophenyl-phenylethe	0.630	0.695	-10.3	111	0.00	6.45
68	t	4-Nitroaniline	0.312	0.333	-6.7	100	0.00	6.47
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00	7.42
70	t	4,6-Dinitro-2-methylpheno	0.136	0.130	4.4	101	0.02	6.51
71	t	n-Nitrosodiphenylamine	0.589	0.604	-2.5	110	0.01	6.56
72	t	1,2-Diphenylhydrazine	0.652	0.607	6.9	99	0.00	6.59
73	S	2,4,6-Tribromophenol	0.114	0.113	0.9	108	0.00	6.66
74	t	4-Bromophenyl-phenylether	0.202	0.219	-8.4	120	0.00	6.93
75	t	Hexachlorobenzene	0.235	0.246	-4.7	114	0.00	6.96
76	t	Pentachlorophenol	0.149	0.172	-15.4	116	0.00	7.21
77	t	Phenanthrene	1.026	1.049	-2.2	111	0.00	7.45
78	t	Anthracene	1.011	1.058	-4.6	110	0.00	7.51
79	t	Carbazole	0.927	0.976	-5.3	110	0.00	7.76
80	t	Di-n-butylphthalate	1.167	1.305	-11.8	116	0.00	8.41
81	t	Fluoranthene	1.050	1.187	-13.0	120	0.00	9.25
82	t	Octadecane	0.339	0.325	4.1	101	0.00	7.41
83	I	Chrysene-d12	1.000	1.000	0.0	124	0.00	12.12
84	t	Benzidine	0.693	0.369	46.8#	65	-0.02	9.62
85	t	Pyrene	1.389	1.342	3.4	114	-0.02	9.64
86	S	Terphenyl-d14	0.940	1.023	-8.8	131	-0.02	10.09
87	t	Butylbenzylphthalate	0.600	0.634	-5.7	118	0.00	11.25
88	t	Benzo[a]anthracene	1.220	1.306	-7.0	129	-0.01	12.10
89	t	3,3'-Dichlorobenzidine	0.450	0.506	-12.4	131	0.00	12.20
90	t	Chrysene	1.243	1.267	-1.9	124	0.00	12.17
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.912	-6.3	123	0.00	12.67
92	I	Perylene-d12	1.000	1.000	0.0	131	0.00	15.05

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9298-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210905.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	24.226	3.1	127	0.00	14.09

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.261	-7.0	136	-0.01	14.33
95	t	Benzo[k]fluoranthene	1.140	1.233	-8.2	127	-0.01	14.39
96	t	Benzo[a]pyrene	1.056	1.208	-14.4	137	0.00	14.94
97	t	Indeno[1,2,3-cd]pyrene	0.888	1.067	-20.2#	144	0.00	16.96
98	t	Dibenz(a,h)acridine	0.816	1.006	-23.3#	149	0.00	16.63
99	t	Dibenz[a,h]anthracene	0.967	1.164	-20.4#	146	0.00	17.04
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.455	10.6	113	-0.02	14.36
101	t	Benzo[g,h,i]perylene	1.050	1.178	-12.2	136	0.00	17.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210688.d MF9252.M Mon Nov 14 22:18:50 2022

8.6.17

8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9298-CC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210906.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\je...5-22\ef9298\f210906.d Vial: 3
Acq On : 14 Nov 2022 9:54 am Operator: kaleigh
Sample : cc9253-25 Inst : GCMSF
Misc : op41953,ef9298,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Nov 06 21:41:34 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	106	0.00	3.82
103	Benzaldehyde	0.980	1.033	-5.4	109	0.00	3.48
104 I	Phenanthrene-d10b	1.000	1.000	0.0	127	0.00	7.41
105	Atrazine	0.167	0.209	-25.1#	147	0.00	7.16
106 I	Naphthalene-d8b	1.000	1.000	0.0	117	0.00	4.75
107	Caprolactam	0.111	0.104	6.3	103	0.00	5.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210688.d MF9252.M Mon Nov 14 22:18:55 2022

8.6.18

8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9307-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F211132.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9307\F211132.D Vial: 2
Acq On : 21 Nov 2022 11:43 pm Operator: chriss2
Sample : cc9252-50 Inst : GCMSF
Misc : op41953,ef9307,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Nov 22 08:48:36 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	-0.01	3.84
2	t	1,4-Dioxane	0.533	0.489	8.3	69	-0.01	1.19
3	t	Pyridine	1.309	1.231	6.0	68	-0.02	1.43
4	t	N-Nitrosodimethylamine	0.590	0.608	-3.1	75	-0.01	1.41
5	S	2-Fluorophenol	1.229	1.249	-1.6	73	-0.03	2.85
6	t	Indene	2.074	2.295	-10.7	82	-0.01	4.03
7	t	Cumene	2.658	2.998	-12.8	83	-0.02	3.20
8	S	Phenol-d5	1.437	1.478	-2.9	75	-0.03	3.65
9	t	Phenol	1.492	1.635	-9.6	81	-0.03	3.66
10	t	Aniline	1.773	1.902	-7.3	78	-0.01	3.60
11	t	bis(2-Chloroethyl)ether	1.130	1.245	-10.2	79	-0.01	3.67
12	t	2-Chlorophenol	1.303	1.405	-7.8	77	-0.02	3.71
13	t	Decane	1.102	0.951	13.7	66	-0.01	3.74
14	t	1,3-Dichlorobenzene	1.497	1.531	-2.3	76	-0.01	3.79
15	t	1,4-Dichlorobenzene	1.506	1.560	-3.6	78	-0.02	3.85
16	t	Benzyl alcohol	0.756	0.876	-15.9	83	-0.01	3.98
17	t	1,2-Dichlorobenzene	1.412	1.504	-6.5	80	-0.02	3.96
18	t	Acetophenone	1.554	1.779	-14.5	84	-0.01	4.16
19	t	2-Methylphenol	1.031	1.155	-12.0	82	-0.02	4.10
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.423	-27.4#	95	-0.02	4.07
21	t	3&4-Methylphenol	1.092	1.254	-14.8	85	-0.02	4.21
22		n-Nitroso-di-n-propylamin	0.775	0.873	-12.6	78	0.00	4.18
23	t	Hexachloroethane	0.573	0.565	1.4	72	-0.02	4.20
24	I	Naphthalene-d8	1.000	1.000	0.0	81	-0.02	4.76
25	S	Nitrobenzene-d5	0.327	0.333	-1.8	78	-0.01	4.26
26	t	Nitrobenzene	0.337	0.336	0.3	80	-0.01	4.28
27	t	Quinoline	0.647	0.709	-9.6	84	-0.01	5.03
28	t	Isophorone	0.586	0.625	-6.7	83	-0.01	4.46
29	t	2-Nitrophenol	0.191	0.216	-13.1	85	-0.01	4.51
30	t	2,4-Dimethylphenol	0.316	0.354	-12.0	87	-0.02	4.58
31	t	Benzoic acid	0.234	0.266	-13.7	84	0.01	4.74
32	t	bis(2-Chloroethoxy)methan	0.374	0.367	1.9	78	-0.01	4.63
33	t	2,4-Dichlorophenol	0.293	0.305	-4.1	79	-0.02	4.71
34		2,6-Dichlorophenol	0.293	0.306	-4.4	83	-0.01	4.85
35		1,3,5-Trichlorobenzene	0.358	0.359	-0.3	81	-0.01	4.51
36	t	1,2,4-Trichlorobenzene	0.349	0.340	2.6	78	-0.01	4.73
37		1,2,3-Trichlorobenzene	0.330	0.329	0.3	79	-0.01	4.89
38	t	Naphthalene	1.005	1.045	-4.0	85	-0.02	4.78
39	t	4-Chloroaniline	0.415	0.451	-8.7	87	-0.01	4.84
40	t	2,3-Dichloroaniline	0.340	0.361	-6.2	81	-0.01	5.48
41	t	Hydroquinone	0.288	0.267	7.3	73	-0.02	5.14

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9307-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F211132.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42	t	Hexachlorobutadiene	0.200	0.209	-4.5	83	-0.02	4.88
43	t	4-Chloro-3-methylphenol	0.257	0.291	-13.2	88	-0.02	5.23
44	t	2-Methylnaphthalene	0.567	0.644	-13.6	90	-0.02	5.27
45	t	1-Methylnaphthalene	0.621	0.686	-10.5	87	-0.02	5.34
46	I	Acenaphthene-d10	1.000	1.000	0.0	87	-0.01	6.00
47	t	Hexachlorocyclopentadiene	0.341	0.364	-6.7	85	-0.02	5.38
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.612	2.7	83	-0.01	5.39
49	t	2,4,6-Trichlorophenol	0.396	0.402	-1.5	82	-0.02	5.50
50	t	2,4,5-Trichlorophenol	0.424	0.428	-0.9	80	-0.03	5.54
51	S	2-Fluorobiphenyl	1.334	1.367	-2.5	87	-0.01	5.54
52	t	2-Chloronaphthalene	1.187	1.214	-2.3	85	-0.02	5.61
53	t	Biphenyl	1.439	1.531	-6.4	92	-0.02	5.61
54	t	2-Nitroaniline	0.292	0.304	-4.1	85	-0.01	5.70
55	t	Dimethylphthalate	1.302	1.393	-7.0	89	-0.01	5.84
56	t	Acenaphthylene	1.548	1.602	-3.5	87	-0.02	5.90
57	t	2,6-Dinitrotoluene	0.297	0.330	-11.1	88	-0.01	5.88
58	t	3-Nitroaniline	0.325	0.356	-9.5	86	-0.01	6.00
59	t	Acenaphthene	1.149	1.193	-3.8	88	-0.01	6.03
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	102.730	-2.7	85	-0.01	6.09
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.181	-16.8	90	-0.04	6.23
62	t	Dibenzofuran	1.613	1.700	-5.4	91	-0.01	6.16
63	t	2,4-Dinitrotoluene	0.389	0.456	-17.2	92	-0.02	6.18
64		2,3,4,6-Tetrachlorophenol	0.334	0.352	-5.4	85	-0.02	6.28
65	t	Diethylphthalate	1.281	1.406	-9.8	90	-0.01	6.40
66	t	Fluorene	1.265	1.383	-9.3	90	-0.02	6.45
67	t	4-Chlorophenyl-phenylethe	0.630	0.695	-10.3	92	-0.01	6.47
68	t	4-Nitroaniline	0.312	0.336	-7.7	81	0.00	6.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	91	-0.02	7.44
70	t	4,6-Dinitro-2-methylpheno	0.136	0.151	-11.0	93	-0.01	6.53
71	t	n-Nitrosodiphenylamine	0.589	0.617	-4.8	92	-0.02	6.59
72	t	1,2-Diphenylhydrazine	0.652	0.669	-2.6	91	-0.02	6.61
73	S	2,4,6-Tribromophenol	0.114	0.109	4.4	84	-0.02	6.68
74	t	4-Bromophenyl-phenylether	0.202	0.217	-7.4	95	-0.02	6.95
75	t	Hexachlorobenzene	0.235	0.245	-4.3	90	-0.02	6.98
76	t	Pentachlorophenol	0.149	0.168	-12.8	91	-0.02	7.25
77	t	Phenanthrene	1.026	1.040	-1.4	90	-0.02	7.47
78	t	Anthracene	1.011	1.069	-5.7	91	-0.02	7.54
79	t	Carbazole	0.927	0.982	-5.9	90	-0.02	7.79
80	t	Di-n-butylphthalate	1.167	1.297	-11.1	93	-0.02	8.43
81	t	Fluoranthene	1.050	1.223	-16.5	97	-0.03	9.28
82	t	Octadecane	0.339	0.333	1.8	82	-0.02	7.43
83	I	Chrysene-d12	1.000	1.000	0.0	104	-0.02	12.16
84	t	Benzidine	0.693	0.573	17.3	80	-0.03	9.65
85	t	Pyrene	1.389	1.328	4.4	95	-0.02	9.67
86	S	Terphenyl-d14	0.940	1.040	-10.6	110	-0.03	10.13
87	t	Butylbenzylphthalate	0.600	0.645	-7.5	97	-0.03	11.29
88	t	Benzo[a]anthracene	1.220	1.320	-8.2	106	-0.02	12.14
89	t	3,3'-Dichlorobenzidine	0.450	0.521	-15.8	104	-0.03	12.25
90	t	Chrysene	1.243	1.273	-2.4	101	-0.03	12.22
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.919	-7.1	97	-0.03	12.69
92	I	Perylene-d12	1.000	1.000	0.0	109	-0.03	15.10

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9307-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F211132.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	48.533	2.9	103	-0.03	14.12
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.343	-13.9	117	-0.03	14.38
95	t	Benzo[k]fluoranthene	1.140	1.175	-3.1	100	-0.02	14.45
96	t	Benzo[a]pyrene	1.056	1.186	-12.3	108	-0.03	14.98
97	t	Indeno[1,2,3-cd]pyrene	0.888	1.048	-18.0	113	-0.03	17.01
98	t	Dibenz(a,h)acridine	0.816	1.019	-24.9#	117	-0.03	16.68
99	t	Dibenz[a,h]anthracene	0.967	1.121	-15.9	114	-0.02	17.09
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.608	-19.4	120	-0.02	14.41
101	t	Benzo[g,h,i]perylene	1.050	1.171	-11.5	110	-0.03	17.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F211077.D MF9252.M Tue Nov 22 09:44:49 2022

8.6.19

8

Continuing Calibration Summary

Job Number: JD55285 **Sample:** EF9307-CC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F211133.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9307\F211133.D Vial: 3
Acq On : 22 Nov 2022 12:08 am Operator: chriss2
Sample : cc9253-50 Inst : GCMSF
Misc : op41953,ef9307,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Nov 22 08:48:36 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	71	-0.01	3.84
103	Benzaldehyde	0.980	1.043	-6.4	74	-0.01	3.51
104 I	Phenanthrene-d10b	1.000	1.000	0.0	88	-0.03	7.44
105	Atrazine	0.167	0.222	-32.9#	107	-0.02	7.19
106 I	Naphthalene-d8b	1.000	1.000	0.0	77	-0.02	4.76
107	Caprolactam	0.111	0.104	6.3	69	0.00	5.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F211077.D MF9252.M Tue Nov 22 09:44:51 2022

8.6.20
8

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9252 **Method:** EPA 625.1 **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9252-DFTPP	F209858.D	09/24/22 11:53	n/a	DFTPP Tune
EF9252-IC9252	F209861.D	09/24/22 13:26	n/a	Initial cal 100
EF9252-IC9252	F209862.D	09/24/22 14:03	n/a	Initial cal 1
EF9252-IC9252	F209863.D	09/24/22 14:29	n/a	Initial cal 80
EF9252-IC9252	F209864.D	09/24/22 14:54	n/a	Initial cal 2
EF9252-ICC9252	F209865.D	09/24/22 15:20	n/a	Initial cal 50
EF9252-IC9252	F209866.D	09/24/22 15:45	n/a	Initial cal 5
EF9252-IC9252	F209867.D	09/24/22 16:11	n/a	Initial cal 25
EF9252-IC9252	F209868.D	09/24/22 16:36	n/a	Initial cal 10

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9253 **Method:** EPA 625.1 **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9253-DFTPP	F209869.D	09/24/22 19:24	n/a	DFTPP Tune
EF9253-IC9253	F209870A.D	09/24/22 20:13	n/a	Initial cal 100
EF9253-IC9253	F209871.D	09/24/22 20:38	n/a	Initial cal 80
EF9253-ICC9253	F209872.D	09/24/22 21:02	n/a	Initial cal 50
EF9253-IC9253	F209873.D	09/24/22 21:27	n/a	Initial cal 25
EF9253-IC9253	F209874.D	09/24/22 21:52	n/a	Initial cal 10
EF9253-IC9253	F209875.D	09/24/22 22:17	n/a	Initial cal 5
EF9253-IC9253	F209876.D	09/24/22 22:42	n/a	Initial cal 2
EF9253-IC9253	F209877.D	09/24/22 23:07	n/a	Initial cal 1
EF9253-ICV9253	F209878.D	09/24/22 23:31	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9254 **Method:** EPA 625.1 **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9254-DFTPP	F209879.D	09/27/22 04:17	n/a	DFTPP Tune
EF9254-IC9254	F209880.D	09/27/22 04:37	n/a	Initial cal 100
EF9254-IC9254	F209881.D	09/27/22 05:03	n/a	Initial cal 80
EF9254-ICC9254	F209882.D	09/27/22 05:29	n/a	Initial cal 50
EF9254-IC9254	F209883.D	09/27/22 05:54	n/a	Initial cal 25
EF9254-IC9254	F209884.D	09/27/22 06:20	n/a	Initial cal 10
EF9254-IC9254	F209885.D	09/27/22 06:45	n/a	Initial cal 5
EF9254-IC9254	F209886.D	09/27/22 07:11	n/a	Initial cal 2
EF9254-IC9254	F209887.D	09/27/22 07:36	n/a	Initial cal 1
EF9254-ICV9254	F209888.D	09/27/22 08:02	n/a	Initial cal verification 50
EF9254-ICV9254	F209889.D	09/27/22 08:27	n/a	Initial cal verification 50
EF9254-ICV9254	F209890.D	09/27/22 08:53	n/a	Initial cal verification 50
EF9254-ICV9254	F209891.D	09/27/22 09:18	n/a	Initial cal verification 50
EF9254-ICV9252	F209892.D	09/27/22 09:44	n/a	Initial cal verification 50
EF9254-ICV9252	F209893.D	09/27/22 10:10	n/a	Initial cal verification 50
EF9254-ICV9252	F209894.D	09/27/22 10:35	n/a	Initial cal verification 50
EF9254-ICV9252	F209895.D	09/27/22 11:01	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9297	**Method:** EPA 625.1	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9297-DFTPP	F210882.D	11/12/22 10:43	n/a	DFTPP Tune
EF9297-CC9252	F210883.D	11/12/22 10:58	n/a	Continuing cal 50
EF9297-CC9254	F210884.D	11/12/22 11:31	n/a	Continuing cal 50
EF9297-CC9253	F210885.D	11/12/22 11:59	n/a	Continuing cal 50
OP43091-MB1	F210886.D	11/12/22 12:29	OP43091	Method Blank
OP43091B-MB1	F210886.D	11/12/22 12:29	OP43091B	Method Blank
OP43091-BS1	F210887.D	11/12/22 12:55	OP43091	Blank Spike
OP43091B-BS1	F210887.D	11/12/22 12:55	OP43091B	Blank Spike
OP43091-BSD	F210888.D	11/12/22 13:23	OP43091	Blank Spike Duplicate
OP43091B-BSD	F210888.D	11/12/22 13:23	OP43091B	Blank Spike Duplicate
OP43091-BS13	F210889.D	11/12/22 13:48	OP43091	Blank Spike
OP43091B-BS13	F210889.D	11/12/22 13:48	OP43091B	Blank Spike
ZZZZZZ	F210890.D	11/12/22 14:13	OP43091B	(unrelated sample)
ZZZZZZ	F210891.D	11/12/22 14:39	OP43091B	(unrelated sample)
ZZZZZZ	F210892.D	11/12/22 15:04	OP43091B	(unrelated sample)
ZZZZZZ	F210893.D	11/12/22 15:29	OP43091B	(unrelated sample)
ZZZZZZ	F210894.D	11/12/22 15:54	OP43091	(unrelated sample)
ZZZZZZ	F210895.D	11/12/22 16:20	OP43091	(unrelated sample)
ZZZZZZ	F210896.D	11/12/22 16:45	OP43091	(unrelated sample)
ZZZZZZ	F210897.D	11/12/22 17:10	OP43091	(unrelated sample)
ZZZZZZ	F210899.D	11/12/22 18:01	OP43039B	(unrelated sample)
ZZZZZZ	F210900.D	11/12/22 18:26	OP43028B	(unrelated sample)
ZZZZZZ	F210901.D	11/12/22 18:51	OP43028B	(unrelated sample)
ZZZZZZ	F210902.D	11/12/22 19:17	OP43028B	(unrelated sample)

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9298 **Method:** SW846 8270E **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9298-DFTPP	F210904.D	11/14/22 09:12	n/a	DFTPP Tune
EF9298-CC9252	F210905.D	11/14/22 09:29	n/a	Continuing cal 25
EF9298-CC9254	F210905A.D	11/14/22 09:29	n/a	Continuing cal 25
EF9298-CC9253	F210906.D	11/14/22 09:54	n/a	Continuing cal 25
OP43007-MB1	F210908.D	11/14/22 10:56	OP43007	Method Blank
OP43007-BS1	F210909.D	11/14/22 11:21	OP43007	Blank Spike
ZZZZZZ	F210910.D	11/14/22 11:45	OP43007	(unrelated sample)
ZZZZZZ	F210911.D	11/14/22 12:19	OP43007	(unrelated sample)
ZZZZZZ	F210912.D	11/14/22 12:44	OP43007	(unrelated sample)
ZZZZZZ	F210913.D	11/14/22 13:09	OP43007	(unrelated sample)
ZZZZZZ	F210914.D	11/14/22 13:33	OP43007	(unrelated sample)
ZZZZZZ	F210915.D	11/14/22 13:58	OP43007	(unrelated sample)
ZZZZZZ	F210916.D	11/14/22 14:23	OP43007	(unrelated sample)
ZZZZZZ	F210917A.D	11/14/22 14:56	OP43007	(unrelated sample)
ZZZZZZ	F210918.D	11/14/22 15:21	OP43007	(unrelated sample)
ZZZZZZ	F210919.D	11/14/22 15:46	OP43007	(unrelated sample)
ZZZZZZ	F210920.D	11/14/22 16:10	OP43007	(unrelated sample)
ZZZZZZ	F210921.D	11/14/22 16:35	OP43007	(unrelated sample)
ZZZZZZ	F210922.D	11/14/22 17:00	OP43007	(unrelated sample)
ZZZZZZ	F210923.D	11/14/22 17:26	OP43007	(unrelated sample)
ZZZZZZ	F210924.D	11/14/22 17:50	OP43007	(unrelated sample)
OP43007-MS	F210925.D	11/14/22 18:16	OP43007	Matrix Spike
OP43007-MSD	F210926.D	11/14/22 18:40	OP43007	Matrix Spike Duplicate
JD55092-1	F210927.D	11/14/22 19:05	OP43007	(used for QC only; not part of job JD55285)
ZZZZZZ	F210928.D	11/14/22 19:30	OP43007	(unrelated sample)
ZZZZZZ	F210929.D	11/14/22 19:55	OP43007	(unrelated sample)
JD55285-1	F210930.D	11/14/22 20:20	OP43091	MW-26(D)

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9307 **Method:** SW846 8270E **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9307-DFTPP	F211131.D	11/21/22 23:28	n/a	DFTPP Tune
EF9307-CC9252	F211132.D	11/21/22 23:43	n/a	Continuing cal 50
EF9307-CC9253	F211133.D	11/22/22 00:08	n/a	Continuing cal 50
OP43229-MB1	F211134.D	11/22/22 00:34	OP43229	Method Blank
OP43229-BS1	F211135.D	11/22/22 00:59	OP43229	Blank Spike
ZZZZZZ	F211136.D	11/22/22 01:28	OP43229	(unrelated sample)
ZZZZZZ	F211137.D	11/22/22 01:53	OP43229	(unrelated sample)
ZZZZZZ	F211138.D	11/22/22 02:19	OP43229	(unrelated sample)
ZZZZZZ	F211139.D	11/22/22 02:44	OP43229	(unrelated sample)
ZZZZZZ	F211140.D	11/22/22 03:10	OP43229	(unrelated sample)
ZZZZZZ	F211141.D	11/22/22 03:35	OP43229	(unrelated sample)
OP43229-MS	F211143.D	11/22/22 04:26	OP43229	Matrix Spike
OP43229-MSD	F211144.D	11/22/22 04:51	OP43229	Matrix Spike Duplicate
JD55807-1	F211145.D	11/22/22 05:17	OP43229	(used for QC only; not part of job JD55285)
ZZZZZZ	F211146.D	11/22/22 05:42	OP43229	(unrelated sample)
ZZZZZZ	F211147.D	11/22/22 06:08	OP43229	(unrelated sample)
ZZZZZZ	F211148.D	11/22/22 06:33	OP43229	(unrelated sample)
ZZZZZZ	F211149.D	11/22/22 06:58	OP43229	(unrelated sample)
ZZZZZZ	F211150.D	11/22/22 07:23	OP43229	(unrelated sample)
ZZZZZZ	F211151.D	11/22/22 07:49	OP43229	(unrelated sample)
ZZZZZZ	F211152.D	11/22/22 08:14	OP43229	(unrelated sample)
ZZZZZZ	F211153.D	11/22/22 08:39	OP43229	(unrelated sample)
ZZZZZZ	F211154.D	11/22/22 09:05	OP43229	(unrelated sample)
ZZZZZZ	F211155.D	11/22/22 09:30	OP43229	(unrelated sample)
ZZZZZZ	F211156.D	11/22/22 09:55	OP43229	(unrelated sample)
ZZZZZZ	F211157.D	11/22/22 10:21	OP43229	(unrelated sample)
ZZZZZZ	F211158.D	11/22/22 10:46	OP43197	(unrelated sample)
JD55285-1	F211159.D	11/22/22 11:11	OP43091	MW-26(D)

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9637-MB	2A221699.D	1	11/11/22	NH	n/a	n/a	V2A9637

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1, JD55285-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9637-MB	2A221699.D	1	11/11/22	NH	n/a	n/a	V2A9637

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1, JD55285-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	102%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9641-MB	2A221772.D	1	11/14/22	NH	n/a	n/a	V2A9641

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9637-BS	2A221697.D	1	11/11/22	NH	n/a	n/a	V2A9637

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1, JD55285-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	201	101	27-175
71-43-2	Benzene	50	49.9	100	80-115
74-97-5	Bromochloromethane	50	51.5	103	83-122
75-27-4	Bromodichloromethane	50	51.4	103	82-119
75-25-2	Bromoform	50	52.8	106	77-135
74-83-9	Bromomethane	50	51.4	103	40-162
78-93-3	2-Butanone (MEK)	200	203	102	61-150
75-15-0	Carbon disulfide	50	44.7	89	64-130
56-23-5	Carbon tetrachloride	50	49.5	99	75-127
108-90-7	Chlorobenzene	50	50.1	100	80-115
75-00-3	Chloroethane	50	53.6	107	56-144
67-66-3	Chloroform	50	47.7	95	75-116
74-87-3	Chloromethane	50	50.0	100	41-153
110-82-7	Cyclohexane	50	50.5	101	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	51.3	103	69-134
124-48-1	Dibromochloromethane	50	51.2	102	81-123
106-93-4	1,2-Dibromoethane	50	51.2	102	67-138
95-50-1	1,2-Dichlorobenzene	50	48.5	97	81-117
541-73-1	1,3-Dichlorobenzene	50	48.3	97	81-115
106-46-7	1,4-Dichlorobenzene	50	48.5	97	80-114
75-71-8	Dichlorodifluoromethane	50	55.4	111	43-152
75-34-3	1,1-Dichloroethane	50	48.1	96	75-125
107-06-2	1,2-Dichloroethane	50	48.7	97	73-117
75-35-4	1,1-Dichloroethene	50	47.0	94	70-124
156-59-2	cis-1,2-Dichloroethene	50	48.7	97	80-120
156-60-5	trans-1,2-Dichloroethene	50	47.3	95	77-121
78-87-5	1,2-Dichloropropane	50	49.4	99	79-121
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	83-123
10061-02-6	trans-1,3-Dichloropropene	50	49.6	99	83-122
123-91-1	1,4-Dioxane	1250	1340	107	64-150
100-41-4	Ethylbenzene	50	49.5	99	78-116
76-13-1	Freon 113	50	48.6	97	68-134
591-78-6	2-Hexanone	200	207	104	66-136
98-82-8	Isopropylbenzene	50	49.7	99	78-121
79-20-9	Methyl Acetate	50	49.3	99	60-143
108-87-2	Methylcyclohexane	50	50.3	101	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9637-BS	2A221697.D	1	11/11/22	NH	n/a	n/a	V2A9637

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1, JD55285-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	48.7	97	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	199	100	73-134
75-09-2	Methylene chloride	50	47.5	95	73-123
100-42-5	Styrene	50	52.7	105	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	46.7	93	73-126
127-18-4	Tetrachloroethene	50	48.0	96	73-119
108-88-3	Toluene	50	49.1	98	79-116
87-61-6	1,2,3-Trichlorobenzene	50	59.6	119	63-137
120-82-1	1,2,4-Trichlorobenzene	50	54.7	109	68-135
71-55-6	1,1,1-Trichloroethane	50	50.8	102	76-124
79-00-5	1,1,2-Trichloroethane	50	49.1	98	83-117
79-01-6	Trichloroethene	50	50.8	102	80-118
75-69-4	Trichlorofluoromethane	50	52.8	106	67-134
75-01-4	Vinyl chloride	50	54.0	108	52-146
	m,p-Xylene	100	101	101	79-119
95-47-6	o-Xylene	50	49.1	98	81-119
1330-20-7	Xylene (total)	150	150	100	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	80-120%
2037-26-5	Toluene-D8	100%	80-120%
460-00-4	4-Bromofluorobenzene	99%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9641-BS	2A221770.D	1	11/14/22	NH	n/a	n/a	V2A9641

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	48.4	97	80-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	95%	82-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54932-1MS	2A221703.D	5	11/12/22	NH	n/a	n/a	V2A9637
JD54932-1MSD	2A221704.D	5	11/12/22	NH	n/a	n/a	V2A9637
JD54932-1 [a]	2A221701.D	5	11/12/22	NH	n/a	n/a	V2A9637

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1, JD55285-2

CAS No.	Compound	JD54932-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1000	616	62	1000	617	62	0	22-134/19
71-43-2	Benzene	ND		250	232	93	250	234	94	1	49-137/12
74-97-5	Bromochloromethane	ND		250	236	94	250	237	95	0	78-122/12
75-27-4	Bromodichloromethane	ND		250	242	97	250	246	98	2	76-121/12
75-25-2	Bromoform	ND		250	252	101	250	255	102	1	70-133/13
74-83-9	Bromomethane	ND		250	219	88	250	219	88	0	27-164/38
78-93-3	2-Butanone (MEK)	ND		1000	782	78	1000	806	81	3	52-137/17
75-15-0	Carbon disulfide	ND		250	177	71	250	182	73	3	54-136/16
56-23-5	Carbon tetrachloride	ND		250	233	93	250	236	94	1	70-132/13
108-90-7	Chlorobenzene	ND		250	239	96	250	240	96	0	68-123/12
75-00-3	Chloroethane	ND		250	222	89	250	226	90	2	48-152/17
67-66-3	Chloroform	ND		250	222	89	250	226	90	2	68-120/13
74-87-3	Chloromethane	ND		250	187	75	250	187	75	0	35-156/18
110-82-7	Cyclohexane	102		250	292	76	250	301	80	3	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	255	102	250	254	102	0	63-134/16
124-48-1	Dibromochloromethane	ND		250	242	97	250	245	98	1	75-122/12
106-93-4	1,2-Dibromoethane	ND		250	241	96	250	242	97	0	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		250	240	96	250	238	95	1	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		250	236	94	250	239	96	1	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		250	236	94	250	237	95	0	72-117/12
75-71-8	Dichlorodifluoromethane	ND		250	207	83	250	214	86	3	34-163/16
75-34-3	1,1-Dichloroethane	ND		250	218	87	250	221	88	1	68-129/13
107-06-2	1,2-Dichloroethane	ND		250	231	92	250	236	94	2	66-120/13
75-35-4	1,1-Dichloroethene	ND		250	200	80	250	203	81	1	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		250	223	89	250	226	90	1	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		250	211	84	250	218	87	3	70-125/13
78-87-5	1,2-Dichloropropane	ND		250	226	90	250	231	92	2	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		250	236	94	250	242	97	3	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		250	232	93	250	236	94	2	75-122/12
123-91-1	1,4-Dioxane	ND		6250	6340	101	6250	6370	102	0	57-145/40
100-41-4	Ethylbenzene	969		250	956	-5* [b]	250	942	-11* [b]	1	37-144/12
76-13-1	Freon 113	ND		250	209	84	250	216	86	3	61-142/14
591-78-6	2-Hexanone	ND		1000	897	90	1000	912	91	2	56-132/16
98-82-8	Isopropylbenzene	58.8		250	286	91	250	285	90	0	71-126/13
79-20-9	Methyl Acetate	ND		250	210	84	250	227	91	8	51-139/18
108-87-2	Methylcyclohexane	35.2		250	254	88	250	263	91	3	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54932-1MS	2A221703.D	5	11/12/22	NH	n/a	n/a	V2A9637
JD54932-1MSD	2A221704.D	5	11/12/22	NH	n/a	n/a	V2A9637
JD54932-1 [a]	2A221701.D	5	11/12/22	NH	n/a	n/a	V2A9637

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1, JD55285-2

CAS No.	Compound	JD54932-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		250	224	90	250	229	92	2	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		1000	936	94	1000	962	96	3	65-135/14
75-09-2	Methylene chloride	ND		250	215	86	250	215	86	0	66-125/14
100-42-5	Styrene	ND		250	274	110	250	275	110	0	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	232	93	250	231	92	0	68-127/14
127-18-4	Tetrachloroethene	ND		250	234	94	250	233	93	0	58-132/13
108-88-3	Toluene	2.8		250	241	95	250	240	95	0	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		250	291	116	250	296	118	2	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		250	273	109	250	269	108	1	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		250	237	95	250	240	96	1	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		250	232	93	250	229	92	1	75-120/12
79-01-6	Trichloroethene	ND		250	238	95	250	238	95	0	56-136/12
75-69-4	Trichlorofluoromethane	ND		250	233	93	250	240	96	3	61-145/16
75-01-4	Vinyl chloride	ND		250	214	86	250	215	86	0	41-156/16
	m,p-Xylene	2540	E	500	2510	-6* [b]	500	2460	-16* [b]	2	32-151/12
95-47-6	o-Xylene	925		250	963	15* [b]	250	945	8* [b]	2	50-139/12
1330-20-7	Xylene (total)	3470	E	750	3470	0* [b]	750	3410	-8* [b]	2	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54932-1	Limits
1868-53-7	Dibromofluoromethane	97%	98%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	102%	80-120%
2037-26-5	Toluene-D8	99%	98%	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	99%	99%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD55571-5MS	2A221781.D	1	11/14/22	NH	n/a	n/a	V2A9641
JD55571-5MSD	2A221782.D	1	11/14/22	NH	n/a	n/a	V2A9641
JD55571-5	2A221773.D	1	11/14/22	NH	n/a	n/a	V2A9641

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD55285-1

CAS No.	Compound	JD55571-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	46.6	93	50	46.4	93	0	49-137/12

CAS No.	Surrogate Recoveries	MS	MSD	JD55571-5	Limits
1868-53-7	Dibromofluoromethane	99%	99%	102%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	101%	102%	80-120%
2037-26-5	Toluene-D8	99%	98%	99%	80-120%
460-00-4	4-Bromofluorobenzene	97%	98%	101%	82-114%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V2A9632-BFB	**Injection Date:**	11/08/22
Lab File ID:	2A221580.D	**Injection Time:**	16:21
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	63629	23.0		Pass
75	30.0 - 60.0% of mass 95	133693	48.4		Pass
95	Base peak, 100% relative abundance	276437	100.0		Pass
96	5.0 - 9.0% of mass 95	17931	6.49		Pass
173	Less than 2.0% of mass 174	1804	0.65	(0.72) [a]	Pass
174	50.0 - 120.0% of mass 95	250090	90.5		Pass
175	5.0 - 9.0% of mass 174	17440	6.31	(6.97) [a]	Pass
176	95.0 - 101.0% of mass 174	249344	90.2	(99.7) [a]	Pass
177	5.0 - 9.0% of mass 176	15413	5.58	(6.18) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9632-IC9632	2A221581.D	11/08/22	16:58	00:37	Initial cal 0.2
V2A9632-IC9632	2A221582.D	11/08/22	17:27	01:06	Initial cal 0.5
V2A9632-IC9632	2A221583.D	11/08/22	17:56	01:35	Initial cal 1
V2A9632-IC9632	2A221584.D	11/08/22	18:24	02:03	Initial cal 2
V2A9632-IC9632	2A221585.D	11/08/22	18:53	02:32	Initial cal 4
V2A9632-IC9632	2A221586.D	11/08/22	19:21	03:00	Initial cal 8
V2A9632-IC9632	2A221587.D	11/08/22	19:50	03:29	Initial cal 20
V2A9632-ICC9632	2A221588.D	11/08/22	20:18	03:57	Initial cal 50
V2A9632-IC9632	2A221589.D	11/08/22	20:46	04:25	Initial cal 100
V2A9632-IC9632	2A221590.D	11/08/22	21:14	04:53	Initial cal 200
V2A9632-ICV9632	2A221593.D	11/08/22	22:38	06:17	Initial cal verification 50
V2A9632-ICV9632	2A221594.D	11/08/22	23:06	06:45	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V2A9632-BFB2	**Injection Date:**	11/09/22
Lab File ID:	2A221597.D	**Injection Time:**	13:03
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	63989	24.3		Pass
75	30.0 - 60.0% of mass 95	130389	49.6		Pass
95	Base peak, 100% relative abundance	262976	100.0		Pass
96	5.0 - 9.0% of mass 95	17127	6.51		Pass
173	Less than 2.0% of mass 174	1722	0.65	(0.73) [a]	Pass
174	50.0 - 120.0% of mass 95	234730	89.3		Pass
175	5.0 - 9.0% of mass 174	17176	6.53	(7.32) [a]	Pass
176	95.0 - 101.0% of mass 174	232149	88.3	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	14979	5.70	(6.45) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9632-ICV9632	2A221598.D	11/09/22	13:32	00:29	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V2A9634-BFB
Lab File ID: 2A221626.D
Instrument ID: GCMS2A
Injection Date: 11/10/22
Injection Time: 05:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	59141	25.4		Pass
75	30.0 - 60.0% of mass 95	118357	50.9		Pass
95	Base peak, 100% relative abundance	232704	100.0		Pass
96	5.0 - 9.0% of mass 95	15156	6.51		Pass
173	Less than 2.0% of mass 174	1412	0.61	(0.74) [a]	Pass
174	50.0 - 120.0% of mass 95	189760	81.5		Pass
175	5.0 - 9.0% of mass 174	14278	6.14	(7.52) [a]	Pass
176	95.0 - 101.0% of mass 174	184685	79.4	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	12554	5.39	(6.80) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9634-IC9634	2A221627.D	11/10/22	05:42	00:29	Initial cal 1
V2A9634-IC9634	2A221628.D	11/10/22	06:10	00:57	Initial cal 2
V2A9634-IC9634	2A221629.D	11/10/22	06:38	01:25	Initial cal 4
V2A9634-IC9634	2A221630.D	11/10/22	07:06	01:53	Initial cal 8
V2A9634-IC9634	2A221631.D	11/10/22	07:34	02:21	Initial cal 20
V2A9634-ICC9634	2A221632.D	11/10/22	08:02	02:49	Initial cal 50
V2A9634-IC9634	2A221633.D	11/10/22	08:30	03:17	Initial cal 100
V2A9634-ICV9634	2A221634.D	11/10/22	08:58	03:45	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V2A9637-BFB	**Injection Date:**	11/11/22
Lab File ID:	2A221695.D	**Injection Time:**	22:01
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	68491	24.2		Pass
75	30.0 - 60.0% of mass 95	137547	48.5		Pass
95	Base peak, 100% relative abundance	283435	100.0		Pass
96	5.0 - 9.0% of mass 95	18340	6.47		Pass
173	Less than 2.0% of mass 174	2029	0.72	(0.81) [a]	Pass
174	50.0 - 120.0% of mass 95	249408	88.0		Pass
175	5.0 - 9.0% of mass 174	17979	6.34	(7.21) [a]	Pass
176	95.0 - 101.0% of mass 174	243755	86.0	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	16000	5.65	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9637-CC9632	2A221695.D	11/11/22	22:01	00:00	Continuing cal 50
V2A9637-BS	2A221697.D	11/11/22	22:59	00:58	Blank Spike
V2A9637-MB	2A221699.D	11/11/22	23:56	01:55	Method Blank
ZZZZZZ	2A221700.D	11/12/22	00:25	02:24	(unrelated sample)
JD54932-1	2A221701.D	11/12/22	00:54	02:53	(used for QC only; not part of job JD55285)
JD54932-1MS	2A221703.D	11/12/22	01:52	03:51	Matrix Spike
JD54932-1MSD	2A221704.D	11/12/22	02:20	04:19	Matrix Spike Duplicate
JD55285-2	2A221706.D	11/12/22	03:18	05:17	TRIP BLANK
ZZZZZZ	2A221707.D	11/12/22	03:46	05:45	(unrelated sample)
ZZZZZZ	2A221708.D	11/12/22	04:15	06:14	(unrelated sample)
ZZZZZZ	2A221709.D	11/12/22	04:43	06:42	(unrelated sample)
ZZZZZZ	2A221710.D	11/12/22	05:12	07:11	(unrelated sample)
ZZZZZZ	2A221711.D	11/12/22	05:41	07:40	(unrelated sample)
ZZZZZZ	2A221712.D	11/12/22	06:09	08:08	(unrelated sample)
ZZZZZZ	2A221713.D	11/12/22	06:39	08:38	(unrelated sample)
ZZZZZZ	2A221714.D	11/12/22	07:07	09:06	(unrelated sample)
ZZZZZZ	2A221715.D	11/12/22	07:35	09:34	(unrelated sample)
ZZZZZZ	2A221716.D	11/12/22	08:04	10:03	(unrelated sample)
ZZZZZZ	2A221717.D	11/12/22	08:32	10:31	(unrelated sample)
ZZZZZZ	2A221718.D	11/12/22	09:01	11:00	(unrelated sample)
JD55285-1	2A221719.D	11/12/22	09:30	11:29	MW-26(D)

Instrument Performance Check (BFB)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V2A9641-BFB	**Injection Date:**	11/14/22
Lab File ID:	2A221768.D	**Injection Time:**	11:55
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	53176	26.4		Pass
75	30.0 - 60.0% of mass 95	102232	50.7		Pass
95	Base peak, 100% relative abundance	201579	100.0		Pass
96	5.0 - 9.0% of mass 95	12498	6.20		Pass
173	Less than 2.0% of mass 174	1587	0.79	(0.87) [a]	Pass
174	50.0 - 120.0% of mass 95	182592	90.6		Pass
175	5.0 - 9.0% of mass 174	13342	6.62	(7.31) [a]	Pass
176	95.0 - 101.0% of mass 174	178709	88.7	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	11134	5.52	(6.23) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9641-CC9632	2A221768.D	11/14/22	11:55	00:00	Continuing cal 20
V2A9641-CC9634	2A221769.D	11/14/22	12:30	00:35	Continuing cal 20
V2A9638-BS2	2A221770A.D	11/14/22	12:59	01:04	Blank Spike
V2A9641-BS	2A221770.D	11/14/22	12:59	01:04	Blank Spike
V2A9638-MB2	2A221772A.D	11/14/22	13:56	02:01	Method Blank
V2A9641-MB	2A221772.D	11/14/22	13:56	02:01	Method Blank
JD55571-5	2A221773.D	11/14/22	14:24	02:29	(used for QC only; not part of job JD55285)
JD55285-1	2A221774.D	11/14/22	14:53	02:58	MW-26(D)
ZZZZZZ	2A221775.D	11/14/22	15:21	03:26	(unrelated sample)
ZZZZZZ	2A221776.D	11/14/22	15:49	03:54	(unrelated sample)
ZZZZZZ	2A221777.D	11/14/22	16:18	04:23	(unrelated sample)
ZZZZZZ	2A221778.D	11/14/22	16:46	04:51	(unrelated sample)
ZZZZZZ	2A221779.D	11/14/22	17:15	05:20	(unrelated sample)
ZZZZZZ	2A221780.D	11/14/22	17:43	05:48	(unrelated sample)
JD55571-5MS	2A221781.D	11/14/22	18:11	06:16	Matrix Spike
JD55571-5MSD	2A221782.D	11/14/22	18:39	06:44	Matrix Spike Duplicate
ZZZZZZ	2A221783.D	11/14/22	19:08	07:13	(unrelated sample)
ZZZZZZ	2A221784.D	11/14/22	19:36	07:41	(unrelated sample)
ZZZZZZ	2A221785.D	11/14/22	20:04	08:09	(unrelated sample)
ZZZZZZ	2A221786.D	11/14/22	20:33	08:38	(unrelated sample)
ZZZZZZ	2A221787.D	11/14/22	21:01	09:06	(unrelated sample)
JD55571-1	2A221788.D	11/14/22	21:29	09:34	(used for QC only; not part of job JD55285)
ZZZZZZ	2A221789.D	11/14/22	21:57	10:02	(unrelated sample)
ZZZZZZ	2A221790.D	11/14/22	22:26	10:31	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V2A9641-BFB	**Injection Date:**	11/14/22
Lab File ID:	2A221768.D	**Injection Time:**	11:55
Instrument ID:	GCMS2A		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JD55284-8MS	2A221791.D	11/14/22	22:54	10:59	Matrix Spike
JD55284-8MSD	2A221792.D	11/14/22	23:22	11:27	Matrix Spike Duplicate

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std: V2A9637-CC9632 **Injection Date:** 11/11/22
Lab File ID: 2A221695.D **Injection Time:** 22:01
Instrument ID: GCMS2A **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	438874	7.25	764201	9.51	1032103	10.43	926513	13.56	449187	15.89
Upper Limit [a]	877748	7.75	1528402	10.01	2064206	10.93	1853026	14.06	898374	16.39
Lower Limit [b]	219437	6.75	382101	9.01	516052	9.93	463257	13.06	224594	15.39
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V2A9637-BS	439042	7.25	765746	9.51	1036883	10.43	926870	13.56	450637	15.89
V2A9637-MB	453156	7.25	768979	9.51	1034360	10.44	935711	13.56	431067	15.89
ZZZZZZ	437417	7.25	754374	9.51	1023960	10.43	926675	13.56	424657	15.89
JD54932-1	426881	7.25	736997	9.51	994365	10.44	908966	13.56	430039	15.89
JD54932-1MS	507675	7.25	873497	9.51	1150875	10.43	1035376	13.56	494609	15.89
JD54932-1MSD	534547	7.25	897046	9.51	1179555	10.43	1071432	13.56	513039	15.89
JD55285-2	514831	7.25	889497	9.51	1155231	10.43	1076320	13.56	514202	15.89
ZZZZZZ	503476	7.25	881554	9.51	1160787	10.43	1061329	13.56	508239	15.89
ZZZZZZ	491888	7.25	852259	9.51	1124780	10.43	1034379	13.56	491497	15.89
ZZZZZZ	485173	7.25	858574	9.51	1135692	10.43	1044796	13.56	504597	15.89
ZZZZZZ	478090	7.25	861873	9.51	1128366	10.43	1033147	13.56	491926	15.89
ZZZZZZ	467735	7.25	823279	9.51	1076539	10.43	992818	13.56	468917	15.89
ZZZZZZ	463909	7.25	795064	9.51	1051918	10.43	967736	13.56	454538	15.89
ZZZZZZ	474695	7.25	793383	9.51	1053690	10.43	962487	13.56	447188	15.89
ZZZZZZ	440566	7.25	777525	9.51	1031167	10.43	949218	13.56	437299	15.89
ZZZZZZ	433759	7.25	757802	9.51	1008171	10.43	919016	13.56	424995	15.89
ZZZZZZ	419805	7.25	736027	9.51	991542	10.43	899086	13.56	413760	15.89
ZZZZZZ	420267	7.25	720153	9.51	971295	10.43	884363	13.56	408046	15.89
ZZZZZZ	404683	7.25	713946	9.51	965120	10.43	881404	13.56	402137	15.89
JD55285-1 [c]	402263	7.25	680421	9.51	945968	10.43	850390	13.56	396216	15.89

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) (pH= 6)Sample pH did not satisfy field preservation criteria.Dilution required due to high concentration of target compound.

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std: V2A9641-CC9632 **Injection Date:** 11/14/22
Lab File ID: 2A221768.D **Injection Time:** 11:55
Instrument ID: GCMS2A **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	294368	7.25	546984	9.51	763582	10.43	681419	13.56	336470	15.89
Upper Limit [a]	588736	7.75	1093968	10.01	1527164	10.93	1362838	14.06	672940	16.39
Lower Limit [b]	147184	6.75	273492	9.01	381791	9.93	340710	13.06	168235	15.39
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V2A9638-BS2	313023	7.25	572872	9.51	793121	10.43	725371	13.56	367740	15.89
V2A9641-BS	313023	7.25	572872	9.51	793121	10.43	725371	13.56	367740	15.89
V2A9638-MB2	348359	7.25	613598	9.51	837008	10.43	757216	13.56	349839	15.88
V2A9641-MB	348359	7.25	613598	9.51	837008	10.43	757216	13.56	349839	15.88
JD55571-5	330544	7.25	595060	9.51	811929	10.43	731233	13.56	332995	15.89
JD55285-1 [c]	330676	7.24	591075	9.51	808666	10.43	727819	13.56	338777	15.89
ZZZZZZ	346364	7.25	593686	9.51	821196	10.43	736031	13.56	336453	15.88
ZZZZZZ	344116	7.25	587070	9.51	816886	10.43	733433	13.56	329614	15.89
ZZZZZZ	335858	7.24	573544	9.51	791233	10.43	712384	13.56	360699	15.89
ZZZZZZ	451408	7.24	764234	9.51	1029355	10.43	942552	13.56	444821	15.88
ZZZZZZ	498582	7.24	852605	9.51	1126710	10.43	1040651	13.56	487826	15.89
ZZZZZZ	424052	7.25	875914	9.51	1142446	10.43	1040639	13.56	493622	15.89
JD55571-5MS	489226	7.25	879616	9.51	1172437	10.43	1056983	13.56	517007	15.89
JD55571-5MSD	500988	7.25	897176	9.51	1186679	10.43	1077351	13.56	521952	15.89
ZZZZZZ	515175	7.24	906677	9.51	1180239	10.43	1079146	13.56	528290	15.88
ZZZZZZ	506246	7.25	904541	9.51	1182183	10.43	1091627	13.56	519894	15.88
ZZZZZZ	481320	7.24	896390	9.51	1147013	10.43	1064643	13.56	512920	15.89
ZZZZZZ	480772	7.24	890721	9.51	1160567	10.43	1059628	13.56	514075	15.89
ZZZZZZ	497752	7.25	879231	9.51	1145832	10.43	1053814	13.56	506824	15.88
JD55571-1	478234	7.25	853631	9.51	1119036	10.43	1028362	13.56	494623	15.88
ZZZZZZ	473516	7.24	850040	9.51	1111439	10.43	1020145	13.56	490521	15.89
ZZZZZZ	464936	7.25	833740	9.51	1092380	10.43	1015396	13.56	474334	15.89
JD55284-8MS	450079	7.25	818841	9.51	1101436	10.43	991337	13.56	481118	15.88
JD55284-8MSD	422946	7.25	804101	9.51	1080164	10.43	974586	13.56	470907	15.88

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) (pH= 6)Sample pH did not satisfy field preservation criteria.

Internal Standard Area Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	V2A9641-CC9634	**Injection Date:**	11/14/22
Lab File ID:	2A221769.D	**Injection Time:**	12:30
Instrument ID:	GCMS2A	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	319966	7.25	581060	9.51	801764	10.44	712581	13.56	338108	15.89
Upper Limit [a]	639932	7.75	1162120	10.01	1603528	10.94	1425162	14.06	676216	16.39
Lower Limit [b]	159983	6.75	290530	9.01	400882	9.94	356291	13.06	169054	15.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2A9638-BS2	313023	7.25	572872	9.51	793121	10.43	725371	13.56	367740	15.89
V2A9641-BS	313023	7.25	572872	9.51	793121	10.43	725371	13.56	367740	15.89
V2A9638-MB2	348359	7.25	613598	9.51	837008	10.43	757216	13.56	349839	15.88
V2A9641-MB	348359	7.25	613598	9.51	837008	10.43	757216	13.56	349839	15.88
JD55571-5	330544	7.25	595060	9.51	811929	10.43	731233	13.56	332995	15.89
JD55285-1 [c]	330676	7.24	591075	9.51	808666	10.43	727819	13.56	338777	15.89
ZZZZZZ	346364	7.25	593686	9.51	821196	10.43	736031	13.56	336453	15.88
ZZZZZZ	344116	7.25	587070	9.51	816886	10.43	733433	13.56	329614	15.89
ZZZZZZ	335858	7.24	573544	9.51	791233	10.43	712384	13.56	360699	15.89
ZZZZZZ	451408	7.24	764234	9.51	1029355	10.43	942552	13.56	444821	15.88
ZZZZZZ	498582	7.24	852605	9.51	1126710	10.43	1040651	13.56	487826	15.89
ZZZZZZ	424052	7.25	875914	9.51	1142446	10.43	1040639	13.56	493622	15.89
JD55571-5MS	489226	7.25	879616	9.51	1172437	10.43	1056983	13.56	517007	15.89
JD55571-5MSD	500988	7.25	897176	9.51	1186679	10.43	1077351	13.56	521952	15.89
ZZZZZZ	515175	7.24	906677	9.51	1180239	10.43	1079146	13.56	528290	15.88
ZZZZZZ	506246	7.25	904541	9.51	1182183	10.43	1091627	13.56	519894	15.88
ZZZZZZ	481320	7.24	896390	9.51	1147013	10.43	1064643	13.56	512920	15.89
ZZZZZZ	480772	7.24	890721	9.51	1160567	10.43	1059628	13.56	514075	15.89
ZZZZZZ	497752	7.25	879231	9.51	1145832	10.43	1053814	13.56	506824	15.88
JD55571-1	478234	7.25	853631	9.51	1119036	10.43	1028362	13.56	494623	15.88
ZZZZZZ	473516	7.24	850040	9.51	1111439	10.43	1020145	13.56	490521	15.89
ZZZZZZ	464936	7.25	833740	9.51	1092380	10.43	1015396	13.56	474334	15.89
JD55284-8MS	450079	7.25	818841	9.51	1101436	10.43	991337	13.56	481118	15.88
JD55284-8MSD	422946	7.25	804101	9.51	1080164	10.43	974586	13.56	470907	15.88

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) (pH= 6)Sample pH did not satisfy field preservation criteria.

Surrogate Recovery Summary

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD55285-1	2A221719.D	101	101	99	99
JD55285-1	2A221774.D	101	102	99	98
JD55285-2	2A221706.D	96	104	96	96
JD54932-1MS	2A221703.D	97	100	99	100
JD54932-1MSD	2A221704.D	98	100	98	99
JD55571-5MS	2A221781.D	99	99	99	97
JD55571-5MSD	2A221782.D	99	101	98	98
V2A9637-BS	2A221697.D	100	100	100	99
V2A9637-MB	2A221699.D	100	102	99	102
V2A9641-BS	2A221770.D	103	100	99	95
V2A9641-MB	2A221772.D	101	101	99	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JD55285 **Sample:** V2A9632-ICC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221588.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMS2A

Method : C:\MSDCHEM\1\METHODS\M2A9632.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Mon Nov 14 16:54:18 2022
Last Update : Mon Nov 14 16:54:18 2022
Response via : Initial Calibration

Calibration Files
4 =2A221585.D 8 =2A221586.D 0.5 =2A221582.D 50 =2A221588.D
100 =2A221589.D 1 =2A221583.D 200 =2A221590.D 20 =2A221587.D
2 =2A221584.D 0.2 =2A221581.D = =

Compound	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.125	0.103	0.121	0.126	0.119	0.124	0.106	0.093			0.115	10.72
3) tertiary butyl alcohol	1.445	1.150	1.229	1.247	1.267	1.233	1.157	1.575			1.288	11.43
4) 1,4-dioxane	0.075	0.059	0.075	0.080		0.079	0.073	0.077			0.074	9.82
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.769	0.586	0.663	0.637	0.621	0.682	0.556	0.605	0.783	0.730	0.663	11.64
7) dichlorodifluoromethane	0.506	0.488	0.458	0.549	0.516	0.540	0.494	0.547	0.548		0.516	6.30
8) chloromethane	0.738	0.710	0.881	0.775	0.753	0.861	0.687	0.800	0.803		0.779	8.33
9) vinyl chloride	0.516	0.497	0.537	0.565	0.561	0.549	0.527	0.571	0.541	0.498	0.536	4.95
10) 1,3-butadiene	*This compound fails Initial Calibration criteria*											
	0.504	0.388	0.398	0.383		0.353	0.393				0.403	12.83
11) bromomethane	0.306	0.303	0.316	0.314	0.372	0.292	0.319	0.317			0.317	7.52
12) chloroethane	0.267	0.267	0.265	0.292	0.289	0.310	0.280	0.295	0.277	0.275	0.282	5.17
13) trichlorofluoromethane	0.582	0.597	0.579	0.657	0.633	0.642	0.620	0.651	0.605		0.618	4.72
14) ethyl ether	0.234	0.197	0.222	0.220	0.198	0.212	0.198	0.240			0.215	7.83
15) acrolein	0.087	0.089	0.109	0.106		0.104	0.102	0.086			0.097	10.25
16) freon 113	0.351	0.261	0.294	0.289	0.302	0.286	0.278	0.346			0.301	10.59
17) 1,1-dichloroethene	0.367	0.272	0.310	0.305	0.304	0.367	0.289	0.286	0.379		0.320	12.59
18) acetone	0.078	0.068	0.055	0.067	0.073	0.063	0.050	0.079			0.067	15.55
19) acetonitrile	0.090	0.077	0.083	0.081	0.082	0.075	0.077	0.083			0.081	5.65
20) iodomethane	0.706	0.564	0.561	0.650	0.652	0.667	0.619	0.601	0.740	0.664	0.643	8.97
21) carbon disulfide	1.353	1.018	1.097	1.075	1.370	1.000	1.034	1.434			1.173	15.40
22) methylene chloride	0.419	0.339	0.380	0.371	0.372	0.407	0.352	0.341	0.427		0.379	8.65
23) methyl acetate												

```
      0.074 0.060       0.071 0.070       0.070 0.063 0.079        0.070    9.35
24)  methyl tert butyl ether
      1.308 1.038 1.015 1.162 1.145 1.248 1.058 1.092 1.297        1.151    9.66
25)  trans-1,2-dichloroethene
      0.403 0.311 0.380 0.356 0.355 0.354 0.336 0.323 0.458        0.364   12.30
26)  hexane
      0.819 0.642 0.693 0.729 0.701 0.747 0.671 0.667 0.875        0.727   10.50
27)  di-isopropyl ether
      2.197 1.759 1.731 1.911 1.820 1.985 1.600 1.800 2.195        1.889   10.85
28)  ethyl tert-butyl ether
      1.703 1.377 1.407 1.529 1.486 1.555 1.351 1.433 1.716        1.506    8.85
29)  2-butanone
      0.062 0.055       0.053 0.057 0.065 0.054 0.049 0.061        0.057    9.16
30)  1,1-dichloroethane
      0.879 0.685 0.722 0.770 0.761 0.803 0.705 0.722 0.896 0.839  0.778    9.50
31)  chloroprene
      0.797 0.644 0.643 0.742 0.741 0.684 0.691 0.684 0.809 0.812  0.725    8.98
32)  acrylonitrile
      0.199 0.192       0.221 0.219 0.187 0.214 0.206 0.177        0.202    7.92
33)  vinyl acetate
      0.081 0.069       0.086 0.083       0.080 0.081 0.077        0.080    6.89
34)  ethyl acetate
      0.110 0.107       0.103 0.100 0.105 0.095 0.099 0.118        0.105    7.12
35)  2,2-dichloropropane
      0.645 0.510 0.572 0.555 0.559 0.608 0.525 0.529 0.645 0.631  0.578    8.84
36)  cis-1,2-dichloroethene
      0.454 0.367 0.360 0.402 0.400 0.456 0.375 0.371 0.467        0.406   10.46
37)  propionitrile
      0.094 0.076 0.068 0.083 0.080 0.081 0.072 0.078 0.089        0.080    9.94
38)  bromochloromethane
      0.311 0.238 0.226 0.278 0.283 0.263 0.265 0.250 0.305        0.269   10.60
39)  tetrahydrofuran
      0.234 0.199       0.206 0.204 0.237 0.184 0.193 0.236        0.212    9.95
40)  chloroform
      0.771 0.598 0.766 0.685 0.674 0.801 0.625 0.627 0.802        0.705   11.42
41)  tert-butyl formate
      0.330 0.275 0.240 0.326 0.321 0.251 0.308 0.290 0.323        0.296   11.44
42)  isobutyl alcohol
      0.034 0.033       0.035 0.032       0.030 0.027 0.038        0.033   11.12
43)  dibromofluoromethane (s)
      0.445 0.447 0.446 0.447 0.456 0.445 0.449 0.450 0.448 0.438  0.447    1.02
44)  methacrylonitrile
      0.195 0.167       0.184 0.185       0.177 0.173 0.190        0.181    5.30
45)  1,1,1-trichloroethane
      0.671 0.541 0.544 0.612 0.606 0.589 0.576 0.559 0.662        0.596    7.94
46)  cyclohexane
      0.536 0.517 0.576 0.563 0.531 0.571 0.527 0.561 0.544 0.467  0.539    6.02
47)  1,1-dichloropropene
      0.578 0.453 0.454 0.518 0.515 0.586 0.485 0.479 0.592        0.518   10.68
48)  tert-amyl alcohol
      0.033 0.029       0.028 0.028 0.031 0.028 0.028 0.034        0.030    7.85
49)  carbon tetrachloride
      0.633 0.498 0.519 0.572 0.583 0.576 0.548 0.524 0.668 0.602  0.572    9.26

50) I   1,4-difluorobenzene   ----------------ISTD----------------------
51)  1,2-dichloroethane-d4 (s)
      0.424 0.424 0.422 0.409 0.409 0.425 0.405 0.421 0.417 0.419  0.417    1.77
52)  2,2,4-trimethylpentane
      1.501 1.148 1.187 1.271 1.238 1.320 1.138 1.215 1.502        1.280   10.78
53)  tert-amyl methyl ether
```

1.038 0.836 0.908 0.926 0.891 0.957 0.820 0.858 1.052 0.921 8.95

54) n-butyl alcohol
0.014 0.013 0.012 0.013 0.013 0.014 0.012 0.013 0.014 0.013 6.32

55) benzene
1.233 0.962 0.954 1.066 1.035 1.107 0.948 1.000 1.241 1.061 10.67

56) heptane
0.304 0.237 0.275 0.273 0.262 0.273 0.256 0.247 0.315 0.304 0.274 9.41

57) isopropyl acetate
0.075 0.063 0.073 0.071 0.057 0.070 0.065 0.078 0.069 10.04

58) 1,2-dichloroethane
0.553 0.411 0.468 0.460 0.510 0.430 0.431 0.545 0.476 11.40

59) trichloroethene
0.328 0.259 0.283 0.283 0.286 0.295 0.270 0.264 0.346 0.290 10.05

60) ethyl acrylate
0.616 0.505 0.496 0.571 0.552 0.532 0.502 0.535 0.588 0.544 7.62

61) 2-nitropropane
0.127 0.103 0.118 0.115 0.112 0.107 0.131 0.116 8.76

62) 2-chloroethyl vinyl ether *This compound fails Initial Calibration criteria*
0.044 0.051 0.105 0.124 0.017 0.133 0.068 0.032 0.072 60.91

63) methyl methacrylate
0.087 0.074 0.086 0.086 0.074 0.083 0.080 0.081 0.081 6.39

64) 1,2-dichloropropane
0.400 0.304 0.335 0.339 0.335 0.354 0.311 0.314 0.397 0.343 10.15

65) methylcyclohexane
0.509 0.403 0.463 0.453 0.447 0.481 0.431 0.425 0.534 0.461 8.99

66) dibromomethane
0.220 0.169 0.170 0.197 0.196 0.191 0.185 0.185 0.212 0.192 8.88

67) bromodichloromethane
0.429 0.356 0.399 0.405 0.402 0.395 0.375 0.374 0.442 0.398 6.80

68) epichlorohydrin
0.045 0.038 0.042 0.042 0.032 0.040 0.038 0.043 0.040 9.64

69) cis-1,3-dichloropropene
0.562 0.431 0.458 0.488 0.481 0.455 0.453 0.457 0.513 0.478 8.36

70) 4-methyl-2-pentanone
0.182 0.152 0.168 0.159 0.153 0.153 0.139 0.154 0.177 0.160 8.46

71) 3-methyl-1-butanol
0.010 0.009 0.008 0.009 0.009 0.009 0.009 0.009 0.010 0.009 7.03

72) I chlorobenzene-d5 ----------ISTD----------

73) toluene-d8 (s)
1.226 1.235 1.228 1.238 1.241 1.243 1.268 1.233 1.241 1.221 1.237 1.06

74) toluene
0.802 0.647 0.701 0.740 0.726 0.789 0.692 0.673 0.817 0.732 8.18

75) trans-1,3-dichloropropene
0.545 0.433 0.511 0.517 0.509 0.501 0.481 0.473 0.546 0.502 7.12

76) ethyl methacrylate
0.487 0.391 0.383 0.454 0.451 0.391 0.425 0.428 0.459 0.516 0.438 9.94

77) 1,1,2-trichloroethane
0.282 0.221 0.286 0.252 0.248 0.244 0.239 0.231 0.283 0.254 9.49

78) 2-hexanone
0.200 0.180 0.162 0.174 0.175 0.171 0.161 0.168 0.218 0.179 10.47

79) tetrachloroethene
0.425 0.329 0.380 0.358 0.358 0.427 0.339 0.345 0.465 0.381 12.39

80) 1,3-dichloropropane
0.540 0.432 0.497 0.482 0.476 0.504 0.452 0.448 0.559 0.488 8.66

81) butyl acetate
0.335 0.287 0.307 0.305 0.283 0.293 0.285 0.317 0.301 6.01

82) dibromochloromethane
0.400 0.328 0.369 0.390 0.390 0.349 0.373 0.356 0.414 0.374 7.24

83) 1,2-dibromoethane

Initial Calibration Summary

Job Number: JD55285 **Sample:** V2A9632-ICC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221588.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
      0.353 0.296 0.304 0.331 0.325 0.310 0.309 0.301 0.341        0.319    6.19
 84)  n-butyl ether
      1.769 1.423       1.580 1.510 1.488 1.297 1.508 1.747        1.540   10.25
 85)  chlorobenzene
      0.883 0.725 0.807 0.812 0.796 0.813 0.738 0.754 0.931        0.807    8.28
 86)  1,1,1,2-tetrachloroethane
      0.365 0.283 0.289 0.335 0.332 0.334 0.316 0.303 0.344        0.322    8.36
 87)  ethylbenzene
      1.511 1.204 1.360 1.330 1.277 1.377 1.108 1.251 1.558        1.331   10.69
 88)  m,p-xylene
      0.568 0.459 0.506 0.523 0.517 0.515 0.478 0.481 0.588        0.515    8.12
 89)  o-xylene
      1.252 0.986 1.122 1.073 1.036 1.154 0.924 1.016 1.215        1.086    9.97
 90)  styrene
      0.929 0.768 0.701 0.870 0.851 0.785 0.780 0.811 0.916        0.823    9.05
 91)  n-amyl acetate
      0.237 0.204       0.232 0.232 0.193 0.230 0.211 0.236        0.222    7.57
 92)  bromoform
      0.274 0.240 0.231 0.281 0.281 0.257 0.272 0.255 0.288        0.264    7.43
 93)  butyl acrylate
      0.927 0.821 0.697 0.921 0.889 0.755 0.797 0.860 0.910        0.842    9.52
 94)  isopropylbenzene
      1.485 1.180 1.348 1.304 1.252 1.298 1.114 1.245 1.494        1.302    9.73
 95)  cis-1,4-dichloro-2-butene
      0.114 0.105       0.154 0.163       0.163 0.122              0.137   19.35

 96) I   1,4-dichlorobenzene-d ----------------ISTD----------------------
 97)  4-bromofluorobenzene (s)
      0.985 0.988 0.987 0.987 0.988 0.984 0.996 0.989 0.981 0.997  0.988    0.49
 98)  bromobenzene
      0.849 0.712 0.816 0.758 0.746 0.817 0.702 0.725 0.837        0.774    7.32
 99)  1,1,2,2-tetrachloroethane
      0.938 0.770 0.849 0.826 0.798 0.757 0.745 0.791 1.009        0.831   10.66
100)  trans-1,4-dichloro-2-butene
      0.206 0.208       0.287 0.291       0.284 0.232              0.252   16.09
101)  1,2,3-trichloropropane
      0.254 0.197 0.210 0.218 0.218 0.199 0.211 0.211 0.254        0.219    9.55
102)  n-propylbenzene
      3.736 2.968       3.214 3.019 3.306 2.572 3.072 3.865        3.219   13.05
103)  2-chlorotoluene
      0.754 0.635 0.726 0.706 0.693 0.714 0.654 0.645 0.775        0.700    6.94
104)  4-chlorotoluene
      2.376 1.875 2.028 2.031 1.949 2.039 1.765 1.920 2.345        2.036   10.00
105)  1,3,5-trimethylbenzene
      2.540 2.069 2.176 2.251 2.176 2.192 1.945 2.139 2.600        2.232    9.46
106)  tert-butylbenzene
      2.234 1.734 1.880 1.961 1.892 2.003 1.712 1.872 2.220        1.945    9.51
107)  1,2,4-trimethylbenzene
      2.628 2.115 2.171 2.284 2.197 2.221 1.949 2.181 2.507        2.250    9.08
108)  sec-butylbenzene
      3.240 2.603 2.687 2.809 2.684 2.811 2.336 2.693 3.263        2.792   10.59
109)  1,3-dichlorobenzene
      1.580 1.257 1.465 1.376 1.345 1.486 1.218 1.290 1.590        1.401    9.76
110)  p-isopropyltoluene
      2.758 2.242 2.477 2.414 2.334 2.292 2.054 2.293 2.711        2.397    9.37
111)  benzyl chloride
      1.365 1.242       1.499 1.463 1.029 1.359 1.326 1.300        1.323   10.95
112)  1,2,3-trimethylbenzene
      2.685 2.163 2.278 2.362 2.237 2.396 1.917 2.262 2.656        2.329   10.22
113)  1,4-dichlorobenzene
```

Initial Calibration Summary

Job Number: JD55285 **Sample:** V2A9632-ICC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221588.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
      1.581 1.265 1.429 1.387 1.338 1.473 1.182 1.276 1.629        1.396   10.64
114)  1,2-dichlorobenzene
      1.546 1.244 1.398 1.361 1.306 1.403 1.189 1.279 1.518        1.360    8.81
115)  n-butylbenzene
      1.313 1.066 1.072 1.229 1.213 1.121 1.108 1.158 1.334        1.179    8.41
116)  1,2-dibromo-3-chloropropane
      0.171 0.154       0.175 0.179       0.170 0.161 0.169        0.168    5.10
117)  1,3,5-trichlorobenzene
      1.159 0.934 0.939 1.051 1.024 0.955 0.923 0.971 1.037        0.999    7.64
118)  1,2,4-trichlorobenzene
      0.906 0.746 0.832 0.893 0.885 0.759 0.795 0.801 0.768        0.821    7.46
119)  hexachlorobutadiene
      0.514 0.399 0.547 0.448 0.467 0.460 0.424 0.414 0.468        0.460   10.34
120)  naphthalene
      1.627 1.466       1.783 1.761 1.258 1.566 1.620 1.530        1.576   10.64
121)  1,2,3-trichlorobenzene
      0.695 0.584 0.614 0.704 0.718 0.580 0.641 0.636 0.672        0.649    7.87
122)  hexachloroethane
      0.325 0.272       0.370 0.392 0.295 0.390 0.318 0.303        0.333   13.62
123)  2-methylnaphthalene
      0.236 0.221       0.374 0.452       0.443 0.279              0.334   30.73
         ----- Quadratic regression -----                Coefficient =  0.9947
              Response Ratio = -0.01059 + 0.39664 *A + 0.02948 *A^2


124)     pentafluorobenzene(a) ----------------ISTD----------------------
125)  Freon 142B
      0.368 0.401       0.523 0.556             0.476              0.465   17.11
126)  Freon 141B
      0.472 0.469       0.515 0.535 0.474       0.501 0.449        0.488    6.16

127)     1,4-dichlorobenzene-d ----------------ISTD----------------------
128)  indane
      2.016 1.949       2.121 2.020 2.250       2.006 1.958        2.046    5.19
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M2A9632.M         Mon Nov 14 16:55:25 2022   MS2A
```

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221593.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2A9632\2A221593.D Vial: 15
Acq On : 8 Nov 2022 10:38 pm Operator: nickw
Sample : icv9632-50 Inst : GCMS2A
Misc : MS63459,V2A9632,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9632.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Mon Nov 14 16:54:18 2022
Last Update : Mon Nov 14 16:54:18 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	113	0.00	7.25
2	ethanol	0.115	0.121	-5.2	113	0.00	5.97
3	tertiary butyl alcohol	1.288	1.254	2.6	115	0.00	7.36
4	1,4-dioxane	0.074	0.080	-8.1	120	0.00	11.08
5 I	pentafluorobenzene	1.000	1.000	0.0	116	0.00	9.51
6	chlorodifluoromethane		----------NA----------				
7	dichlorodifluoromethane	0.516	0.617	-19.6	130	0.00	3.96
8	chloromethane	0.779	0.786	-0.9	118	0.00	4.35
9	vinyl chloride	0.536	0.619	-15.5	127	0.00	4.57
10	1,3-butadiene	0.403	0.678	-68.2#	198	0.00	4.62
11	bromomethane	0.317	0.374	-18.0	137	0.00	5.19
12	chloroethane	0.282	0.336	-19.1	133	0.00	5.35
13	trichlorofluoromethane	0.618	0.699	-13.1	123	0.00	5.79
14	ethyl ether	0.215	0.234	-8.8	122	0.00	6.19
15	acrolein	0.097	0.116	-19.6	124	0.00	6.41
16	freon 113	0.301	0.314	-4.3	124	0.00	6.61
17	1,1-dichloroethene	0.320	0.332	-3.8	126	0.00	6.60
18	acetone	0.067	0.046	31.3#	96	0.00	6.60
19	acetonitrile		----------NA----------				
20	iodomethane	0.643	0.680	-5.8	121	0.01	6.85
21	carbon disulfide	1.173	1.236	-5.4	131	0.00	6.98
22	methylene chloride	0.379	0.382	-0.8	119	0.00	7.30
23	methyl acetate	0.070	0.081	-15.7	131	0.00	7.06
24	methyl tert butyl ether	1.151	1.190	-3.4	119	0.00	7.65
25	trans-1,2-dichloroethene	0.364	0.372	-2.2	121	0.00	7.69
26	hexane	0.727	0.763	-5.0	121	0.00	8.04
27	di-isopropyl ether	1.889	1.874	0.8	114	0.00	8.25
28	ethyl tert-butyl ether	1.506	1.512	-0.4	115	0.00	8.71
29	2-butanone	0.057	0.052	8.8	115	0.00	8.90
30	1,1-dichloroethane	0.778	0.789	-1.4	119	0.00	8.25
31	chloroprene	0.725	0.764	-5.4	119	0.00	8.36
32	acrylonitrile		----------NA----------				
33	vinyl acetate	0.080	0.067	16.2	89	0.00	8.19
34	ethyl acetate	0.105	0.100	4.8	112	0.00	8.92
35	2,2-dichloropropane	0.578	0.558	3.5	117	0.00	9.00
36	cis-1,2-dichloroethene	0.406	0.407	-0.2	117	0.00	8.97
37	propionitrile	0.080	0.076	5.0	106	0.00	8.98
38	bromochloromethane	0.269	0.289	-7.4	121	0.00	9.26
39	tetrahydrofuran	0.212	0.195	8.0	110	0.00	9.28
40	chloroform	0.705	0.689	2.3	117	0.00	9.34
41	tert-butyl formate	0.296	0.353	-19.3	126	0.00	9.38

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221593.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol	0.033	0.030	9.1	98	0.00	9.74
43	S	dibromofluoromethane (s)	0.447	0.444	0.7	115	0.00	9.54
44		methacrylonitrile	0.181	0.189	-4.4	119	0.00	9.17
45		1,1,1-trichloroethane	0.596	0.632	-6.0	120	0.00	9.60
46		cyclohexane	0.539	0.593	-10.0	122	0.00	9.72
47		1,1-dichloropropene	0.518	0.531	-2.5	119	0.00	9.77
48		tert-amyl alcohol	0.030	0.028	6.7	114	0.00	9.90
49		carbon tetrachloride	0.572	0.598	-4.5	121	0.00	9.80
50	I	1,4-difluorobenzene	1.000	1.000	0.0	114	0.00	10.43
51	S	1,2-dichloroethane-d4 (s)	0.417	0.407	2.4	113	0.00	9.95
52		2,2,4-trimethylpentane	1.280	1.281	-0.1	115	0.00	10.11
53		tert-amyl methyl ether	0.921	0.905	1.7	111	0.00	10.10
54		n-butyl alcohol	0.013	0.013	0.0	111	0.00	10.49
55		benzene	1.061	1.103	-4.0	118	0.00	10.02
56		heptane	0.274	0.280	-2.2	117	0.00	10.28
57		isopropyl acetate	0.069	0.073	-5.8	113	0.00	9.94
58		1,2-dichloroethane	0.476	0.477	-0.2	116	0.00	10.04
59		trichloroethene	0.290	0.302	-4.1	122	0.00	10.74
60		ethyl acrylate	0.544	0.558	-2.6	111	0.00	10.73
61		2-nitropropane	0.116	0.111	4.3	107	0.00	11.50
62		2-chloroethyl vinyl ether	0.072	0.118	-63.9#	128	0.00	11.53
63		methyl methacrylate	0.081	0.097	-19.8	127	0.00	11.00
64		1,2-dichloropropane	0.343	0.346	-0.9	116	0.00	11.03
65		methylcyclohexane	0.461	0.479	-3.9	121	0.00	11.04
66		dibromomethane	0.192	0.199	-3.6	115	0.00	11.14
67		bromodichloromethane	0.398	0.413	-3.8	116	0.00	11.29
68		epichlorohydrin	0.040	0.041	-2.5	111	0.00	11.62
69		cis-1,3-dichloropropene	0.478	0.489	-2.3	114	0.00	11.75
70		4-methyl-2-pentanone	0.160	0.161	-0.6	115	0.00	11.86
71		3-methyl-1-butanol	0.009	0.009	0.0	115	0.00	11.86
72	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	13.56
73	S	toluene-d8 (s)	1.237	1.242	-0.4	113	0.00	12.06
74		toluene	0.732	0.764	-4.4	116	0.00	12.13
75		trans-1,3-dichloropropene	0.502	0.517	-3.0	113	0.00	12.32
76		ethyl methacrylate	0.438	0.418	4.6	104	0.00	12.32
77		1,1,2-trichloroethane	0.254	0.254	0.0	114	0.00	12.54
78		2-hexanone	0.179	0.172	3.9	112	0.00	12.70
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane	0.488	0.493	-1.0	115	0.00	12.71
81		butyl acetate	0.301	0.315	-4.7	116	0.00	12.78
82		dibromochloromethane	0.374	0.396	-5.9	115	0.00	12.96
83		1,2-dibromoethane	0.319	0.337	-5.6	115	0.00	13.11
84		n-butyl ether	1.540	1.586	-3.0	113	0.00	13.56
85		chlorobenzene	0.807	0.830	-2.9	115	0.00	13.59
86		1,1,1,2-tetrachloroethane	0.322	0.343	-6.5	115	0.00	13.66
87		ethylbenzene	1.331	1.371	-3.0	116	0.00	13.65
88		m,p-xylene	0.515	0.544	-5.6	117	0.00	13.77
89		o-xylene	1.086	1.103	-1.6	116	0.00	14.17
90		styrene	0.823	0.904	-9.8	117	0.00	14.19
91		n-amyl acetate	0.222	0.230	-3.6	112	0.00	14.22
92		bromoform	0.264	0.283	-7.2	113	0.00	14.41
93		butyl acrylate	0.842	0.914	-8.6	112	0.00	14.01
94		isopropylbenzene	1.302	1.331	-2.2	115	0.00	14.52
95		cis-1,4-dichloro-2-butene	0.137	0.141	-2.9	103	0.00	14.56
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	15.88
97	S	4-bromofluorobenzene (s)	0.988	0.980	0.8	113	0.00	14.72
98		bromobenzene	0.774	0.779	-0.6	117	0.00	14.90

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221593.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	0.831	0.824	0.8	113	0.00	14.80
100	trans-1,4-dichloro-2-bute	0.252	0.280	-11.1	111	0.00	14.83
101	1,2,3-trichloropropane	0.219	0.225	-2.7	118	0.00	14.88
102	n-propylbenzene	3.219	3.212	0.2	114	0.00	14.94
103	2-chlorotoluene	0.700	0.709	-1.3	114	0.00	15.06
104	4-chlorotoluene	2.036	2.025	0.5	113	0.00	15.18
105	1,3,5-trimethylbenzene	2.232	2.272	-1.8	115	0.00	15.09
106	tert-butylbenzene	1.945	1.966	-1.1	114	0.00	15.43
107	1,2,4-trimethylbenzene	2.250	2.282	-1.4	114	0.00	15.48
108	sec-butylbenzene	2.792	2.861	-2.5	116	0.00	15.65
109	1,3-dichlorobenzene	1.401	1.397	0.3	115	0.00	15.81
110	p-isopropyltoluene	2.397	2.440	-1.8	115	0.00	15.78
111	benzyl chloride	1.323	1.371	-3.6	104	0.00	16.00
112	1,2,3-trimethylbenzene		----------NA----------				
113	1,4-dichlorobenzene	1.396	1.415	-1.4	116	0.00	15.91
114	1,2-dichlorobenzene	1.360	1.350	0.7	113	0.00	16.28
115	n-butylbenzene	1.179	1.218	-3.3	113	0.00	16.19
116	1,2-dibromo-3-chloropropa	0.168	0.169	-0.6	110	0.00	17.04
117	1,3,5-trichlorobenzene	0.999	1.043	-4.4	113	0.00	17.24
118	1,2,4-trichlorobenzene	0.821	0.873	-6.3	111	0.00	17.88
119	hexachlorobutadiene	0.460	0.454	1.3	115	0.00	17.99
120	naphthalene	1.576	1.711	-8.6	109	0.00	18.17
121	1,2,3-trichlorobenzene	0.649	0.678	-4.5	109	0.00	18.39
122	hexachloroethane	0.333	0.380	-14.1	117	0.00	16.57
	---------- True		Calc.	% Drift	----------		
123	2-methylnaphthalene	25.000	21.274	14.9	100	0.00	19.40
	---------- AvgRF		CCRF	% Dev	----------		
124	pentafluorobenzene(a)	1.000	1.000	0.0	128	0.00	9.51
125	Freon 142B		----------NA----------				
126	Freon 141B		----------NA----------				
127	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	133	0.00	15.88
128	indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221588.D M2A9632.M Mon Nov 14 16:55:14 2022 MS2A

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221594.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2A9632\2A221594.D Vial: 16
Acq On : 8 Nov 2022 11:06 pm Operator: nickw
Sample : icv9632-50 Inst : GCMS2A
Misc : MS63459,V2A9632,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9632.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Nov 11 17:38:57 2022
Last Update : Fri Nov 11 17:38:57 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	116	0.00	7.24
2	ethanol		----------NA----------				
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	118	0.00	9.51
6	chlorodifluoromethane	0.663	0.581	12.4	108	0.00	3.98
7	dichlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile	0.081	0.073	9.9	104	0.00	7.00
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile	0.202	0.184	8.9	98	0.00	7.58
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				
38	bromochloromethane		----------NA----------				
39	tetrahydrofuran		----------NA----------				
40	chloroform		----------NA----------				
41	tert-butyl formate		----------NA----------				

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221594.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.447	0.435	2.7	115	0.00	9.53	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	115	0.00	10.43	
51	S	1,2-dichloroethane-d4 (s)	0.417	0.418	-0.2	118	0.00	9.95	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	116	0.00	13.56	
73	S	toluene-d8 (s)	1.237	1.226	0.9	115	0.00	12.06	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene	0.381	0.341	10.5	111	0.00	12.68	
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		n-amyl acetate		----------NA----------					
92		bromoform		----------NA----------					
93		butyl acrylate		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	115	0.00	15.88	
97	S	4-bromofluorobenzene (s)	0.988	0.985	0.3	115	0.00	14.72	
98		bromobenzene		----------NA----------					

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221594.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane		----------NA----------				
100	trans-1,4-dichloro-2-bute		----------NA----------				
101	1,2,3-trichloropropane		----------NA----------				
102	n-propylbenzene		----------NA----------				
103	2-chlorotoluene		----------NA----------				
104	4-chlorotoluene		----------NA----------				
105	1,3,5-trimethylbenzene		----------NA----------				
106	tert-butylbenzene		----------NA----------				
107	1,2,4-trimethylbenzene		----------NA----------				
108	sec-butylbenzene		----------NA----------				
109	1,3-dichlorobenzene		----------NA----------				
110	p-isopropyltoluene		----------NA----------				
111	benzyl chloride		----------NA----------				
112	1,2,3-trimethylbenzene	2.329	2.300	1.2	112	0.00	15.91
113	1,4-dichlorobenzene		----------NA----------				
114	1,2-dichlorobenzene		----------NA----------				
115	n-butylbenzene		----------NA----------				
116	1,2-dibromo-3-chloropropa		----------NA----------				
117	1,3,5-trichlorobenzene		----------NA----------				
118	1,2,4-trichlorobenzene		----------NA----------				
119	hexachlorobutadiene		----------NA----------				
120	naphthalene		----------NA----------				
121	1,2,3-trichlorobenzene		----------NA----------				
122	hexachloroethane		----------NA----------				

		---------- True	Calc.	% Drift ----------			
123	2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221588.D M2A9632.M Fri Nov 11 17:41:24 2022 MS2A

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221598.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2A9632\2A221598.D Vial: 20
Acq On : 9 Nov 2022 1:32 pm Operator: nickw
Sample : icv9632-50 Inst : GCMS2A
Misc : MS63459,V2A9632,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9632.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Nov 11 17:38:57 2022
Last Update : Fri Nov 11 17:38:57 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	109	0.00	7.25
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	9.51
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone	0.067	0.048	28.4	91	0.01	6.61
19		acetonitrile		----------NA----------				
20		iodomethane		----------NA----------				
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30		1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221598.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.447	0.448	-0.2	105	0.00	9.54	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	10.43	
51	S	1,2-dichloroethane-d4 (s)	0.417	0.413	1.0	105	0.00	9.96	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.56	
73	S	toluene-d8 (s)	1.237	1.248	-0.9	104	0.00	12.06	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		n-amyl acetate		----------NA----------					
92		bromoform		----------NA----------					
93		butyl acrylate		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.89	
97	S	4-bromofluorobenzene (s)	0.988	0.967	2.1	103	0.00	14.72	
98		bromobenzene		----------NA----------					

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9632-ICV9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221598.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	----------NA----------	
100	trans-1,4-dichloro-2-bute	----------NA----------	
101	1,2,3-trichloropropane	----------NA----------	
102	n-propylbenzene	----------NA----------	
103	2-chlorotoluene	----------NA----------	
104	4-chlorotoluene	----------NA----------	
105	1,3,5-trimethylbenzene	----------NA----------	
106	tert-butylbenzene	----------NA----------	
107	1,2,4-trimethylbenzene	----------NA----------	
108	sec-butylbenzene	----------NA----------	
109	1,3-dichlorobenzene	----------NA----------	
110	p-isopropyltoluene	----------NA----------	
111	benzyl chloride	----------NA----------	
112	1,2,3-trimethylbenzene	----------NA----------	
113	1,4-dichlorobenzene	----------NA----------	
114	1,2-dichlorobenzene	----------NA----------	
115	n-butylbenzene	----------NA----------	
116	1,2-dibromo-3-chloropropa	----------NA----------	
117	1,3,5-trichlorobenzene	----------NA----------	
118	1,2,4-trichlorobenzene	----------NA----------	
119	hexachlorobutadiene	----------NA----------	
120	naphthalene	----------NA----------	
121	1,2,3-trichlorobenzene	----------NA----------	
122	hexachloroethane	----------NA----------	
	---------- True	Calc.	% Drift ----------
123	2-methylnaphthalene	----------NA----------	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221588.D M2A9632.M Fri Nov 11 17:41:25 2022 MS2A

Initial Calibration Summary

Job Number: JD55285 **Sample:** V2A9634-ICC9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221632.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMS2A

Method : C:\MSDCHEM\1\METHODS\M2A9634.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Nov 11 09:12:37 2022
Last Update : Fri Nov 11 09:12:37 2022
Response via : Initial Calibration

Calibration Files
4 =2A221629.D 8 =2A221630.D 50 =2A221632.D 100 =2A221633.D
1 =2A221627.D 20 =2A221631.D 2 =2A221628.D =
= =

Compound	4	8	50	100	1	20	2	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------									
2) ethanol								0.000	-1.00
3) tertiary butyl alcohol								0.000	-1.00
4) 1,4-dioxane								0.000	-1.00
5) I pentafluorobenzene ----------ISTD----------									
6) chlorodifluoromethane								0.000	-1.00
7) dichlorodifluoromethane								0.000	-1.00
8) chloromethane								0.000	-1.00
9) vinyl chloride								0.000	-1.00
10) 1,3-butadiene								0.000	-1.00
11) bromomethane								0.000	-1.00
12) chloroethane								0.000	-1.00
13) trichlorofluoromethane								0.000	-1.00
14) ethyl ether								0.000	-1.00
15) acrolein								0.000	-1.00
16) freon 113								0.000	-1.00
17) 1,1-dichloroethene								0.000	-1.00
18) acetone								0.000	-1.00
19) acetonitrile								0.000	-1.00
20) iodomethane								0.000	-1.00
21) carbon disulfide								0.000	-1.00
22) methylene chloride								0.000	-1.00
23) methyl acetate									

		0.000	-1.00
24)	methyl tert butyl ether		
		0.000	-1.00
25)	trans-1,2-dichloroethene		
		0.000	-1.00
26)	hexane		
		0.000	-1.00
27)	di-isopropyl ether		
		0.000	-1.00
28)	ethyl tert-butyl ether		
		0.000	-1.00
29)	2-butanone		
		0.000	-1.00
30)	1,1-dichloroethane		
		0.000	-1.00
31)	chloroprene		
		0.000	-1.00
32)	acrylonitrile		
		0.000	-1.00
33)	vinyl acetate		
		0.000	-1.00
34)	ethyl acetate		
		0.000	-1.00
35)	2,2-dichloropropane		
		0.000	-1.00
36)	cis-1,2-dichloroethene		
		0.000	-1.00
37)	propionitrile		
		0.000	-1.00
38)	bromochloromethane		
		0.000	-1.00
39)	tetrahydrofuran		
		0.000	-1.00
40)	chloroform		
		0.000	-1.00
41)	tert-butyl formate		
		0.000	-1.00
42)	isobutyl alcohol		
		0.000	-1.00
43)	dibromofluoromethane (s)		
	0.451 0.443 0.451 0.455 0.450 0.452 0.450	0.450	0.80
44)	methacrylonitrile		
		0.000	-1.00
45)	1,1,1-trichloroethane		
		0.000	-1.00
46)	cyclohexane		
		0.000	-1.00
47)	1,1-dichloropropene		
		0.000	-1.00
48)	tert-amyl alcohol		
		0.000	-1.00
49)	carbon tetrachloride		
		0.000	-1.00
50)	I 1,4-difluorobenzene ----------ISTD----------		
51)	1,2-dichloroethane-d4 (s)		
	0.432 0.430 0.429 0.431 0.427 0.425 0.426	0.429	0.63
52)	2,2,4-trimethylpentane		
		0.000	-1.00
53)	tert-amyl methyl ether		

		0.000	-1.00
54)	n-butyl alcohol		
		0.000	-1.00
55)	benzene		
		0.000	-1.00
56)	heptane		
		0.000	-1.00
57)	isopropyl acetate		
		0.000	-1.00
58)	1,2-dichloroethane		
		0.000	-1.00
59)	trichloroethene		
		0.000	-1.00
60)	ethyl acrylate		
		0.000	-1.00
61)	2-nitropropane		
		0.000	-1.00
62)	2-chloroethyl vinyl ether		
		0.000	-1.00
63)	methyl methacrylate		
		0.000	-1.00
64)	1,2-dichloropropane		
		0.000	-1.00
65)	methylcyclohexane		
		0.000	-1.00
66)	dibromomethane		
		0.000	-1.00
67)	bromodichloromethane		
		0.000	-1.00
68)	epichlorohydrin		
		0.000	-1.00
69)	cis-1,3-dichloropropene		
		0.000	-1.00
70)	4-methyl-2-pentanone		
		0.000	-1.00
71)	3-methyl-1-butanol		
		0.000	-1.00
72)	I chlorobenzene-d5 ----------ISTD----------		
73)	toluene-d8 (s)		
	1.241 1.242 1.256 1.236 1.236 1.245 1.244	1.243	0.53
74)	toluene		
		0.000	-1.00
75)	trans-1,3-dichloropropene		
		0.000	-1.00
76)	ethyl methacrylate		
		0.000	-1.00
77)	1,1,2-trichloroethane		
		0.000	-1.00
78)	2-hexanone		
		0.000	-1.00
79)	tetrachloroethene		
		0.000	-1.00
80)	1,3-dichloropropane		
		0.000	-1.00
81)	butyl acetate		
		0.000	-1.00
82)	dibromochloromethane		
		0.000	-1.00
83)	1,2-dibromoethane		

		0.000	-1.00
84)	n-butyl ether		
		0.000	-1.00
85)	chlorobenzene		
		0.000	-1.00
86)	1,1,1,2-tetrachloroethane		
		0.000	-1.00
87)	ethylbenzene		
		0.000	-1.00
88)	m,p-xylene		
		0.000	-1.00
89)	o-xylene		
		0.000	-1.00
90)	styrene		
		0.000	-1.00
91)	n-amyl acetate		
		0.000	-1.00
92)	bromoform		
		0.000	-1.00
93)	butyl acrylate		
		0.000	-1.00
94)	isopropylbenzene		
		0.000	-1.00
95)	cis-1,4-dichloro-2-butene		
		0.000	-1.00
96)	I 1,4-dichlorobenzene-d ----------ISTD----------		
97)	4-bromofluorobenzene (s)		
	1.015 1.013 1.004 1.007 1.021 1.010 0.991	1.009	0.95
98)	bromobenzene		
		0.000	-1.00
99)	1,1,2,2-tetrachloroethane		
		0.000	-1.00
100)	trans-1,4-dichloro-2-butene		
		0.000	-1.00
101)	1,2,3-trichloropropane		
		0.000	-1.00
102)	n-propylbenzene		
		0.000	-1.00
103)	2-chlorotoluene		
		0.000	-1.00
104)	4-chlorotoluene		
		0.000	-1.00
105)	1,3,5-trimethylbenzene		
		0.000	-1.00
106)	tert-butylbenzene		
		0.000	-1.00
107)	1,2,4-trimethylbenzene		
		0.000	-1.00
108)	sec-butylbenzene		
		0.000	-1.00
109)	1,3-dichlorobenzene		
		0.000	-1.00
110)	p-isopropyltoluene		
		0.000	-1.00
111)	benzyl chloride		
		0.000	-1.00
112)	1,2,3-trimethylbenzene		
		0.000	-1.00
113)	1,4-dichlorobenzene		

```
                                                                    0.000   -1.00
114)  1,2-dichlorobenzene
                                                                    0.000   -1.00
115)  n-butylbenzene
                                                                    0.000   -1.00
116)  1,2-dibromo-3-chloropropane
                                                                    0.000   -1.00
117)  1,3,5-trichlorobenzene
                                                                    0.000   -1.00
118)  1,2,4-trichlorobenzene
                                                                    0.000   -1.00
119)  hexachlorobutadiene
                                                                    0.000   -1.00
120)  naphthalene
                                                                    0.000   -1.00
121)  1,2,3-trichlorobenzene
                                                                    0.000   -1.00
122)  hexachloroethane
                                                                    0.000   -1.00
123)  2-methylnaphthalene
                                                                    0.000   -1.00
             ----- Linear regression -----  Coefficient =  0.0000
               Response Ratio = 0.00000 + 0.00000 *A


124)     pentafluorobenzene(a) ----------------ISTD----------------------
125)  Freon 142B
            0.368 0.401 0.523 0.556       0.476                     0.465   17.11
126)  Freon 141B
            0.472 0.469 0.515 0.535 0.474 0.501 0.449               0.488    6.16

127)     1,4-dichlorobenzene-d ----------------ISTD----------------------
128)  indane
            2.016 1.949 2.121 2.020 2.250 2.006 1.958               2.046    5.19
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2A9634.M         Fri Nov 11 17:45:50 2022   MS2A
```

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9634-ICV9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221634.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2A9633\2A221634.D Vial: 36
Acq On : 10 Nov 2022 8:58 am Operator: nicoleh
Sample : ICV9634-50 Inst : GCMS2A
Misc : MS63840,V2A9634,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9634.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Nov 11 09:12:37 2022
Last Update : Fri Nov 11 09:12:37 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	7.25
2	ethanol		----------NA----------				
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	98	0.00	9.51
6	chlorodifluoromethane		----------NA----------				
7	dichlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile		----------NA----------				
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile		----------NA----------				
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				
38	bromochloromethane		----------NA----------				
39	tetrahydrofuran		----------NA----------				
40	chloroform		----------NA----------				
41	tert-butyl formate		----------NA----------				

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9634-ICV9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221634.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.450	0.453	-0.7	98	0.00	9.54	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	10.43	
51	S	1,2-dichloroethane-d4 (s)	0.429	0.430	-0.2	100	0.00	9.96	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	13.56	
73	S	toluene-d8 (s)	1.243	1.239	0.3	99	0.00	12.06	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		n-amyl acetate		----------NA----------					
92		bromoform		----------NA----------					
93		butyl acrylate		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	15.89	
97	S	4-bromofluorobenzene (s)	1.009	1.000	0.9	98	0.00	14.72	
98		bromobenzene		----------NA----------					

Initial Calibration Verification

Job Number: JD55285 **Sample:** V2A9634-ICV9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221634.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	----------NA----------						
100	trans-1,4-dichloro-2-bute	----------NA----------						
101	1,2,3-trichloropropane	----------NA----------						
102	n-propylbenzene	----------NA----------						
103	2-chlorotoluene	----------NA----------						
104	4-chlorotoluene	----------NA----------						
105	1,3,5-trimethylbenzene	----------NA----------						
106	tert-butylbenzene	----------NA----------						
107	1,2,4-trimethylbenzene	----------NA----------						
108	sec-butylbenzene	----------NA----------						
109	1,3-dichlorobenzene	----------NA----------						
110	p-isopropyltoluene	----------NA----------						
111	benzyl chloride	----------NA----------						
112	1,2,3-trimethylbenzene	----------NA----------						
113	1,4-dichlorobenzene	----------NA----------						
114	1,2-dichlorobenzene	----------NA----------						
115	n-butylbenzene	----------NA----------						
116	1,2-dibromo-3-chloropropa	----------NA----------						
117	1,3,5-trichlorobenzene	----------NA----------						
118	1,2,4-trichlorobenzene	----------NA----------						
119	hexachlorobutadiene	----------NA----------						
120	naphthalene	----------NA----------						
121	1,2,3-trichlorobenzene	----------NA----------						
122	hexachloroethane	----------NA----------						
	---------- True	Calc.	% Drift	----------				
123	2-methylnaphthalene	----------NA----------						
	---------- AvgRF	CCRF	% Dev	----------				
124	pentafluorobenzene(a)	1.000	1.000	0.0	98	0.00	9.51	
125	Freon 142B	0.465	0.550	-18.3	103	0.00	4.27	
126	Freon 141B	0.488	0.528	-8.2	100	0.00	6.22	
127	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	98	0.00	15.89	
128	indane	2.046	2.222	-8.6	103	0.00	16.14	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221632.D M2A9634.M Fri Nov 11 17:45:32 2022 MS2A

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9637-CC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221695.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\lo...15\v2a9637\2a221695.d Vial: 22
Acq On : 11 Nov 2022 10:01 pm Operator: nicoleh
Sample : cc9632-50 Inst : GCMS2A
Misc : MS63825,V2A9637,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9632.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Mon Nov 14 17:00:02 2022
Last Update : Mon Sep 13 11:48:20 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	114	0.00	7.25
2	ethanol	0.115	0.118	-2.6	111	0.01	5.98
3	tertiary butyl alcohol	1.288	1.285	0.2	119	0.00	7.36
4	1,4-dioxane	0.074	0.074	0.0	113	0.00	11.08
5 I	pentafluorobenzene	1.000	1.000	0.0	110	0.00	9.51
6	chlorodifluoromethane	0.663	0.580	12.5	100	0.00	3.99
7	dichlorodifluoromethane	0.516	0.563	-9.1	112	0.00	3.96
8	chloromethane	0.779	0.775	0.5	110	0.00	4.35
9	vinyl chloride	0.536	0.560	-4.5	109	0.00	4.57
10	1,3-butadiene	0.403	0.383	5.0	105	0.00	4.62
11	bromomethane	0.317	0.323	-1.9	112	0.01	5.20
12	chloroethane	0.282	0.293	-3.9	110	0.01	5.36
13	trichlorofluoromethane	0.618	0.626	-1.3	104	0.00	5.79
14	ethyl ether	0.215	0.215	0.0	106	0.00	6.19
15	acrolein	0.097	0.099	-2.1	100	0.01	6.42
16	freon 113	0.301	0.285	5.3	106	0.00	6.61
17	1,1-dichloroethene	0.320	0.291	9.1	105	0.00	6.60
18	acetone	0.067	0.047	29.9#	94	0.02	6.61
19	acetonitrile	0.081	0.079	2.5	104	0.00	7.01
20	iodomethane	0.643	0.623	3.1	105	0.00	6.84
21	carbon disulfide	1.173	1.029	12.3	103	0.00	6.98
22	methylene chloride	0.379	0.353	6.9	104	0.00	7.30
23	methyl acetate	0.070	0.068	2.9	105	0.01	7.06
24	methyl tert butyl ether	1.151	1.114	3.2	105	0.00	7.65
25	trans-1,2-dichloroethene	0.364	0.344	5.5	106	0.00	7.69
26	hexane	0.727	0.688	5.4	103	0.00	8.04
27	di-isopropyl ether	1.889	1.799	4.8	103	0.00	8.25
28	ethyl tert-butyl ether	1.506	1.452	3.6	104	0.00	8.71
29	2-butanone	0.057	0.050	12.3	105	0.00	8.90
30	1,1-dichloroethane	0.778	0.745	4.2	106	0.00	8.26
31	chloroprene	0.725	0.715	1.4	106	0.00	8.36
32	acrylonitrile	0.202	0.210	-4.0	104	0.00	7.59
33	vinyl acetate	0.080	0.073	8.8	92	0.00	8.19
34	ethyl acetate	0.105	0.100	4.8	106	0.00	8.92
35	2,2-dichloropropane	0.578	0.524	9.3	103	0.00	9.00
36	cis-1,2-dichloroethene	0.406	0.389	4.2	106	0.00	8.97
37	propionitrile	0.080	0.082	-2.5	107	0.00	8.98
38	bromochloromethane	0.269	0.271	-0.7	107	0.00	9.26
39	tetrahydrofuran	0.212	0.197	7.1	105	0.00	9.29
40	chloroform	0.705	0.669	5.1	107	0.00	9.35
41	tert-butyl formate	0.296	0.270	8.8	91	0.00	9.38

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9637-CC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221695.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol	0.033	0.033	0.0	103	0.00	9.75
43	S	dibromofluoromethane (s)	0.447	0.447	0.0	110	0.00	9.54
44		methacrylonitrile	0.181	0.181	0.0	108	0.00	9.18
45		1,1,1-trichloroethane	0.596	0.593	0.5	106	0.00	9.60
46		cyclohexane	0.539	0.531	1.5	103	0.00	9.72
47		1,1-dichloropropene	0.518	0.500	3.5	106	0.00	9.77
48		tert-amyl alcohol	0.030	0.029	3.3	114	0.00	9.91
49		carbon tetrachloride	0.572	0.556	2.8	106	0.00	9.80
50	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.43
51	S	1,2-dichloroethane-d4 (s)	0.417	0.417	0.0	110	0.00	9.96
52		2,2,4-trimethylpentane	1.280	1.256	1.9	106	0.00	10.12
53		tert-amyl methyl ether	0.921	0.888	3.6	103	0.00	10.10
54		n-butyl alcohol	0.013	0.014	-7.7	114	0.00	10.50
55		benzene	1.061	1.036	2.4	105	0.00	10.02
56		heptane	0.274	0.267	2.6	105	0.00	10.28
57		isopropyl acetate	0.069	0.074	-7.2	108	0.00	9.94
58		1,2-dichloroethane	0.476	0.461	3.2	106	0.00	10.05
59		trichloroethene	0.290	0.295	-1.7	112	0.00	10.75
60		ethyl acrylate	0.544	0.566	-4.0	107	0.00	10.74
61		2-nitropropane	0.116	0.107	7.8	98	0.00	11.50
62		2-chloroethyl vinyl ether	0.072	0.112	-55.6#	115	0.00	11.53
63		methyl methacrylate	0.081	0.086	-6.2	107	0.00	11.00
64		1,2-dichloropropane	0.343	0.333	2.9	106	0.00	11.04
65		methylcyclohexane	0.461	0.450	2.4	107	0.00	11.04
66		dibromomethane	0.192	0.194	-1.0	106	0.00	11.14
67		bromodichloromethane	0.398	0.403	-1.3	107	0.00	11.29
68		epichlorohydrin	0.040	0.042	-5.0	106	0.00	11.62
69		cis-1,3-dichloropropene	0.478	0.484	-1.3	107	0.00	11.75
70		4-methyl-2-pentanone	0.160	0.160	0.0	108	0.00	11.86
71		3-methyl-1-butanol	0.009	0.010	-11.1	115	0.00	11.86
72	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	13.56
73	S	toluene-d8 (s)	1.237	1.229	0.6	108	0.00	12.06
74		toluene	0.732	0.715	2.3	105	0.00	12.13
75		trans-1,3-dichloropropene	0.502	0.502	0.0	106	0.00	12.32
76		ethyl methacrylate	0.438	0.454	-3.7	109	0.00	12.32
77		1,1,2-trichloroethane	0.254	0.245	3.5	106	0.00	12.54
78		2-hexanone	0.179	0.175	2.2	110	0.00	12.71
79		tetrachloroethene	0.381	0.367	3.7	112	0.00	12.69
80		1,3-dichloropropane	0.488	0.480	1.6	109	0.00	12.72
81		butyl acetate	0.301	0.301	0.0	107	0.00	12.79
82		dibromochloromethane	0.374	0.385	-2.9	108	0.00	12.96
83		1,2-dibromoethane	0.319	0.325	-1.9	107	0.00	13.11
84		n-butyl ether	1.540	1.545	-0.3	107	0.00	13.56
85		chlorobenzene	0.807	0.804	0.4	108	0.00	13.59
86		1,1,1,2-tetrachloroethane	0.322	0.325	-0.9	106	0.00	13.66
87		ethylbenzene	1.331	1.302	2.2	107	0.00	13.66
88		m,p-xylene	0.515	0.513	0.4	107	0.00	13.78
89		o-xylene	1.086	1.058	2.6	108	0.00	14.18
90		styrene	0.823	0.865	-5.1	108	0.00	14.19
91		n-amyl acetate	0.222	0.235	-5.9	111	0.00	14.22
92		bromoform	0.264	0.278	-5.3	108	0.00	14.41
93		butyl acrylate	0.842	0.908	-7.8	108	0.00	14.01
94		isopropylbenzene	1.302	1.283	1.5	107	0.00	14.52
95		cis-1,4-dichloro-2-butene	0.137	0.141	-2.9	100	0.00	14.56
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	15.89
97	S	4-bromofluorobenzene (s)	0.988	0.976	1.2	110	0.00	14.72
98		bromobenzene	0.774	0.755	2.5	110	0.00	14.90

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9637-CC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221695.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	0.831	0.791	4.8	106	0.00	14.80
100	trans-1,4-dichloro-2-bute	0.252	0.259	-2.8	100	0.00	14.83
101	1,2,3-trichloropropane	0.219	0.219	0.0	112	0.00	14.88
102	n-propylbenzene	3.219	3.100	3.7	107	0.00	14.94
103	2-chlorotoluene	0.700	0.690	1.4	108	0.00	15.07
104	4-chlorotoluene	2.036	1.980	2.8	108	0.00	15.18
105	1,3,5-trimethylbenzene	2.232	2.175	2.6	107	0.00	15.09
106	tert-butylbenzene	1.945	1.893	2.7	107	0.00	15.43
107	1,2,4-trimethylbenzene	2.250	2.206	2.0	107	0.00	15.48
108	sec-butylbenzene	2.792	2.705	3.1	107	0.00	15.65
109	1,3-dichlorobenzene	1.401	1.347	3.9	108	0.00	15.82
110	p-isopropyltoluene	2.397	2.358	1.6	108	0.00	15.78
111	benzyl chloride	1.323	1.374	-3.9	102	0.00	16.00
112	1,2,3-trimethylbenzene	2.329	2.299	1.3	108	0.00	15.91
113	1,4-dichlorobenzene	1.396	1.358	2.7	108	0.00	15.91
114	1,2-dichlorobenzene	1.360	1.311	3.6	107	0.00	16.28
115	n-butylbenzene	1.179	1.196	-1.4	108	0.00	16.20
116	1,2-dibromo-3-chloropropa	0.168	0.175	-4.2	111	0.00	17.05
117	1,3,5-trichlorobenzene	0.999	1.037	-3.8	109	0.00	17.24
118	1,2,4-trichlorobenzene	0.821	0.918	-11.8	114	0.00	17.88
119	hexachlorobutadiene	0.460	0.459	0.2	114	0.00	18.00
120	naphthalene	1.576	1.862	-18.1	116	0.00	18.17
121	1,2,3-trichlorobenzene	0.649	0.776	-19.6	122	0.00	18.40
122	hexachloroethane	0.333	0.344	-3.3	103	0.00	16.57

		True	Calc.	% Drift			
123	2-methylnaphthalene	25.000	28.217	-12.9	132	0.00	19.40

		AvgRF	CCRF	% Dev			
124	pentafluorobenzene(a)	1.000	1.000	0.0	121	0.00	9.51
125	Freon 142B		----------NA----------				
126	Freon 141B		----------NA----------				
127	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	129	0.00	15.89
128	indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221588.D M2A9632.M Tue Nov 15 08:46:23 2022

6.7.7

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9641-CC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221768.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\lu...22\v2a9641\2a221768.d Vial: 1
Acq On : 14 Nov 2022 11:55 am Operator: nicoleh
Sample : CC9632-20 Inst : GCMS2A
Misc : MS64024,V2A9641,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9632.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Mon Nov 14 17:00:02 2022
Last Update : Mon Sep 13 11:48:20 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	76	0.00	7.25
2	ethanol	0.115	0.118	-2.6	85	0.00	5.97
3	tertiary butyl alcohol	1.288	1.282	0.5	85	0.00	7.36
4	1,4-dioxane	0.074	0.073	1.4	77	0.00	11.08
5 I	pentafluorobenzene	1.000	1.000	0.0	80	0.00	9.51
6	chlorodifluoromethane	0.663	0.749	-13.0	99	0.00	3.98
7	dichlorodifluoromethane	0.516	0.548	-6.2	80	0.00	3.95
8	chloromethane	0.779	0.727	6.7	73	0.00	4.34
9	vinyl chloride	0.536	0.512	4.5	72	0.00	4.57
10	1,3-butadiene	0.403	0.428	-6.2	87	0.00	4.61
11	bromomethane	0.317	0.290	8.5	73	0.00	5.19
12	chloroethane	0.282	0.254	9.9	69	0.00	5.35
13	trichlorofluoromethane	0.618	0.599	3.1	74	-0.02	5.77
14	ethyl ether	0.215	0.202	6.0	82	0.00	6.19
15	acrolein	0.097	0.089	8.2	70	0.01	6.42
16	freon 113	0.301	0.296	1.7	86	0.00	6.61
17	1,1-dichloroethene	0.320	0.304	5.0	85	0.00	6.60
18	acetone	0.067	0.055	17.9	89	0.01	6.61
19	acetonitrile	0.081	0.085	-4.9	88	0.00	7.02
20	iodomethane	0.643	0.643	0.0	86	0.00	6.84
21	carbon disulfide	1.173	1.140	2.8	88	0.00	6.98
22	methylene chloride	0.379	0.360	5.0	85	0.00	7.29
23	methyl acetate	0.070	0.066	5.7	84	0.01	7.06
24	methyl tert butyl ether	1.151	1.087	5.6	80	0.00	7.65
25	trans-1,2-dichloroethene	0.364	0.344	5.5	85	0.00	7.68
26	hexane	0.727	0.711	2.2	86	0.00	8.04
27	di-isopropyl ether	1.889	1.931	-2.2	86	0.00	8.25
28	ethyl tert-butyl ether	1.506	1.485	1.4	83	0.00	8.70
29	2-butanone	0.057	0.053	7.0	87	0.00	8.90
30	1,1-dichloroethane	0.778	0.747	4.0	83	0.00	8.25
31	chloroprene	0.725	0.725	0.0	85	0.00	8.36
32	acrylonitrile	0.202	0.181	10.4	71	0.00	7.59
33	vinyl acetate	0.080	0.080	0.0	79	0.00	8.20
34	ethyl acetate	0.105	0.106	-1.0	86	0.00	8.92
35	2,2-dichloropropane	0.578	0.574	0.7	87	0.00	9.00
36	cis-1,2-dichloroethene	0.406	0.400	1.5	87	0.00	8.97
37	propionitrile	0.080	0.085	-6.3	87	0.00	8.98
38	bromochloromethane	0.269	0.278	-3.3	89	0.01	9.26
39	tetrahydrofuran	0.212	0.216	-1.9	90	0.00	9.29
40	chloroform	0.705	0.692	1.8	89	0.00	9.34
41	tert-butyl formate	0.296	0.310	-4.7	86	0.00	9.38

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9641-CC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221768.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol	0.033	0.036	-9.1	108	0.00	9.75
43	S	dibromofluoromethane (s)	0.447	0.457	-2.2	82	0.00	9.54
44		methacrylonitrile	0.181	0.188	-3.9	87	0.00	9.17
45		1,1,1-trichloroethane	0.596	0.603	-1.2	87	0.00	9.61
46		cyclohexane	0.539	0.477	11.5	68	0.00	9.72
47		1,1-dichloropropene	0.518	0.503	2.9	84	0.00	9.78
48		tert-amyl alcohol	0.030	0.028	6.7	78	0.00	9.91
49		carbon tetrachloride	0.572	0.571	0.2	87	0.00	9.80
50	I	1,4-difluorobenzene	1.000	1.000	0.0	82	0.00	10.43
51	S	1,2-dichloroethane-d4 (s)	0.417	0.420	-0.7	82	0.00	9.95
52		2,2,4-trimethylpentane	1.280	1.276	0.3	86	0.00	10.11
53		tert-amyl methyl ether	0.921	0.900	2.3	86	0.00	10.10
54		n-butyl alcohol	0.013	0.013	0.0	83	0.00	10.50
55		benzene	1.061	1.050	1.0	86	0.00	10.02
56		heptane	0.274	0.258	5.8	86	0.00	10.28
57		isopropyl acetate	0.069	0.072	-4.3	90	0.00	9.94
58		1,2-dichloroethane	0.476	0.465	2.3	89	0.00	10.05
59		trichloroethene	0.290	0.278	4.1	87	0.00	10.75
60		ethyl acrylate	0.544	0.565	-3.9	87	0.00	10.74
61		2-nitropropane	0.116	0.113	2.6	87	0.00	11.50
62		2-chloroethyl vinyl ether	0.072	0.067	6.9	82	0.00	11.53
63		methyl methacrylate	0.081	0.081	0.0	83	0.00	11.01
64		1,2-dichloropropane	0.343	0.336	2.0	88	0.00	11.03
65		methylcyclohexane	0.461	0.443	3.9	86	0.00	11.04
66		dibromomethane	0.192	0.195	-1.6	87	0.00	11.14
67		bromodichloromethane	0.398	0.406	-2.0	89	0.00	11.29
68		epichlorohydrin	0.040	0.040	0.0	87	0.00	11.62
69		cis-1,3-dichloropropene	0.478	0.489	-2.3	88	0.00	11.75
70		4-methyl-2-pentanone	0.160	0.160	0.0	85	0.00	11.86
71		3-methyl-1-butanol	0.009	0.009	0.0	87	0.00	11.86
72	I	chlorobenzene-d5	1.000	1.000	0.0	83	0.00	13.56
73	S	toluene-d8 (s)	1.237	1.221	1.3	82	0.00	12.06
74		toluene	0.732	0.712	2.7	87	0.00	12.13
75		trans-1,3-dichloropropene	0.502	0.508	-1.2	89	0.00	12.32
76		ethyl methacrylate	0.438	0.439	-0.2	85	0.00	12.32
77		1,1,2-trichloroethane	0.254	0.255	-0.4	91	0.00	12.54
78		2-hexanone	0.179	0.178	0.6	88	0.00	12.70
79		tetrachloroethene	0.381	0.359	5.8	86	0.00	12.69
80		1,3-dichloropropane	0.488	0.476	2.5	88	0.00	12.72
81		butyl acetate	0.301	0.298	1.0	86	0.00	12.79
82		dibromochloromethane	0.374	0.392	-4.8	91	0.00	12.96
83		1,2-dibromoethane	0.319	0.329	-3.1	90	0.00	13.11
84		n-butyl ether	1.540	1.550	-0.6	85	0.00	13.56
85		chlorobenzene	0.807	0.805	0.2	88	0.00	13.60
86		1,1,1,2-tetrachloroethane	0.322	0.327	-1.6	89	0.00	13.66
87		ethylbenzene	1.331	1.334	-0.2	88	0.00	13.66
88		m,p-xylene	0.515	0.511	0.8	88	0.00	13.78
89		o-xylene	1.086	1.084	0.2	88	0.00	14.18
90		styrene	0.823	0.865	-5.1	88	0.00	14.19
91		n-amyl acetate	0.222	0.222	0.0	87	0.00	14.22
92		bromoform	0.264	0.280	-6.1	91	0.00	14.41
93		butyl acrylate	0.842	0.909	-8.0	87	0.00	14.01
94		isopropylbenzene	1.302	1.309	-0.5	87	0.00	14.52
95		cis-1,4-dichloro-2-butene	0.137	0.162	-18.2	110	0.00	14.56
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	86	0.00	15.89
97	S	4-bromofluorobenzene (s)	0.988	0.935	5.4	82	0.00	14.72
98		bromobenzene	0.774	0.756	2.3	90	0.00	14.90

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9641-CC9632
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221768.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	0.831	0.834	-0.4	91	0.00	14.80
100	trans-1,4-dichloro-2-bute	0.252	0.279	-10.7	104	0.00	14.84
101	1,2,3-trichloropropane	0.219	0.223	-1.8	91	0.00	14.88
102	n-propylbenzene	3.219	3.159	1.9	89	0.00	14.94
103	2-chlorotoluene	0.700	0.668	4.6	89	0.00	15.07
104	4-chlorotoluene	2.036	1.954	4.0	88	0.00	15.18
105	1,3,5-trimethylbenzene	2.232	2.192	1.8	89	0.00	15.09
106	tert-butylbenzene	1.945	1.890	2.8	87	0.00	15.43
107	1,2,4-trimethylbenzene	2.250	2.232	0.8	88	0.00	15.48
108	sec-butylbenzene	2.792	2.792	0.0	90	0.00	15.65
109	1,3-dichlorobenzene	1.401	1.382	1.4	93	0.00	15.82
110	p-isopropyltoluene	2.397	2.382	0.6	90	0.00	15.78
111	benzyl chloride	1.323	1.523	-15.1	99	0.00	16.00
112	1,2,3-trimethylbenzene	2.329	2.339	-0.4	89	0.00	15.91
113	1,4-dichlorobenzene	1.396	1.379	1.2	93	0.00	15.91
114	1,2-dichlorobenzene	1.360	1.359	0.1	92	0.00	16.28
115	n-butylbenzene	1.179	1.209	-2.5	90	0.00	16.20
116	1,2-dibromo-3-chloropropa	0.168	0.191	-13.7	103	0.00	17.04
117	1,3,5-trichlorobenzene	0.999	1.047	-4.8	93	0.00	17.24
118	1,2,4-trichlorobenzene	0.821	0.925	-12.7	100	0.00	17.88
119	hexachlorobutadiene	0.460	0.462	-0.4	97	0.00	18.00
120	naphthalene	1.576	2.024	-28.4#	108	0.00	18.17
121	1,2,3-trichlorobenzene	0.649	0.806	-24.2#	109	0.00	18.39
122	hexachloroethane	0.333	0.347	-4.2	94	0.00	16.57
	----------	True	Calc.	% Drift	----------		
123	2-methylnaphthalene	10.000	16.224	-62.2#	187	0.00	19.40
	----------	AvgRF	CCRF	% Dev	----------		
124	pentafluorobenzene(a)	1.000	1.000	0.0	87	0.00	9.51
125	Freon 142B		----------NA----------				
126	Freon 141B		----------NA----------				
127	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	97	0.00	15.89
128	indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221587.D M2A9632.M Mon Nov 14 22:53:13 2022

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9641-CC9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221769.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\lu...22\v2a9641\2a221769.d Vial: 2
Acq On : 14 Nov 2022 12:30 pm Operator: nicoleh
Sample : cc9634-20 Inst : GCMS2A
Misc : MS64024,V2A9641,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9634.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Nov 11 09:12:37 2022
Last Update : Mon Sep 13 11:48:20 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	95	0.00	7.25
2	ethanol		----------NA----------				
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	93	0.00	9.51
6	chlorodifluoromethane		----------NA----------				
7	dichlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile		----------NA----------				
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile		----------NA----------				
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				
38	bromochloromethane		----------NA----------				
39	tetrahydrofuran		----------NA----------				
40	chloroform		----------NA----------				
41	tert-butyl formate		----------NA----------				

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9641-CC9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221769.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.450	0.460	-2.2	94	0.00	9.54	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	93	0.00	10.44	
51	S	1,2-dichloroethane-d4 (s)	0.429	0.425	0.9	93	0.00	9.96	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00	13.56	
73	S	toluene-d8 (s)	1.243	1.237	0.5	93	0.00	12.06	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		n-amyl acetate		----------NA----------					
92		bromoform		----------NA----------					
93		butyl acrylate		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	15.89	
97	S	4-bromofluorobenzene (s)	1.009	0.947	6.1	92	0.00	14.72	
98		bromobenzene		----------NA----------					

Continuing Calibration Summary

Job Number: JD55285 **Sample:** V2A9641-CC9634
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221769.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	----------NA----------						
100	trans-1,4-dichloro-2-bute	----------NA----------						
101	1,2,3-trichloropropane	----------NA----------						
102	n-propylbenzene	----------NA----------						
103	2-chlorotoluene	----------NA----------						
104	4-chlorotoluene	----------NA----------						
105	1,3,5-trimethylbenzene	----------NA----------						
106	tert-butylbenzene	----------NA----------						
107	1,2,4-trimethylbenzene	----------NA----------						
108	sec-butylbenzene	----------NA----------						
109	1,3-dichlorobenzene	----------NA----------						
110	p-isopropyltoluene	----------NA----------						
111	benzyl chloride	----------NA----------						
112	1,2,3-trimethylbenzene	----------NA----------						
113	1,4-dichlorobenzene	----------NA----------						
114	1,2-dichlorobenzene	----------NA----------						
115	n-butylbenzene	----------NA----------						
116	1,2-dibromo-3-chloropropa	----------NA----------						
117	1,3,5-trichlorobenzene	----------NA----------						
118	1,2,4-trichlorobenzene	----------NA----------						
119	hexachlorobutadiene	----------NA----------						
120	naphthalene	----------NA----------						
121	1,2,3-trichlorobenzene	----------NA----------						
122	hexachloroethane	----------NA----------						
	----------	True	Calc.	% Drift	----------			
123	2-methylnaphthalene	----------NA----------						
	----------	AvgRF	CCRF	% Dev	----------			
124	pentafluorobenzene(a)	1.000	1.000	0.0	93	0.00	9.51	
125	Freon 142B	----------NA----------						
126	Freon 141B	----------NA----------						
127	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	98	0.00	15.89	
128	indane	2.046	2.130	-4.1	104	0.00	16.14	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A221631.D M2A9634.M Mon Nov 14 22:56:00 2022

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2A9632 **Method:** SW846 8260D **Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A9632-BFB	2A221580.D	11/08/22 16:21	n/a	BFB Tune
V2A9632-IC9632	2A221581.D	11/08/22 16:58	n/a	Initial cal 0.2
V2A9632-IC9632	2A221582.D	11/08/22 17:27	n/a	Initial cal 0.5
V2A9632-IC9632	2A221583.D	11/08/22 17:56	n/a	Initial cal 1
V2A9632-IC9632	2A221584.D	11/08/22 18:24	n/a	Initial cal 2
V2A9632-IC9632	2A221585.D	11/08/22 18:53	n/a	Initial cal 4
V2A9632-IC9632	2A221586.D	11/08/22 19:21	n/a	Initial cal 8
V2A9632-IC9632	2A221587.D	11/08/22 19:50	n/a	Initial cal 20
V2A9632-ICC9632	2A221588.D	11/08/22 20:18	n/a	Initial cal 50
V2A9632-IC9632	2A221589.D	11/08/22 20:46	n/a	Initial cal 100
V2A9632-IC9632	2A221590.D	11/08/22 21:14	n/a	Initial cal 200
V2A9632-ICV9632	2A221593.D	11/08/22 22:38	n/a	Initial cal verification 50
V2A9632-ICV9632	2A221594.D	11/08/22 23:06	n/a	Initial cal verification 50
V2A9632-BFB2	2A221597.D	11/09/22 13:03	n/a	BFB Tune
V2A9632-ICV9632	2A221598.D	11/09/22 13:32	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2A9634 **Method:** SW846 8260D **Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A9634-BFB	2A221626.D	11/10/22 05:13	n/a	BFB Tune
V2A9634-IC9634	2A221627.D	11/10/22 05:42	n/a	Initial cal 1
V2A9634-IC9634	2A221628.D	11/10/22 06:10	n/a	Initial cal 2
V2A9634-IC9634	2A221629.D	11/10/22 06:38	n/a	Initial cal 4
V2A9634-IC9634	2A221630.D	11/10/22 07:06	n/a	Initial cal 8
V2A9634-IC9634	2A221631.D	11/10/22 07:34	n/a	Initial cal 20
V2A9634-ICC9634	2A221632.D	11/10/22 08:02	n/a	Initial cal 50
V2A9634-IC9634	2A221633.D	11/10/22 08:30	n/a	Initial cal 100
V2A9634-ICV9634	2A221634.D	11/10/22 08:58	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2A9637	**Method:** SW846 8260D	**Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A9637-BFB	2A221695.D	11/11/22 22:01	n/a	BFB Tune
V2A9637-CC9632	2A221695.D	11/11/22 22:01	n/a	Continuing cal 50
V2A9637-BS	2A221697.D	11/11/22 22:59	n/a	Blank Spike
V2A9637-MB	2A221699.D	11/11/22 23:56	n/a	Method Blank
ZZZZZZ	2A221700.D	11/12/22 00:25	n/a	(unrelated sample)
JD54932-1	2A221701.D	11/12/22 00:54	n/a	(used for QC only; not part of job JD55285)
JD54932-1MS	2A221703.D	11/12/22 01:52	n/a	Matrix Spike
JD54932-1MSD	2A221704.D	11/12/22 02:20	n/a	Matrix Spike Duplicate
JD55285-2	2A221706.D	11/12/22 03:18	n/a	TRIP BLANK
ZZZZZZ	2A221707.D	11/12/22 03:46	n/a	(unrelated sample)
ZZZZZZ	2A221708.D	11/12/22 04:15	n/a	(unrelated sample)
ZZZZZZ	2A221709.D	11/12/22 04:43	n/a	(unrelated sample)
ZZZZZZ	2A221710.D	11/12/22 05:12	n/a	(unrelated sample)
ZZZZZZ	2A221711.D	11/12/22 05:41	n/a	(unrelated sample)
ZZZZZZ	2A221712.D	11/12/22 06:09	n/a	(unrelated sample)
ZZZZZZ	2A221713.D	11/12/22 06:39	n/a	(unrelated sample)
ZZZZZZ	2A221714.D	11/12/22 07:07	n/a	(unrelated sample)
ZZZZZZ	2A221715.D	11/12/22 07:35	n/a	(unrelated sample)
ZZZZZZ	2A221716.D	11/12/22 08:04	n/a	(unrelated sample)
ZZZZZZ	2A221717.D	11/12/22 08:32	n/a	(unrelated sample)
ZZZZZZ	2A221718.D	11/12/22 09:01	n/a	(unrelated sample)
JD55285-1	2A221719.D	11/12/22 09:30	n/a	MW-26(D)

Run Sequence Report

Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2A9641 **Method:** SW846 8260D **Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A9641-BFB	2A221768.D	11/14/22 11:55	n/a	BFB Tune
V2A9641-CC9632	2A221768.D	11/14/22 11:55	n/a	Continuing cal 20
V2A9641-CC9634	2A221769.D	11/14/22 12:30	n/a	Continuing cal 20
V2A9641-BS	2A221770.D	11/14/22 12:59	n/a	Blank Spike
V2A9641-MB	2A221772.D	11/14/22 13:56	n/a	Method Blank
JD55571-5	2A221773.D	11/14/22 14:24	n/a	(used for QC only; not part of job JD55285)
JD55285-1	2A221774.D	11/14/22 14:53	n/a	MW-26(D)
ZZZZZZ	2A221775.D	11/14/22 15:21	n/a	(unrelated sample)
ZZZZZZ	2A221776.D	11/14/22 15:49	n/a	(unrelated sample)
ZZZZZZ	2A221777.D	11/14/22 16:18	n/a	(unrelated sample)
ZZZZZZ	2A221778.D	11/14/22 16:46	n/a	(unrelated sample)
ZZZZZZ	2A221779.D	11/14/22 17:15	n/a	(unrelated sample)
ZZZZZZ	2A221780.D	11/14/22 17:43	n/a	(unrelated sample)
JD55571-5MS	2A221781.D	11/14/22 18:11	n/a	Matrix Spike
JD55571-5MSD	2A221782.D	11/14/22 18:39	n/a	Matrix Spike Duplicate
ZZZZZZ	2A221783.D	11/14/22 19:08	n/a	(unrelated sample)
ZZZZZZ	2A221784.D	11/14/22 19:36	n/a	(unrelated sample)
ZZZZZZ	2A221785.D	11/14/22 20:04	n/a	(unrelated sample)
ZZZZZZ	2A221786.D	11/14/22 20:33	n/a	(unrelated sample)
ZZZZZZ	2A221787.D	11/14/22 21:01	n/a	(unrelated sample)
JD55571-1	2A221788.D	11/14/22 21:29	n/a	(used for QC only; not part of job JD55285)
ZZZZZZ	2A221789.D	11/14/22 21:57	n/a	(unrelated sample)
ZZZZZZ	2A221790.D	11/14/22 22:26	n/a	(unrelated sample)

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42699-MB1	F210428.D	1	10/26/22	HL	10/25/22	OP42699	EF9279

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-15, JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42699-MB1	F210428.D	1	10/26/22	HL	10/25/22	OP42699	EF9279

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-15, JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	7.9	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	23%	10-71%

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42699-MB1	F210428.D	1	10/26/22	HL	10/25/22	OP42699	EF9279

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-15, JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	16%	10-58%
118-79-6	2,4,6-Tribromophenol	69%	22-144%
4165-60-0	Nitrobenzene-d5	58%	28-118%
321-60-8	2-Fluorobiphenyl	58%	34-116%
1718-51-0	Terphenyl-d14	73%	10-127%

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-MB1	P152192.D	1	10/26/22	KH	10/25/22	OP42633	EP7048

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-MB1	P152192.D	1	10/26/22	KH	10/25/22	OP42633	EP7048

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	61%	10-71%

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-MB1	P152192.D	1	10/26/22	KH	10/25/22	OP42633	EP7048

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	39%	10-58%
118-79-6	2,4,6-Tribromophenol	105%	22-144%
4165-60-0	Nitrobenzene-d5	98%	28-118%
321-60-8	2-Fluorobiphenyl	90%	34-116%
1718-51-0	Terphenyl-d14	120%	10-127%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42699-BS1	F210429.D	1	10/26/22	HL	10/25/22	OP42699	EF9279
OP42699-BSD	F210430.D	1	10/26/22	HL	10/25/22	OP42699	EF9279

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-15, JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	50	25.0	50	25.2	50	1	17-111/59
59-50-7	4-Chloro-3-methyl phenol	50	30.0	60	29.1	58	3	30-118/47
120-83-2	2,4-Dichlorophenol	50	30.7	61	29.7	59	3	30-119/50
105-67-9	2,4-Dimethylphenol	50	30.3	61	25.4	51	18	20-114/49
51-28-5	2,4-Dinitrophenol	100	52.8	53	48.8	49	8	11-141/72
534-52-1	4,6-Dinitro-o-cresol	50	30.9	62	30.1	60	3	30-142/51
95-48-7	2-Methylphenol	50	22.4	45	21.9	44	2	10-110/56
	3&4-Methylphenol	100	40.4	40	38.5	39	5	10-164/59
88-75-5	2-Nitrophenol	50	34.2	68	33.9	68	1	33-123/49
100-02-7	4-Nitrophenol	50	19.3	39	15.3	31	23	10-84/61
87-86-5	Pentachlorophenol	100	80.3	80	74.1	74	8	10-171/41
108-95-2	Phenol	50	12.2	24	12.2	24	0	10-85/57
58-90-2	2,3,4,6-Tetrachlorophenol	50	36.4	73	34.6	69	5	36-130/44
95-95-4	2,4,5-Trichlorophenol	50	36.0	72	33.5	67	7	38-124/44
88-06-2	2,4,6-Trichlorophenol	50	33.6	67	32.8	66	2	37-122/46
83-32-9	Acenaphthene	50	42.7	85	40.4	81	6	52-115/30
208-96-8	Acenaphthylene	50	48.3	97	46.6	93	4	30-114/31
98-86-2	Acetophenone	50	38.9	78	39.4	79	1	40-115/39
120-12-7	Anthracene	50	40.0	80	38.6	77	4	55-122/29
1912-24-9	Atrazine	50	48.4	97	46.0	92	5	54-140/33
100-52-7	Benzaldehyde	50	32.0	64	35.9	72	11	35-121/35
56-55-3	Benzo(a)anthracene	50	42.3	85	39.7	79	6	55-122/29
50-32-8	Benzo(a)pyrene	50	37.0	74	35.6	71	4	50-123/30
205-99-2	Benzo(b)fluoranthene	50	40.0	80	39.0	78	3	57-124/28
191-24-2	Benzo(g,h,i)perylene	50	39.0	78	40.9	82	5	55-125/30
207-08-9	Benzo(k)fluoranthene	50	39.1	78	40.1	80	3	53-124/28
101-55-3	4-Bromophenyl phenyl ether	50	42.2	84	40.0	80	5	55-124/29
85-68-7	Butyl benzyl phthalate	50	44.9	90	42.7	85	5	54-134/29
92-52-4	1,1'-Biphenyl	50	40.0	80	38.8	78	3	46-115/32
91-58-7	2-Chloronaphthalene	50	38.8	78	37.6	75	3	44-113/32
106-47-8	4-Chloroaniline	50	28.5	57	29.0	58	2	10-100/92
86-74-8	Carbazole	50	40.6	81	38.4	77	6	56-123/29
105-60-2	Caprolactam	50	8.7	17	9.3	19	7	10-85/35
218-01-9	Chrysene	50	39.3	79	37.2	74	5	54-122/29
111-91-1	bis(2-Chloroethoxy)methane	50	36.8	74	36.0	72	2	39-116/36
111-44-4	bis(2-Chloroethyl)ether	50	33.1	66	34.3	69	4	31-118/45

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42699-BS1	F210429.D	1	10/26/22	HL	10/25/22	OP42699	EF9279
OP42699-BSD	F210430.D	1	10/26/22	HL	10/25/22	OP42699	EF9279

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-15, JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	50	34.8	70	36.9	74	6	34-117/43
7005-72-3	4-Chlorophenyl phenyl ether	50	39.8	80	37.6	75	6	53-119/28
121-14-2	2,4-Dinitrotoluene	50	43.5	87	40.7	81	7	58-129/29
606-20-2	2,6-Dinitrotoluene	50	41.4	83	40.2	80	3	56-128/30
91-94-1	3,3'-Dichlorobenzidine	50	33.5	67	33.9	68	1	23-122/44
53-70-3	Dibenzo(a,h)anthracene	50	41.3	83	42.2	84	2	55-127/29
132-64-9	Dibenzofuran	50	41.1	82	38.9	78	6	53-116/29
84-74-2	Di-n-butyl phthalate	50	56.3	113	43.5	87	26	57-129/30
117-84-0	Di-n-octyl phthalate	50	37.6	75	36.2	72	4	45-139/28
84-66-2	Diethyl phthalate	50	40.4	81	39.6	79	2	53-123/30
131-11-3	Dimethyl phthalate	50	36.0	72	35.9	72	0	50-122/35
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.0	88	40.9	82	7	49-137/30
206-44-0	Fluoranthene	50	41.9	84	39.6	79	6	58-125/30
86-73-7	Fluorene	50	41.7	83	40.3	81	3	56-119/28
118-74-1	Hexachlorobenzene	50	41.9	84	40.5	81	3	53-125/29
87-68-3	Hexachlorobutadiene	50	29.2	58	30.3	61	4	21-109/47
77-47-4	Hexachlorocyclopentadiene	100	67.4	67	67.4	67	0	10-96/52
67-72-1	Hexachloroethane	50	24.8	50	28.3	57	13	19-105/40
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.4	81	41.4	83	2	50-132/30
78-59-1	Isophorone	50	38.4	77	38.7	77	1	41-117/33
91-57-6	2-Methylnaphthalene	50	35.5	71	35.0	70	1	41-112/35
88-74-4	2-Nitroaniline	50	41.4	83	39.7	79	4	48-128/31
99-09-2	3-Nitroaniline	50	35.0	70	35.5	71	1	30-115/51
100-01-6	4-Nitroaniline	50	38.1	76	36.6	73	4	43-121/34
91-20-3	Naphthalene	50	34.6	69	34.5	69	0	37-112/39
98-95-3	Nitrobenzene	50	36.5	73	37.0	74	1	35-119/39
621-64-7	N-Nitroso-di-n-propylamine	50	37.5	75	39.7	79	6	34-121/36
86-30-6	N-Nitrosodiphenylamine	50	40.4	81	39.0	78	4	52-121/29
85-01-8	Phenanthrene	50	38.7	77	37.7	75	3	56-121/28
129-00-0	Pyrene	50	40.5	81	39.7	79	2	55-125/29
95-94-3	1,2,4,5-Tetrachlorobenzene	50	35.3	71	34.3	69	3	40-110/35

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	28%	27%	10-71%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42699-BS1	F210429.D	1	10/26/22	HL	10/25/22	OP42699	EF9279
OP42699-BSD	F210430.D	1	10/26/22	HL	10/25/22	OP42699	EF9279

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-15, JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-62-2	Phenol-d5	20%	19%	10-58%
118-79-6	2,4,6-Tribromophenol	75%	71%	22-144%
4165-60-0	Nitrobenzene-d5	74%	71%	28-118%
321-60-8	2-Fluorobiphenyl	76%	71%	34-116%
1718-51-0	Terphenyl-d14	82%	81%	10-127%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-BS1	P152193.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
OP42633-BSD	P152244.D	1	10/27/22	HL	10/25/22	OP42633	EP7050

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	50	24.2	48	29.8	60	21	17-111/59
59-50-7	4-Chloro-3-methyl phenol	50	28.8	58	30.5	61	6	30-118/47
120-83-2	2,4-Dichlorophenol	50	28.6	57	33.4	67	15	30-119/50
105-67-9	2,4-Dimethylphenol	50	23.1	46	11.7	23	66* [a]	20-114/49
51-28-5	2,4-Dinitrophenol	100	74.5	75	59.7	60	22	11-141/72
534-52-1	4,6-Dinitro-o-cresol	50	40.5	81	36.2	72	11	30-142/51
95-48-7	2-Methylphenol	50	21.8	44	23.4	47	7	10-110/56
	3&4-Methylphenol	100	41.0	41	44.8	45	9	10-164/59
88-75-5	2-Nitrophenol	50	32.7	65	38.8	78	17	33-123/49
100-02-7	4-Nitrophenol	50	14.9	30	14.7	29	1	10-84/61
87-86-5	Pentachlorophenol	100	65.6	66	62.2	62	5	10-171/41
108-95-2	Phenol	50	13.5	27	15.8	32	16	10-85/57
58-90-2	2,3,4,6-Tetrachlorophenol	50	31.7	63	33.3	67	5	36-130/44
95-95-4	2,4,5-Trichlorophenol	50	33.3	67	37.5	75	12	38-124/44
88-06-2	2,4,6-Trichlorophenol	50	32.5	65	35.8	72	10	37-122/46
83-32-9	Acenaphthene	50	34.0	68	37.2	74	9	52-115/30
208-96-8	Acenaphthylene	50	39.0	78	44.7	89	14	30-114/31
98-86-2	Acetophenone	50	29.1	58	35.0	70	18	40-115/39
120-12-7	Anthracene	50	33.9	68	35.6	71	5	55-122/29
1912-24-9	Atrazine	50	34.1	68	36.5	73	7	54-140/33
100-52-7	Benzaldehyde	50	29.5	59	35.7	71	19	35-121/35
56-55-3	Benzo(a)anthracene	50	35.8	72	37.5	75	5	55-122/29
50-32-8	Benzo(a)pyrene	50	32.8	66	31.4	63	4	50-123/30
205-99-2	Benzo(b)fluoranthene	50	37.9	76	36.0	72	5	57-124/28
191-24-2	Benzo(g,h,i)perylene	50	37.1	74	37.3	75	1	55-125/30
207-08-9	Benzo(k)fluoranthene	50	35.4	71	34.3	69	3	53-124/28
101-55-3	4-Bromophenyl phenyl ether	50	35.0	70	37.7	75	7	55-124/29
85-68-7	Butyl benzyl phthalate	50	37.9	76	38.9	78	3	54-134/29
92-52-4	1,1'-Biphenyl	50	32.0	64	35.3	71	10	46-115/32
91-58-7	2-Chloronaphthalene	50	32.1	64	36.2	72	12	44-113/32
106-47-8	4-Chloroaniline	50	9.0	18	11.4	23	24	10-100/92
86-74-8	Carbazole	50	33.9	68	34.3	69	1	56-123/29
105-60-2	Caprolactam	50	11.6	23	8.6	17	30	10-85/35
218-01-9	Chrysene	50	34.1	68	35.3	71	3	54-122/29
111-91-1	bis(2-Chloroethoxy)methane	50	32.2	64	35.7	71	10	39-116/36
111-44-4	bis(2-Chloroethyl)ether	50	30.4	61	35.1	70	14	31-118/45

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-BS1	P152193.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
OP42633-BSD	P152244.D	1	10/27/22	HL	10/25/22	OP42633	EP7050

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	50	29.9	60	35.1	70	16	34-117/43
7005-72-3	4-Chlorophenyl phenyl ether	50	31.9	64	34.1	68	7	53-119/28
121-14-2	2,4-Dinitrotoluene	50	34.2	68	37.4	75	9	58-129/29
606-20-2	2,6-Dinitrotoluene	50	35.7	71	39.1	78	9	56-128/30
91-94-1	3,3'-Dichlorobenzidine	50	20.0	40	17.2	34	15	23-122/44
53-70-3	Dibenzo(a,h)anthracene	50	37.1	74	37.7	75	2	55-127/29
132-64-9	Dibenzofuran	50	32.9	66	35.1	70	6	53-116/29
84-74-2	Di-n-butyl phthalate	50	36.9	74	38.8	78	5	57-129/30
117-84-0	Di-n-octyl phthalate	50	37.2	74	34.0	68	9	45-139/28
84-66-2	Diethyl phthalate	50	33.9	68	35.8	72	5	53-123/30
131-11-3	Dimethyl phthalate	50	32.4	65	35.0	70	8	50-122/35
117-81-7	bis(2-Ethylhexyl)phthalate	50	35.5	71	36.2	72	2	49-137/30
206-44-0	Fluoranthene	50	33.0	66	34.3	69	4	58-125/30
86-73-7	Fluorene	50	33.8	68	36.0	72	6	56-119/28
118-74-1	Hexachlorobenzene	50	34.0	68	35.5	71	4	53-125/29
87-68-3	Hexachlorobutadiene	50	23.9	48	25.3	51	6	21-109/47
77-47-4	Hexachlorocyclopentadiene	100	56.5	57	57.1	57	1	10-96/52
67-72-1	Hexachloroethane	50	23.4	47	28.2	56	19	19-105/40
193-39-5	Indeno(1,2,3-cd)pyrene	50	36.4	73	37.7	75	4	50-132/30
78-59-1	Isophorone	50	31.9	64	35.7	71	11	41-117/33
91-57-6	2-Methylnaphthalene	50	28.0	56	30.8	62	10	41-112/35
88-74-4	2-Nitroaniline	50	40.6	81	42.7	85	5	48-128/31
99-09-2	3-Nitroaniline	50	18.9	38	20.9	42	10	30-115/51
100-01-6	4-Nitroaniline	50	27.2	54	23.8	48	13	43-121/34
91-20-3	Naphthalene	50	29.6	59	33.5	67	12	37-112/39
98-95-3	Nitrobenzene	50	35.2	70	42.0	84	18	35-119/39
621-64-7	N-Nitroso-di-n-propylamine	50	30.3	61	34.3	69	12	34-121/36
86-30-6	N-Nitrosodiphenylamine	50	35.4	71	36.7	73	4	52-121/29
85-01-8	Phenanthrene	50	33.8	68	35.4	71	5	56-121/28
129-00-0	Pyrene	50	39.8	80	41.8	84	5	55-125/29
95-94-3	1,2,4,5-Tetrachlorobenzene	50	29.7	59	34.0	68	14	40-110/35

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	34%	38%	10-71%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-BS1	P152193.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
OP42633-BSD	P152244.D	1	10/27/22	HL	10/25/22	OP42633	EP7050

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-62-2	Phenol-d5	24%	27%	10-58%
118-79-6	2,4,6-Tribromophenol	71%	73%	22-144%
4165-60-0	Nitrobenzene-d5	67%	79%	28-118%
321-60-8	2-Fluorobiphenyl	64%	72%	34-116%
1718-51-0	Terphenyl-d14	61%	62%	10-127%

(a) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-MS	P152198.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
OP42633-MSD	P152199.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
JD54024-2	P152200.D	1	10/26/22	KH	10/25/22	OP42633	EP7048

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	JD54024-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		52.6	23.1	44	52.6	29.9	57	26	10-139/56
59-50-7	4-Chloro-3-methyl phenol	ND		52.6	31.1	59	52.6	33.4	63	7	11-141/58
120-83-2	2,4-Dichlorophenol	ND		52.6	30.0	57	52.6	36.0	68	18	14-134/56
105-67-9	2,4-Dimethylphenol	ND		52.6	12.9	25	52.6	14.7	28	13	10-148/73
51-28-5	2,4-Dinitrophenol	ND		105	79.7	76	105	84.9	81	6	10-154/65
534-52-1	4,6-Dinitro-o-cresol	ND		52.6	43.3	82	52.6	46.8	89	8	10-161/76
95-48-7	2-Methylphenol	ND		52.6	19.2	36	52.6	23.1	44	18	10-141/55
	3&4-Methylphenol	1.2		105	40.0	37	105	50.0	46	22	10-209/58
88-75-5	2-Nitrophenol	ND		52.6	34.4	65	52.6	44.0	84	24	22-135/57
100-02-7	4-Nitrophenol	ND		52.6	17.5	33	52.6	16.9	32	3	10-125/78
87-86-5	Pentachlorophenol	ND		105	76.1	72	105	82.2	78	8	10-203/73
108-95-2	Phenol	ND		52.6	12.4	24	52.6	16.4	31	28	10-135/64
58-90-2	2,3,4,6-Tetrachlorophenol	ND		52.6	37.7	72	52.6	40.5	77	7	22-144/64
95-95-4	2,4,5-Trichlorophenol	ND		52.6	37.8	72	52.6	42.3	80	11	23-141/57
88-06-2	2,4,6-Trichlorophenol	ND		52.6	37.6	71	52.6	40.4	77	7	24-136/60
83-32-9	Acenaphthene	ND		52.6	38.4	73	52.6	44.3	84	14	29-139/40
208-96-8	Acenaphthylene	ND		52.6	45.1	86	52.6	51.4	98	13	16-131/41
98-86-2	Acetophenone	ND		52.6	29.7	56	52.6	40.1	76	30	20-141/42
120-12-7	Anthracene	ND		52.6	38.7	74	52.6	43.5	83	12	33-142/40
1912-24-9	Atrazine	ND		52.6	38.9	74	52.6	43.0	82	10	37-160/68
100-52-7	Benzaldehyde	ND		52.6	29.1	55	52.6	40.9	78	34	10-166/49
56-55-3	Benzo(a)anthracene	ND		52.6	39.1	74	52.6	44.7	85	13	27-145/43
50-32-8	Benzo(a)pyrene	ND		52.6	34.7	66	52.6	39.7	75	13	24-145/48
205-99-2	Benzo(b)fluoranthene	ND		52.6	38.5	73	52.6	44.3	84	14	31-141/49
191-24-2	Benzo(g,h,i)perylene	ND		52.6	40.0	76	52.6	45.4	86	13	25-147/50
207-08-9	Benzo(k)fluoranthene	ND		52.6	36.0	68	52.6	41.4	79	14	24-146/47
101-55-3	4-Bromophenyl phenyl ether	ND		52.6	39.9	76	52.6	44.7	85	11	34-144/45
85-68-7	Butyl benzyl phthalate	ND		52.6	42.1	80	52.6	46.8	89	11	29-158/42
92-52-4	1,1'-Biphenyl	ND		52.6	35.4	67	52.6	42.5	81	18	19-148/43
91-58-7	2-Chloronaphthalene	ND		52.6	36.5	69	52.6	42.8	81	16	18-141/64
106-47-8	4-Chloroaniline	ND		52.6	7.1	13	52.6	12.3	23	54	10-114/90
86-74-8	Carbazole	ND		52.6	39.6	75	52.6	44.1	84	11	41-140/41
105-60-2	Caprolactam	ND		52.6	11.0	21	52.6	13.1	25	17	10-149/57
218-01-9	Chrysene	ND		52.6	35.8	68	52.6	41.6	79	15	27-144/43
111-91-1	bis(2-Chloroethoxy)methane	ND		52.6	32.5	62	52.6	42.3	80	26	21-139/42
111-44-4	bis(2-Chloroethyl)ether	ND		52.6	29.1	55	52.6	40.7	77	33	10-160/46

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-MS	P152198.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
OP42633-MSD	P152199.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
JD54024-2	P152200.D	1	10/26/22	KH	10/25/22	OP42633	EP7048

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	JD54024-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		52.6	29.2	55	52.6	40.6	77	33	14-144/53
7005-72-3	4-Chlorophenyl phenyl ether	ND		52.6	36.1	69	52.6	41.1	78	13	31-139/40
121-14-2	2,4-Dinitrotoluene	ND		52.6	40.2	76	52.6	44.8	85	11	45-142/45
606-20-2	2,6-Dinitrotoluene	ND		52.6	41.9	80	52.6	46.3	88	10	42-144/44
91-94-1	3,3'-Dichlorobenzidine	ND		52.6	27.1	51	52.6	28.4	54	5	10-125/75
53-70-3	Dibenzo(a,h)anthracene	ND		52.6	40.2	76	52.6	45.3	86	12	27-147/48
132-64-9	Dibenzofuran	ND		52.6	37.3	71	52.6	42.0	80	12	32-138/40
84-74-2	Di-n-butyl phthalate	ND		52.6	41.9	80	52.6	47.1	89	12	37-146/47
117-84-0	Di-n-octyl phthalate	ND		52.6	38.1	72	52.6	42.5	81	11	11-172/47
84-66-2	Diethyl phthalate	ND		52.6	38.7	74	52.6	43.2	82	11	35-143/43
131-11-3	Dimethyl phthalate	ND		52.6	37.1	70	52.6	41.4	79	11	30-144/45
117-81-7	bis(2-Ethylhexyl)phthalate	ND		52.6	38.7	74	52.6	42.5	81	9	21-162/44
206-44-0	Fluoranthene	ND		52.6	37.3	71	52.6	42.4	81	13	35-143/42
86-73-7	Fluorene	ND		52.6	38.1	72	52.6	42.8	81	12	36-138/40
118-74-1	Hexachlorobenzene	ND		52.6	37.5	71	52.6	42.0	80	11	29-145/43
87-68-3	Hexachlorobutadiene	ND		52.6	23.1	44	52.6	31.9	61	32	10-135/49
77-47-4	Hexachlorocyclopentadiene	ND		105	44.5	42	105	59.8	57	29	10-101/66
67-72-1	Hexachloroethane	ND		52.6	23.8	45	52.6	31.5	60	28	10-129/49
193-39-5	Indeno(1,2,3-cd)pyrene	ND		52.6	41.0	78	52.6	46.4	88	12	19-158/48
78-59-1	Isophorone	ND		52.6	33.3	63	52.6	41.5	79	22	27-136/41
91-57-6	2-Methylnaphthalene	ND		52.6	30.1	57	52.6	38.1	72	23	18-139/49
88-74-4	2-Nitroaniline	ND		52.6	44.8	85	52.6	50.6	96	12	22-154/51
99-09-2	3-Nitroaniline	ND		52.6	18.3	35	52.6	25.2	48	32	10-131/51
100-01-6	4-Nitroaniline	ND		52.6	28.3	54	52.6	32.0	61	12	11-142/52
91-20-3	Naphthalene	ND		52.6	29.9	57	52.6	40.4	77	30	10-158/50
98-95-3	Nitrobenzene	ND		52.6	36.0	68	52.6	49.4	94	31	18-148/49
621-64-7	N-Nitroso-di-n-propylamine	ND		52.6	30.5	58	52.6	39.8	76	26	16-141/40
86-30-6	N-Nitrosodiphenylamine	ND		52.6	39.9	76	52.6	44.4	84	11	20-153/45
85-01-8	Phenanthrene	ND		52.6	38.4	73	52.6	42.9	82	11	32-145/40
129-00-0	Pyrene	ND		52.6	43.5	83	52.6	49.8	95	14	31-146/40
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		52.6	32.9	63	52.6	41.2	78	22	15-137/45

CAS No.	Surrogate Recoveries	MS	MSD	JD54024-2	Limits
367-12-4	2-Fluorophenol	28%	37%	22%	10-71%

* = Outside of Control Limits.

8.3.1

8

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP42633-MS	P152198.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
OP42633-MSD	P152199.D	1	10/26/22	KH	10/25/22	OP42633	EP7048
JD54024-2	P152200.D	1	10/26/22	KH	10/25/22	OP42633	EP7048

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD54013-1, JD54013-2, JD54013-3, JD54013-5, JD54013-6, JD54013-7, JD54013-8, JD54013-9, JD54013-10, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Surrogate Recoveries	MS	MSD	JD54024-2	Limits
4165-62-2	Phenol-d5	21%	27%	15%	10-58%
118-79-6	2,4,6-Tribromophenol	76%	83%	62%	22-144%
4165-60-0	Nitrobenzene-d5	64%	90%	59%	28-118%
321-60-8	2-Fluorobiphenyl	68%	81%	58%	34-116%
1718-51-0	Terphenyl-d14	50%	58%	39%	10-127%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9252-DFTPP
Lab File ID: F209858.D
Instrument ID: GCMSF
Injection Date: 09/24/22
Injection Time: 11:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	20239	34.1		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	29180	49.1		Pass
70	Less than 2.0% of mass 69	152	0.26	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	30498	51.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	59389	100.0		Pass
199	5.0 - 9.0% of mass 198	4267	7.18		Pass
275	10.0 - 30.0% of mass 198	14814	24.9		Pass
365	1.0 - 100.0% of mass 198	1669	2.81		Pass
441	Present, but less than mass 443	4845	8.16	(86.6) [b]	Pass
442	40.0 - 100.0% of mass 198	31052	52.3		Pass
443	17.0 - 23.0% of mass 442	5593	9.42	(18.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9252-IC9252	F209861.D	09/24/22	13:26	01:33	Initial cal 100
EF9252-IC9252	F209862.D	09/24/22	14:03	02:10	Initial cal 1
EF9252-IC9252	F209863.D	09/24/22	14:29	02:36	Initial cal 80
EF9252-IC9252	F209864.D	09/24/22	14:54	03:01	Initial cal 2
EF9252-ICC9252	F209865.D	09/24/22	15:20	03:27	Initial cal 50
EF9252-IC9252	F209866.D	09/24/22	15:45	03:52	Initial cal 5
EF9252-IC9252	F209867.D	09/24/22	16:11	04:18	Initial cal 25
EF9252-IC9252	F209868.D	09/24/22	16:36	04:43	Initial cal 10

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9253-DFTPP
Lab File ID: F209869.D
Instrument ID: GCMSF
Injection Date: 09/24/22
Injection Time: 19:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19362	33.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	28875	49.6		Pass
70	Less than 2.0% of mass 69	187	0.32	(0.65) [a]	Pass
127	40.0 - 60.0% of mass 198	29885	51.3		Pass
197	Less than 1.0% of mass 198	326	0.56		Pass
198	Base peak, 100% relative abundance	58229	100.0		Pass
199	5.0 - 9.0% of mass 198	4056	6.97		Pass
275	10.0 - 30.0% of mass 198	14406	24.7		Pass
365	1.0 - 100.0% of mass 198	1967	3.38		Pass
441	Present, but less than mass 443	5036	8.65	(79.3) [b]	Pass
442	40.0 - 100.0% of mass 198	32309	55.5		Pass
443	17.0 - 23.0% of mass 442	6351	10.9	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9253-IC9253	F209870A.D	09/24/22	20:13	00:49	Initial cal 100
EF9253-IC9253	F209871.D	09/24/22	20:38	01:14	Initial cal 80
EF9253-ICC9253	F209872.D	09/24/22	21:02	01:38	Initial cal 50
EF9253-IC9253	F209873.D	09/24/22	21:27	02:03	Initial cal 25
EF9253-IC9253	F209874.D	09/24/22	21:52	02:28	Initial cal 10
EF9253-IC9253	F209875.D	09/24/22	22:17	02:53	Initial cal 5
EF9253-IC9253	F209876.D	09/24/22	22:42	03:18	Initial cal 2
EF9253-IC9253	F209877.D	09/24/22	23:07	03:43	Initial cal 1
EF9253-ICV9253	F209878.D	09/24/22	23:31	04:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9254-DFTPP	**Injection Date:**	09/27/22
Lab File ID:	F209879.D	**Injection Time:**	04:17
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	21235	32.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	30925	47.5		Pass
70	Less than 2.0% of mass 69	206	0.32	(0.67) [a]	Pass
127	40.0 - 60.0% of mass 198	33525	51.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	65058	100.0		Pass
199	5.0 - 9.0% of mass 198	4354	6.69		Pass
275	10.0 - 30.0% of mass 198	15693	24.1		Pass
365	1.0 - 100.0% of mass 198	2110	3.24		Pass
441	Present, but less than mass 443	5384	8.28	(80.6) [b]	Pass
442	40.0 - 100.0% of mass 198	34053	52.3		Pass
443	17.0 - 23.0% of mass 442	6684	10.3	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9254-IC9254	F209880.D	09/27/22	04:37	00:20	Initial cal 100
EF9254-IC9254	F209881.D	09/27/22	05:03	00:46	Initial cal 80
EF9254-ICC9254	F209882.D	09/27/22	05:29	01:12	Initial cal 50
EF9254-IC9254	F209883.D	09/27/22	05:54	01:37	Initial cal 25
EF9254-IC9254	F209884.D	09/27/22	06:20	02:03	Initial cal 10
EF9254-IC9254	F209885.D	09/27/22	06:45	02:28	Initial cal 5
EF9254-IC9254	F209886.D	09/27/22	07:11	02:54	Initial cal 2
EF9254-IC9254	F209887.D	09/27/22	07:36	03:19	Initial cal 1
EF9254-ICV9254	F209888.D	09/27/22	08:02	03:45	Initial cal verification 50
EF9254-ICV9254	F209889.D	09/27/22	08:27	04:10	Initial cal verification 50
EF9254-ICV9254	F209890.D	09/27/22	08:53	04:36	Initial cal verification 50
EF9254-ICV9254	F209891.D	09/27/22	09:18	05:01	Initial cal verification 50
EF9254-ICV9252	F209892.D	09/27/22	09:44	05:27	Initial cal verification 50
EF9254-ICV9252	F209893.D	09/27/22	10:10	05:53	Initial cal verification 50
EF9254-ICV9252	F209894.D	09/27/22	10:35	06:18	Initial cal verification 50
EF9254-ICV9252	F209895.D	09/27/22	11:01	06:44	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9279-DFTPP
Lab File ID: F210424.D
Instrument ID: GCMSF
Injection Date: 10/26/22
Injection Time: 13:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	52263	35.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	76690	51.6		Pass
70	Less than 2.0% of mass 69	432	0.29	(0.56) [a]	Pass
127	40.0 - 60.0% of mass 198	80339	54.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	148597	100.0		Pass
199	5.0 - 9.0% of mass 198	10220	6.88		Pass
275	10.0 - 30.0% of mass 198	35323	23.8		Pass
365	1.0 - 100.0% of mass 198	4873	3.28		Pass
441	Present, but less than mass 443	12365	8.32	(81.6) [b]	Pass
442	40.0 - 100.0% of mass 198	82288	55.4		Pass
443	17.0 - 23.0% of mass 442	15153	10.2	(18.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9279-CC9252	F210425.D	10/26/22	14:06	00:15	Continuing cal 50
EF9279-CC9253	F210426.D	10/26/22	14:34	00:43	Continuing cal 50
OP42699-MB1	F210428.D	10/26/22	16:01	02:10	Method Blank
OP42699-BS1	F210429.D	10/26/22	17:23	03:32	Blank Spike
OP42699-BSD	F210430.D	10/26/22	17:50	03:59	Blank Spike Duplicate
ZZZZZZ	F210431.D	10/26/22	18:17	04:26	(unrelated sample)
ZZZZZZ	F210432.D	10/26/22	18:44	04:53	(unrelated sample)
ZZZZZZ	F210433A.D	10/26/22	20:21	06:30	(unrelated sample)
ZZZZZZ	F210434.D	10/26/22	20:48	06:57	(unrelated sample)
ZZZZZZ	F210435.D	10/26/22	21:15	07:24	(unrelated sample)
ZZZZZZ	F210436.D	10/26/22	21:42	07:51	(unrelated sample)
ZZZZZZ	F210437.D	10/26/22	22:09	08:18	(unrelated sample)
JD54013-16	F210438.D	10/26/22	22:36	08:45	MW-25(S)
JD54013-17	F210439.D	10/26/22	23:04	09:13	MW-25(D)
JD54013-18	F210440.D	10/26/22	23:31	09:40	MW-27(S)
JD54013-20	F210442.D	10/26/22	23:58	10:07	MW-20(S)
JD54013-21	F210443.D	10/27/22	00:25	10:34	MW-15(D)
JD54013-22	F210444.D	10/27/22	00:52	11:01	MW-26(S)

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9280-DFTPP
Lab File ID: F210451.D
Instrument ID: GCMSF
Injection Date: 10/27/22
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	26747	33.5		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	41592	52.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	41856	52.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	79763	100.0		Pass
199	5.0 - 9.0% of mass 198	5510	6.91		Pass
275	10.0 - 30.0% of mass 198	18748	23.5		Pass
365	1.0 - 100.0% of mass 198	2836	3.56		Pass
441	Present, but less than mass 443	7327	9.19	(87.0) [b]	Pass
442	40.0 - 100.0% of mass 198	45544	57.1		Pass
443	17.0 - 23.0% of mass 442	8419	10.6	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9280-CC9252	F210454.D	10/27/22	09:21	00:41	Continuing cal 25
EF9280-CC9253	F210455.D	10/27/22	09:48	01:08	Continuing cal 25
ZZZZZZ	F210456.D	10/27/22	10:30	01:50	(unrelated sample)
ZZZZZZ	F210457.D	10/27/22	10:57	02:17	(unrelated sample)
ZZZZZZ	F210458A.D	10/27/22	11:38	02:58	(unrelated sample)
ZZZZZZ	F210459.D	10/27/22	12:05	03:25	(unrelated sample)
ZZZZZZ	F210460.D	10/27/22	12:32	03:52	(unrelated sample)
ZZZZZZ	F210461.D	10/27/22	12:59	04:19	(unrelated sample)
ZZZZZZ	F210462.D	10/27/22	13:26	04:46	(unrelated sample)
ZZZZZZ	F210463.D	10/27/22	13:53	05:13	(unrelated sample)
ZZZZZZ	F210464.D	10/27/22	14:20	05:40	(unrelated sample)
ZZZZZZ	F210465.D	10/27/22	14:47	06:07	(unrelated sample)
ZZZZZZ	F210466.D	10/27/22	15:14	06:34	(unrelated sample)
ZZZZZZ	F210467.D	10/27/22	15:41	07:01	(unrelated sample)
ZZZZZZ	F210468.D	10/27/22	16:08	07:28	(unrelated sample)
JD54013-15	F210469.D	10/27/22	16:35	07:55	MW-24(S)
ZZZZZZ	F210470.D	10/27/22	17:02	08:22	(unrelated sample)
JD54013-19	F210471.D	10/27/22	17:29	08:49	MW-27(D)
JD54013-20	F210473.D	10/27/22	18:23	09:43	MW-20(S)

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9280-DFTPP	**Injection Date:**	10/27/22
Lab File ID:	F210451.D	**Injection Time:**	08:40
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JD54013-21	F210474.D	10/27/22	18:49	10:09	MW-15(D)
JD54013-22	F210475.D	10/27/22	19:16	10:36	MW-26(S)
JD54013-21	F210476.D	10/27/22	19:43	11:03	MW-15(D)

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EF9284-DFTPP
Lab File ID: F210557.D
Instrument ID: GCMSF
Injection Date: 10/31/22
Injection Time: 09:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	16015	35.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	22739	50.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23848	53.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	44912	100.0		Pass
199	5.0 - 9.0% of mass 198	2976	6.63		Pass
275	10.0 - 30.0% of mass 198	10544	23.5		Pass
365	1.0 - 100.0% of mass 198	1302	2.90		Pass
441	Present, but less than mass 443	3954	8.80	(87.4) [b]	Pass
442	40.0 - 100.0% of mass 198	23216	51.7		Pass
443	17.0 - 23.0% of mass 442	4524	10.1	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9284-CC9252	F210558.D	10/31/22	09:41	00:11	Continuing cal 25
EF9284-CC9253	F210559.D	10/31/22	10:06	00:36	Continuing cal 25
OP42730B-MB1	F210561.D	10/31/22	11:59	02:29	Method Blank
OP42730-MB1	F210561.D	10/31/22	11:59	02:29	Method Blank
OP42730B-BS1	F210562.D	10/31/22	12:24	02:54	Blank Spike
OP42730-BS1	F210562.D	10/31/22	12:24	02:54	Blank Spike
OP42730-MS	F210564.D	10/31/22	13:18	03:48	Matrix Spike
OP42730-MSD	F210565.D	10/31/22	13:43	04:13	Matrix Spike Duplicate
JD54246-4	F210566.D	10/31/22	14:09	04:39	(used for QC only; not part of job JD54013)
OP42755-MB1	F210579.D	10/31/22	14:34	05:04	Method Blank
ZZZZZZ	F210567.D	10/31/22	15:52	06:22	(unrelated sample)
ZZZZZZ	F210568.D	10/31/22	16:17	06:47	(unrelated sample)
ZZZZZZ	F210570.D	10/31/22	17:07	07:37	(unrelated sample)
ZZZZZZ	F210571.D	10/31/22	17:32	08:02	(unrelated sample)
ZZZZZZ	F210572.D	10/31/22	17:58	08:28	(unrelated sample)
ZZZZZZ	F210573.D	10/31/22	18:23	08:53	(unrelated sample)
ZZZZZZ	F210574.D	10/31/22	18:48	09:18	(unrelated sample)
ZZZZZZ	F210575.D	10/31/22	19:13	09:43	(unrelated sample)
JD54013-19	F210576.D	10/31/22	19:38	10:08	MW-27(D)

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EF9284-DFTPP	**Injection Date:**	10/31/22
Lab File ID:	F210557.D	**Injection Time:**	09:30
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F210577.D	10/31/22	20:03	10:33	(unrelated sample)
JD54013-22	F210578.D	10/31/22	20:28	10:58	MW-26(S)

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EP7003-DFTPP
Lab File ID: P151279.D
Instrument ID: GCMSP
Injection Date: 09/09/22
Injection Time: 20:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	8365	36.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	9820	42.7		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	13541	58.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	22979	100.0		Pass
199	5.0 - 9.0% of mass 198	1635	7.12		Pass
275	10.0 - 30.0% of mass 198	5496	23.9		Pass
365	1.0 - 100.0% of mass 198	828	3.60		Pass
441	Present, but less than mass 443	2585	11.2	(85.8) [b]	Pass
442	40.0 - 100.0% of mass 198	16779	73.0		Pass
443	17.0 - 23.0% of mass 442	3013	13.1	(18.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7003-IC7003	P151280.D	09/09/22	21:23	00:27	Initial cal 100
EP7003-IC7003	P151281.D	09/09/22	21:47	00:51	Initial cal 1
EP7003-IC7003	P151282.D	09/09/22	22:12	01:16	Initial cal 80
EP7003-IC7003	P151283.D	09/09/22	22:37	01:41	Initial cal 2
EP7003-ICC7003	P151284.D	09/09/22	23:02	02:06	Initial cal 50
EP7003-IC7003	P151285.D	09/09/22	23:27	02:31	Initial cal 5
EP7003-IC7003	P151286.D	09/09/22	23:52	02:56	Initial cal 25
EP7003-IC7003	P151287.D	09/10/22	00:16	03:20	Initial cal 10
EP7003-ICV7003	P151288.D	09/10/22	00:41	03:45	Initial cal verification 50
EP7003-ICV7003	P151289.D	09/10/22	01:06	04:10	Initial cal verification 50
EP7003-ICV7003	P151290.D	09/10/22	01:31	04:35	Initial cal verification 50
EP7003-ICV7003	P151291A.D	09/10/22	02:00	05:04	Initial cal verification 50
EP7003-ICV7003	P151292B.D	09/10/22	02:25	05:29	Initial cal verification 50
EP7003-ICV7003	P151293.D	09/10/22	02:50	05:54	Initial cal verification 50
EP7003-ICV7003	P151294.D	09/10/22	03:16	06:20	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: EP7004-DFTPP
Lab File ID: P151295.D
Instrument ID: GCMSP
Injection Date: 09/10/22
Injection Time: 05:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	9537	35.5		Pass
68	Less than 2.0% of mass 69	119	0.44	(1.16) [a]	Pass
69	Mass 69 relative abundance	10229	38.1		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	14985	55.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	26857	100.0		Pass
199	5.0 - 9.0% of mass 198	1889	7.03		Pass
275	10.0 - 30.0% of mass 198	6423	23.9		Pass
365	1.0 - 100.0% of mass 198	1016	3.78		Pass
441	Present, but less than mass 443	3107	11.6	(82.0) [b]	Pass
442	40.0 - 100.0% of mass 198	20578	76.6		Pass
443	17.0 - 23.0% of mass 442	3789	14.1	(18.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7004-IC7004	P151296A.D	09/10/22	05:39	00:39	Initial cal 100
EP7004-IC7004	P151297.D	09/10/22	06:04	01:04	Initial cal 80
EP7004-ICC7004	P151298.D	09/10/22	06:28	01:28	Initial cal 50
EP7004-IC7004	P151299A.D	09/10/22	07:34	02:34	Initial cal 25
EP7004-IC7004	P151300.D	09/10/22	07:58	02:58	Initial cal 10
EP7004-IC7004	P151301.D	09/10/22	08:23	03:23	Initial cal 5
EP7004-IC7004	P151302.D	09/10/22	08:48	03:48	Initial cal 2
EP7004-IC7004	P151303.D	09/10/22	09:13	04:13	Initial cal 1
EP7004-ICV7004	P151304.D	09/10/22	09:37	04:37	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EP7048-DFTPP	**Injection Date:**	10/26/22
Lab File ID:	P152188.D	**Injection Time:**	11:51
Instrument ID:	GCMSP		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13391	40.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	14867	44.8		Pass
70	Less than 2.0% of mass 69	62	0.19	(0.42) [a]	Pass
127	40.0 - 60.0% of mass 198	19384	58.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	33167	100.0		Pass
199	5.0 - 9.0% of mass 198	2371	7.15		Pass
275	10.0 - 30.0% of mass 198	7513	22.7		Pass
365	1.0 - 100.0% of mass 198	1208	3.64		Pass
441	Present, but less than mass 443	3559	10.7	(79.4) [b]	Pass
442	40.0 - 100.0% of mass 198	24285	73.2		Pass
443	17.0 - 23.0% of mass 442	4483	13.5	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7048-CC7003	P152189.D	10/26/22	12:03	00:12	Continuing cal 25
EP7048-CC7004	P152190.D	10/26/22	12:28	00:37	Continuing cal 25
OP42633B-MB1	P152192.D	10/26/22	13:36	01:45	Method Blank
OP42633-MB1	P152192.D	10/26/22	13:36	01:45	Method Blank
OP42633B-BS1	P152193.D	10/26/22	14:01	02:10	Blank Spike
OP42633-BS1	P152193.D	10/26/22	14:01	02:10	Blank Spike
ZZZZZZ	P152195.D	10/26/22	14:54	03:03	(unrelated sample)
ZZZZZZ	P152196.D	10/26/22	15:19	03:28	(unrelated sample)
ZZZZZZ	P152197.D	10/26/22	15:44	03:53	(unrelated sample)
OP42633-MS	P152198.D	10/26/22	16:09	04:18	Matrix Spike
OP42633-MSD	P152199.D	10/26/22	16:34	04:43	Matrix Spike Duplicate
JD54024-2	P152200.D	10/26/22	16:59	05:08	(used for QC only; not part of job JD54013)
JD54013-1	P152201.D	10/26/22	17:24	05:33	MW-7R
JD54013-2	P152202.D	10/26/22	17:49	05:58	MW-16(S)
JD54013-3	P152203.D	10/26/22	18:14	06:23	FB-1
ZZZZZZ	P152204.D	10/26/22	18:39	06:48	(unrelated sample)
ZZZZZZ	P152205.D	10/26/22	19:04	07:13	(unrelated sample)
ZZZZZZ	P152206.D	10/26/22	19:28	07:37	(unrelated sample)
JD54013-6	P152207.D	10/26/22	19:53	08:02	MW-11(D)

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EP7048-DFTPP	**Injection Date:**	10/26/22
Lab File ID:	P152188.D	**Injection Time:**	11:51
Instrument ID:	GCMSP		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JD54013-7	P152208.D	10/26/22	20:18	08:27	MW-21(S)
JD54013-8	P152209.D	10/26/22	20:43	08:52	MW-30(S)
JD54013-9	P152210.D	10/26/22	21:08	09:17	MW-30(D)
JD54013-10	P152211.D	10/26/22	21:33	09:42	MW-19(D)
JD54013-12	P152212.D	10/26/22	21:58	10:07	MW-24(D)
JD54013-13	P152213.D	10/26/22	22:23	10:32	MW-9
JD54013-14	P152214.D	10/26/22	22:48	10:57	MW-9 DUP
ZZZZZZ	P152215.D	10/26/22	23:12	11:21	(unrelated sample)
JD54013-11	P152216.D	10/26/22	23:37	11:46	MW-10

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EP7050-DFTPP	**Injection Date:**	10/27/22
Lab File ID:	P152240.D	**Injection Time:**	14:24
Instrument ID:	GCMSP		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14884	39.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	17359	45.9		Pass
70	Less than 2.0% of mass 69	54	0.14	(0.31) [a]	Pass
127	40.0 - 60.0% of mass 198	22381	59.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	37789	100.0		Pass
199	5.0 - 9.0% of mass 198	2474	6.55		Pass
275	10.0 - 30.0% of mass 198	8288	21.9		Pass
365	1.0 - 100.0% of mass 198	1238	3.28		Pass
441	Present, but less than mass 443	3594	9.51	(79.7) [b]	Pass
442	40.0 - 100.0% of mass 198	24842	65.7		Pass
443	17.0 - 23.0% of mass 442	4507	11.9	(18.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP7050-CC7003	P152241.D	10/27/22	14:43	00:19	Continuing cal 50
EP7050-CC7004	P152242.D	10/27/22	15:23	00:59	Continuing cal 50
OP42633-BSD	P152244.D	10/27/22	16:33	02:09	Blank Spike Duplicate
OP42633B-BSD	P152244.D	10/27/22	16:33	02:09	Blank Spike Duplicate
JD54013-1	P152246.D	10/27/22	18:01	03:37	MW-7R
JD54013-1	P152247.D	10/27/22	18:25	04:01	MW-7R
JD54013-2	P152248.D	10/27/22	18:50	04:26	MW-16(S)
JD54013-5	P152250.D	10/27/22	19:40	05:16	MW-17(S)
JD54013-5	P152251.D	10/27/22	20:05	05:41	MW-17(S)
JD54013-6	P152252.D	10/27/22	20:30	06:06	MW-11(D)
JD54013-6	P152253.D	10/27/22	20:54	06:30	MW-11(D)
JD54013-7	P152254.D	10/27/22	21:19	06:55	MW-21(S)
JD54013-9	P152255.D	10/27/22	21:44	07:20	MW-30(D)
JD54013-10	P152256.D	10/27/22	22:09	07:45	MW-19(D)
JD54013-11	P152257.D	10/27/22	22:34	08:10	MW-10
JD54013-11	P152258.D	10/27/22	22:58	08:34	MW-10
JD54013-13	P152259.D	10/27/22	23:23	08:59	MW-9
JD54013-13	P152260.D	10/27/22	23:48	09:24	MW-9
JD54013-14	P152261.D	10/28/22	00:13	09:49	MW-9 DUP

Instrument Performance Check (DFTPP)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	EP7050-DFTPP	**Injection Date:**	10/27/22
Lab File ID:	P152240.D	**Injection Time:**	14:24
Instrument ID:	GCMSP		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JD54013-14	P152262.D	10/28/22	00:37	10:13	MW-9 DUP

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9279-CC9252	**Injection Date:**	10/26/22
Lab File ID:	F210425.D	**Injection Time:**	14:06
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	114374	3.97	399412	4.90	215095	6.15	397798	7.68	324592	12.51	325353	15.46
Check Std [b]	182832	3.79	686294	4.72	377819	5.96	706565	7.38	600089	12.06	624021	14.99
Upper Limit [c]	365664	3.96	1372588	4.89	755638	6.13	1413130	7.55	1200178	12.23	1248042	15.16
Lower Limit [d]	91416	3.62	343147	4.55	188910	5.79	353283	7.21	300045	11.89	312011	14.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP42699-MB1	140055	3.79	520718	4.72	278443	5.96	516255	7.37	431970	12.05	466718	14.97
OP42699-BS1	141103	3.79	503787	4.72	263208	5.96	488143	7.38	391043	12.06	410286	14.98
OP42699-BSD	145692	3.79	536797	4.72	283895	5.96	521460	7.38	409238	12.05	419580	14.98
ZZZZZZ	141882	3.79	519101	4.72	275794	5.96	511911	7.37	417013	12.05	439486	14.97
ZZZZZZ	183895	3.79	703108	4.72	390073	5.96	663567	7.37	558498	12.12	535971	15.14
ZZZZZZ	135137	3.79	512430	4.73	272308	5.97	491804	7.39	396845	12.08	420485	15.02
ZZZZZZ	126534	3.79	470523	4.72	255347	5.96	477777	7.38	381336	12.07	407903	15.01
ZZZZZZ	135580	3.79	511261	4.72	271339	5.96	503019	7.38	405112	12.07	421713	15.00
ZZZZZZ	128276	3.79	475795	4.72	266170	5.96	481189	7.38	395488	12.06	414609	14.99
ZZZZZZ	138339	3.79	519202	4.72	272666	5.96	503946	7.38	408506	12.06	446683	14.99
JD54013-16	130153	3.79	488868	4.72	260474	5.96	486402	7.38	403822	12.06	436624	14.99
JD54013-17	134996	3.79	519056	4.72	283964	5.96	508278	7.38	414389	12.06	452516	14.99
JD54013-18	138113	3.79	516965	4.72	266638	5.96	471579	7.38	388271	12.06	426520	14.99
JD54013-20	130300	3.79	482550	4.73	257556	5.96	476470	7.38	393546	12.06	422739	14.99
JD54013-21	134824	3.80	467571	4.76	268487	5.97	490099	7.38	398877	12.07	449396	15.01
JD54013-22	112848	3.80	397002	4.77	219609	5.97	399985	7.39	338192	12.08	378485	15.01

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EF9252-ICC9252 F209865.D 09/24/22 15:20
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9280-CC9252	**Injection Date:**	10/27/22
Lab File ID:	F210454.D	**Injection Time:**	09:21
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	149074	3.85	569679	4.78	314700	6.01	592727	7.46	523728	12.20	557177	15.13
Upper Limit [a]	298148	4.35	1139358	5.28	629400	6.51	1185454	7.96	1047456	12.70	1114354	15.63
Lower Limit [b]	74537	3.35	284840	4.28	157350	5.51	296364	6.96	261864	11.70	278589	14.63
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
ZZZZZZ	133677	3.85	513775	4.77	272273	6.01	502027	7.46	421962	12.19	451190	15.13
ZZZZZZ	129110	3.85	498463	4.77	269987	6.01	497449	7.46	420697	12.18	456254	15.12
ZZZZZZ	123349	3.85	472059	4.77	256370	6.01	493106	7.46	420441	12.19	454228	15.12
ZZZZZZ	124442	3.85	483950	4.77	264164	6.01	486424	7.46	448813	12.18	475019	15.12
ZZZZZZ	130552	3.85	508125	4.77	273097	6.01	496809	7.46	434135	12.18	463964	15.12
ZZZZZZ	129051	3.85	491836	4.77	269945	6.01	494175	7.46	423759	12.20	461886	15.14
ZZZZZZ	118867	3.85	460251	4.77	250132	6.01	466421	7.46	405141	12.20	437515	15.14
ZZZZZZ	121963	3.85	477471	4.77	264850	6.01	500747	7.46	429061	12.19	464876	15.13
ZZZZZZ	123297	3.85	470097	4.77	261997	6.01	498508	7.46	432617	12.18	470166	15.12
ZZZZZZ	117438	3.85	455465	4.77	245846	6.01	475997	7.46	411164	12.18	449497	15.12
ZZZZZZ	131729	3.85	508609	4.77	275966	6.01	524500	7.46	451180	12.18	500305	15.12
ZZZZZZ	131773	3.85	512485	4.77	278433	6.01	526004	7.46	447641	12.18	490280	15.13
ZZZZZZ	123733	3.85	477871	4.77	267772	6.01	495579	7.46	440471	12.18	468948	15.12
JD54013-15 [c]	154804	3.85	590416	4.77	313240	6.01	587134	7.46	508261	12.18	563333	15.12
ZZZZZZ	144520	3.85	550377	4.78	300148	6.01	568111	7.46	489332	12.18	546056	15.13
JD54013-19 [c]	138283	3.85	524543	4.77	272417	6.01	510831	7.46	441414	12.18	512826	15.13
JD54013-20	124654	3.85	477575	4.77	265108	6.02	499671	7.47	405757	12.20	448852	15.14
JD54013-21	128833	3.85	493839	4.78	264640	6.02	500803	7.47	431007	12.20	468805	15.14
JD54013-22	127281	3.85	503199	4.79	268190	6.02	509836	7.47	442622	12.20	489152	15.14
JD54013-21	124520	3.85	490234	4.77	267490	6.01	506095	7.46	443187	12.19	486913	15.13

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to viscosity of the extract matrix.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EF9284-CC9252	**Injection Date:**	10/31/22
Lab File ID:	F210558.D	**Injection Time:**	09:41
Instrument ID:	GCMSF	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	78664	3.79	304770	4.72	172805	5.96	330723	7.37	301765	12.04	317154	14.97
Upper Limit [a]	157328	4.29	609540	5.22	345610	6.46	661446	7.87	603530	12.54	634308	15.47
Lower Limit [b]	39332	3.29	152385	4.22	86403	5.46	165362	6.87	150883	11.54	158577	14.47

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP42730B-MB1	70867	3.79	276382	4.72	149501	5.96	286388	7.37	249325	12.05	284983	14.97
OP42730-MB1	70867	3.79	276382	4.72	149501	5.96	286388	7.37	249325	12.05	284983	14.97
OP42730B-BS1	70500	3.79	271860	4.72	147577	5.96	280833	7.37	245477	12.05	278534	14.97
OP42730-BS1	70500	3.79	271860	4.72	147577	5.96	280833	7.37	245477	12.05	278534	14.97
OP42730-MS	75543	3.79	275194	4.72	148142	5.96	284183	7.37	250436	12.05	283345	14.97
OP42730-MSD	66374	3.79	244124	4.72	132528	5.96	251731	7.37	234027	12.04	270770	14.97
JD54246-4	73854	3.79	284214	4.72	153196	5.96	292228	7.37	265227	12.03	302836	14.97
OP42755-MB1	69431	3.79	271528	4.72	146188	5.96	279782	7.37	243876	12.04	283500	14.96
ZZZZZZ	70128	3.79	271234	4.72	146094	5.96	271763	7.37	228759	12.04	268338	14.97
ZZZZZZ	74569	3.79	283369	4.72	155103	5.96	291471	7.37	250723	12.04	294463	14.97
ZZZZZZ	77635	3.79	305069	4.72	164238	5.96	313357	7.37	268361	12.04	315608	14.97
ZZZZZZ	79268	3.79	310435	4.72	170071	5.96	319701	7.37	293601	12.03	347950	14.97
ZZZZZZ	75955	3.79	289623	4.72	159839	5.96	299558	7.37	273945	12.03	314899	14.97
ZZZZZZ	69638	3.79	268621	4.72	144934	5.96	276343	7.37	237420	12.03	276011	14.97
ZZZZZZ	65041	3.79	245993	4.72	136310	5.96	263663	7.37	248504	12.03	302049	14.97
ZZZZZZ	67360	3.79	256986	4.72	140319	5.96	280476	7.37	255799	12.03	305282	14.97
JD54013-19	68428	3.79	259203	4.72	142019	5.96	266721	7.37	251413	12.03	306653	14.97
ZZZZZZ	79085	3.79	295278	4.72	149083	5.96	279666	7.38	246433	12.07	294932	15.04
JD54013-22	54455	3.79	207710	4.72	117126	5.96	222234	7.38	190224	12.06	210847	14.99

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EP7048-CC7003	**Injection Date:**	10/26/22
Lab File ID:	P152189.D	**Injection Time:**	12:03
Instrument ID:	GCMSP	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	77341	4.54	312875	5.46	158052	6.85	271033	8.69	211476	13.93	229047	16.99
Upper Limit [a]	154682	5.04	625750	5.96	316104	7.35	542066	9.19	422952	14.43	458094	17.49
Lower Limit [b]	38671	4.04	156438	4.96	79026	6.35	135517	8.19	105738	13.43	114524	16.49
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP42633B-MB1	65449	4.54	263063	5.46	130289	6.85	215740	8.69	150199	13.93	161054	16.98
OP42633-MB1	65449	4.54	263063	5.46	130289	6.85	215740	8.69	150199	13.93	161054	16.98
OP42633B-BS1	74080	4.54	291414	5.46	147872	6.85	247572	8.69	184040	13.93	195810	16.98
OP42633-BS1	74080	4.54	291414	5.46	147872	6.85	247572	8.69	184040	13.93	195810	16.98
ZZZZZZ	72861	4.54	298389	5.46	147517	6.85	242862	8.68	171645	13.92	188198	16.98
ZZZZZZ	79810	4.54	325427	5.46	159179	6.85	263432	8.68	186308	13.92	211980	16.98
ZZZZZZ	83932	4.54	339455	5.46	168670	6.85	276036	8.68	195319	13.92	224519	16.98
OP42633-MS	73056	4.54	289370	5.46	142818	6.85	240274	8.69	184659	13.93	209190	16.98
OP42633-MSD	69828	4.54	273083	5.46	136617	6.85	229220	8.69	174814	13.93	196987	16.98
JD54024-2	68102	4.54	280108	5.46	139490	6.85	235719	8.68	177723	13.92	201470	16.97
JD54013-1	65398	4.55	193033	5.47	136720	6.85	239203	8.69	189773	13.93	221409	16.98
JD54013-2	63575	4.54	186366	5.47	131384	6.85	227690	8.68	178381	13.92	201714	16.98
JD54013-3	69214	4.54	282263	5.46	140862	6.85	238817	8.68	182980	13.91	209608	16.97
ZZZZZZ	67848	4.54	274712	5.46	139460	6.85	237885	8.68	182630	13.91	204654	16.97
ZZZZZZ	73319	4.54	298894	5.46	149310	6.85	256679	8.68	193619	13.91	221444	16.97
ZZZZZZ	72063	4.54	293668	5.46	149065	6.85	251756	8.68	191459	13.91	218287	16.97
JD54013-6	68223	4.54	212596	5.47	139843	6.85	242746	8.68	195510	13.92	225615	16.98
JD54013-7	66997	4.54	249061	5.47	141442	6.85	247701	8.68	194996	13.91	226477	16.97
JD54013-8	71830	4.54	289181	5.46	147402	6.84	254557	8.68	199958	13.91	225099	16.97
JD54013-9	67922	4.54	264955	5.46	142070	6.85	247186	8.68	198002	13.91	227767	16.97
JD54013-10	65411	4.54	243169	5.46	134516	6.85	231607	8.68	182667	13.91	212244	16.97
JD54013-12	68237	4.54	278343	5.45	140962	6.84	243618	8.68	187459	13.91	212384	16.97
JD54013-13	64846	4.54	176845	5.47	136887	6.85	237891	8.68	192417	13.91	225419	16.97
JD54013-14	61705	4.55	113145[c]	5.47	130277	6.85	226045	8.68	184385	13.92	216512	16.97
ZZZZZZ	71199	4.54	282591	5.45	138228	6.84	236660	8.68	185473	13.91	216983	16.97
JD54013-11	65526	4.54	195411	5.47	138083	6.85	241036	8.68	190710	13.91	216608	16.97

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EP7048-CC7003	**Injection Date:**	10/26/22
Lab File ID:	P152189.D	**Injection Time:**	12:03
Instrument ID:	GCMSP	**Method:**	SW846 8270E

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Internal standard failing low.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EP7050-CC7003	**Injection Date:**	10/27/22
Lab File ID:	P152241.D	**Injection Time:**	14:43
Instrument ID:	GCMSP	**Method:**	SW846 8270E

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	75453	4.51	288510	5.43	147992	6.81	251730	8.63	196741	13.85	229882	16.91
Upper Limit [a]	150906	5.01	577020	5.93	295984	7.31	503460	9.13	393482	14.35	459764	17.41
Lower Limit [b]	37727	4.01	144255	4.93	73996	6.31	125865	8.13	98371	13.35	114941	16.41
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP42633-BSD	62256	4.51	247406	5.43	121307	6.80	205521	8.63	151218	13.84	180102	16.94
OP42633B-BSD	62256	4.51	247406	5.43	121307	6.80	205521	8.63	151218	13.84	180102	16.94
JD54013-1	67048	4.51	271740	5.43	134631	6.80	230310	8.63	178167	13.84	221026	16.90
JD54013-1	70878	4.51	283583	5.43	141285	6.80	246405	8.62	189318	13.83	233186	16.89
JD54013-2	81838	4.51	321875	5.43	159359	6.80	268010	8.62	202579	13.83	253458	16.89
JD54013-5 [c]	68715	4.51	262853	5.43	135096	6.80	236495	8.63	186442	13.83	229443	16.89
JD54013-5	73805	4.51	294358	5.43	145011	6.80	249089	8.62	188283	13.83	232791	16.89
JD54013-6	72690	4.51	285750	5.43	139817	6.80	238533	8.62	182809	13.83	228456	16.89
JD54013-6	76065	4.51	296927	5.43	143250	6.80	238400	8.62	176287	13.83	218636	16.89
JD54013-7	76400	4.51	302925	5.43	148026	6.80	248219	8.62	186957	13.83	233555	16.89
JD54013-9	73203	4.51	285530	5.43	140188	6.80	237575	8.62	178446	13.83	224324	16.89
JD54013-10	72869	4.51	287017	5.43	142347	6.80	240254	8.62	183287	13.83	231559	16.89
JD54013-11	75015	4.51	285786	5.43	143737	6.80	243711	8.62	184372	13.83	230620	16.89
JD54013-11	74535	4.51	294638	5.43	144656	6.80	244104	8.62	185848	13.83	232979	16.88
JD54013-13	72297	4.51	293927	5.43	145702	6.80	248737	8.62	190205	13.83	237229	16.89
JD54013-13	76166	4.51	300265	5.43	147186	6.80	247858	8.62	185144	13.83	234577	16.88
JD54013-14	68373	4.51	271576	5.43	140739	6.80	243693	8.62	191773	13.83	241641	16.88
JD54013-14	74150	4.51	295443	5.42	146515	6.80	246900	8.62	190799	13.83	241699	16.88

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to matrix interference.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EP7051-CC7003	**Injection Date:**	10/28/22
Lab File ID:	P152272.D	**Injection Time:**	12:38
Instrument ID:	GCMSP	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	85549	4.50	336283	5.42	168134	6.79	290286	8.61	226365	13.82	252658	16.86
Upper Limit [a]	171098	5.00	672566	5.92	336268	7.29	580572	9.11	452730	14.32	505316	17.36
Lower Limit [b]	42775	4.00	168142	4.92	84067	6.29	145143	8.11	113183	13.32	126329	16.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP42729-MB1	63741	4.50	252461	5.42	124525	6.79	209055	8.60	149500	13.81	180978	16.86
OP42729-BS1	77521	4.50	303350	5.42	150826	6.79	250059	8.60	172110	13.81	199942	16.86
OP42746-MB1	69908	4.50	279389	5.42	135697	6.79	232845	8.60	164022	13.81	202620	16.86
OP42746B-MB1	69908	4.50	279389	5.42	135697	6.79	232845	8.60	164022	13.81	202620	16.86
OP42746B-BS1	69588	4.50	269991	5.42	132564	6.79	222090	8.60	165987	13.81	191645	16.86
OP42746-BS1	69588	4.50	269991	5.42	132564	6.79	222090	8.60	165987	13.81	191645	16.86
OP42746B-BSD	72196	4.50	278694	5.42	135433	6.79	232080	8.60	167932	13.81	197084	16.86
OP42746-BSD	72196	4.50	278694	5.42	135433	6.79	232080	8.60	167932	13.81	197084	16.86
ZZZZZZ	69697	4.50	280423	5.42	138842	6.79	234696	8.60	167505	13.81	204861	16.86
ZZZZZZ	69697	4.50	280423	5.42	138842	6.79	234696	8.60	167505	13.81	204861	16.86
ZZZZZZ	70020	4.50	274525	5.42	132039	6.79	228987	8.60	175705	13.81	215752	16.86
ZZZZZZ	73337	4.50	280919	5.42	132743	6.79	231449	8.60	171434	13.81	209801	16.86
ZZZZZZ	70421	4.50	284761	5.42	138644	6.79	237851	8.60	174525	13.81	213376	16.86
ZZZZZZ	70855	4.50	284976	5.42	139223	6.79	238870	8.60	170462	13.81	210192	16.86
ZZZZZZ	69734	4.50	274047	5.42	138270	6.79	230759	8.60	170840	13.81	212544	16.86
ZZZZZZ	73305	4.50	293413	5.42	144413	6.79	243550	8.60	175720	13.81	213860	16.86
ZZZZZZ	70849	4.50	286165	5.42	140771	6.79	234751	8.60	173384	13.81	211671	16.86
ZZZZZZ	71915	4.50	285948	5.42	141290	6.79	241021	8.60	174047	13.81	209116	16.86
ZZZZZZ	72136	4.50	289404	5.42	142088	6.79	238732	8.60	178657	13.81	219661	16.86
ZZZZZZ	74434	4.50	298391	5.42	148847	6.79	247569	8.60	179983	13.81	220669	16.86
OP42729-MS	76110	4.50	261240	5.43	146816	6.79	247494	8.62	190490	13.82	235568	16.86
OP42729-MSD	76203	4.50	260610	5.43	145589	6.79	247460	8.62	192144	13.82	235055	16.86
JD54108-1	73713	4.50	260079	5.43	143400	6.79	244337	8.62	188070	13.82	232906	16.86
JD54013-2	75431	4.50	306377	5.42	152934	6.79	262405	8.60	197664	13.81	239250	16.86
ZZZZZZ	94546	4.50	377466	5.42	186192	6.79	301694	8.60	197645	13.81	208387	16.85
ZZZZZZ	83238	4.50	323296	5.42	161855	6.79	264912	8.60	183921	13.81	201996	16.86
ZZZZZZ	89953	4.50	356323	5.42	175156	6.79	287695	8.60	193846	13.81	203582	16.86
ZZZZZZ	85088	4.50	337413	5.42	167394	6.79	272205	8.60	188621	13.81	199855	16.86

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	EP7051-CC7003	**Injection Date:**	10/28/22
Lab File ID:	P152272.D	**Injection Time:**	12:38
Instrument ID:	GCMSP	**Method:**	SW846 8270E

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD54013-1	P152246.D	72* [a]	22	66	81	54	27
JD54013-1	P152201.D	94* [b]	22	72	113	54	26
JD54013-1	P152247.D	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]
JD54013-2	P152202.D	30	18	62	100	56	29
JD54013-2	P152295.D	0* [a]	0* [a]	0* [a]	78	96	41
JD54013-2	P152248.D	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]
JD54013-3	P152203.D	22	15	55	56	52	48
JD54013-5	P152250.D	28	14	42	55	49	24
JD54013-5	P152251.D	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]
JD54013-6	P152252.D	15	13	39	58	49	20
JD54013-6	P152253.D	0* [a]	0* [a]	0* [a]	54	50	0* [a]
JD54013-6	P152207.D	34	15	44	80	49	20
JD54013-7	P152254.D	0* [a]	0* [a]	0* [a]	92	86	0* [a]
JD54013-7	P152208.D	41	13	52	63	42	23
JD54013-8	P152209.D	19	13	52	59	54	29
JD54013-9	P152255.D	0* [a]	0* [a]	0* [a]	49	45	0* [a]
JD54013-9	P152210.D	15	10	28	52	41	23
JD54013-10	P152211.D	21	14	49	66	48	27
JD54013-10	P152256.D	0* [a]	0* [a]	0* [a]	54	50	0* [a]
JD54013-11	P152257.D	12	11	34	54	44	20
JD54013-11	P152258.D	0* [a]	0* [a]	0* [a]	0* [a]	46	0* [a]
JD54013-11	P152216.D	28	13	40	78	41	20
JD54013-12	P152212.D	19	13	56	53	49	24
JD54013-13	P152260.D	0* [a]	0* [a]	0* [a]	56	31* [a]	0* [a]
JD54013-13	P152259.D	77* [a]	9* [a]	22	60	33* [a]	21
JD54013-13	P152213.D	87* [b]	13	28	89	32* [b]	21
JD54013-14	P152214.D	123* [c]	15	32	184* [c]	57	42
JD54013-14	P152262.D	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]
JD54013-14	P152261.D	116* [a]	13	24	78	58	40
JD54013-15	F210469.D	18	16	74	63	65	31
JD54013-16	F210438.D	33	23	93	73	78	46
JD54013-17	F210439.D	14	11	71	51	54	27
JD54013-18	F210440.D	24	17	83	63	67	43
JD54013-19	F210576.D	37	20	99	101	86	25
JD54013-19	F210471.D	26	16	63	72	59	17
JD54013-20	F210442.D	19	13	46	58	48	21
JD54013-20	F210473.D	17	10	48	62	50	23
JD54013-21	F210443.D	29	20	72	83	57	17
JD54013-21	F210476.D	0* [a]	0* [a]	0* [a]	79	71	0* [a]
JD54013-21	F210474.D	32	22	77	89	66	20

Surrogate Recovery Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Method: SW846 8270E **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD54013-22	F210578.D	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]	0* [a]
JD54013-22	F210475.D	22	21	65	68	56	20
JD54013-22	F210444.D	74* [d]	20	76	84	57	21
OP42633-BS1	P152193.D	34	24	71	67	64	61
OP42633-BSD	P152244.D	38	27	73	79	72	62
OP42633-MB1	P152192.D	61	39	105	98	90	120
OP42633-MS	P152198.D	28	21	76	64	68	50
OP42633-MSD	P152199.D	37	27	83	90	81	58
OP42699-BS1	F210429.D	28	20	75	74	76	82
OP42699-BSD	F210430.D	27	19	71	71	71	81
OP42699-MB1	F210428.D	23	16	69	58	58	73

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-71%
S2 = Phenol-d5	10-58%
S3 = 2,4,6-Tribromophenol	22-144%
S4 = Nitrobenzene-d5	28-118%
S5 = 2-Fluorobiphenyl	34-116%
S6 = Terphenyl-d14	10-127%

(a) Outside control limits due to dilution.
(b) Outside of in house control limits.
(c) Outside control limits due to matrix interference.
(d) Outside of in house control limits, but within reasonable method recovery limits.

Initial Calibration Summary

Job Number: JD54013 **Sample:** EF9252-ICC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209865.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Initial Calibration

Calibration Files
2 =F209864.D 5 =F209866.D 25 =F209867.D 80 =F209863.D
100 =F209861.D 50 =F209865.D 10 =F209868.D 1 =F209862.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.496	0.481	0.511	0.509	0.524	0.526	0.565	0.656	0.533	10.37
3) Pyridine	1.211	1.190	1.410	1.384	1.429	1.351	1.259	1.236	1.309	7.29
4) N-Nitrosodim	0.685	0.582	0.596	0.596	0.624	0.599	0.596	0.444	0.590	11.43
5) 2-Fluorophen	1.156	1.188	1.278	1.246	1.337	1.269	1.217	1.138	1.229	5.44
6) Indene	2.084	2.030	2.164	2.025	2.073	2.071	2.179	1.970	2.074	3.38
7) Cumene	2.653	2.638	2.719	2.652	2.735	2.692	2.619	2.559	2.658	2.14
8) Phenol-d5	1.382	1.408	1.528	1.431	1.475	1.473	1.507	1.290	1.437	5.36
9) Phenol	1.534	1.523	1.542	1.449	1.488	1.498	1.542	1.363	1.492	4.09
10) Aniline	1.653	1.791	1.909	1.780	1.846	1.816	1.842	1.544	1.773	6.66
11) bis(2-Chloro	1.076	1.135	1.192	1.144	1.181	1.166	1.121	1.020	1.130	5.07
12) 2-Chlorophen	1.238	1.275	1.368	1.334	1.379	1.361	1.339	1.127	1.303	6.60
13) Decane	1.148	1.129	1.131	0.994	1.024	1.068	1.183	1.138	1.102	5.99
14) 1,3-Dichloro	1.525	1.540	1.521	1.441	1.494	1.487	1.516	1.449	1.497	2.41
15) 1,4-Dichloro	1.518	1.534	1.541	1.443	1.456	1.492	1.519	1.544	1.506	2.57
16) Benzyl alcoh	0.726	0.737	0.797	0.766	0.788	0.788	0.778	0.669	0.756	5.73
17) 1,2-Dichloro	1.502	1.391	1.443	1.372	1.400	1.391	1.454	1.347	1.412	3.56
18) Acetophenone	1.535	1.495	1.643	1.543	1.560	1.570	1.594	1.494	1.554	3.20
19) 2-Methylphen	1.000	1.041	1.100	1.022	1.061	1.048	1.076	0.904	1.031	5.83
20) 2,2'-oxybis(	0.342	0.329	0.344	0.316	0.332	0.329	0.324	0.336	0.332	2.75
21) 3&4-Methylph	1.115	1.093	1.147	1.061	1.056	1.091	1.132	1.044	1.092	3.42
22) n-Nitroso-di	0.732	0.770	0.830	0.780	0.768	0.828	0.807	0.685	0.775	6.36
23) Hexachloroet	0.603	0.568	0.607	0.562	0.551	0.579	0.565	0.546	0.573	3.93
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.304	0.322	0.345	0.331	0.334	0.346	0.330	0.304	0.327	4.94
26) Nitrobenzene	0.339	0.326	0.352	0.330	0.327	0.343	0.353	0.323	0.337	3.49
27) Quinoline	0.599	0.627	0.673	0.661	0.652	0.689	0.664	0.613	0.647	4.81
28) Isophorone	0.557	0.574	0.616	0.580	0.595	0.612	0.601	0.553	0.586	4.05
29) 2-Nitropheno	0.185	0.176	0.207	0.193	0.196	0.206	0.203	0.162	0.191	8.33
30) 2,4-Dimethyl	0.303	0.310	0.337	0.321	0.311	0.332	0.324	0.293	0.316	4.68
31) Benzoic acid		0.165	0.246	0.273	0.259	0.259	0.203		0.234	17.78
32) bis(2-Chloro	0.363	0.362	0.396	0.372	0.359	0.385	0.398	0.361	0.374	4.35
33) 2,4-Dichloro	0.299	0.285	0.316	0.294	0.291	0.313	0.302	0.245	0.293	7.54
34) 2,6-Dichloro	0.292	0.288	0.311	0.288	0.282	0.301	0.300	0.285	0.293	3.36
35) 1,3,5-Trichl	0.352	0.365	0.368	0.341	0.326	0.362	0.374	0.375	0.358	4.81
36) 1,2,4-Trichl	0.362	0.352	0.356	0.342	0.328	0.356	0.359	0.340	0.349	3.31
37) 1,2,3-Trichl	0.328	0.347	0.341	0.323	0.314	0.339	0.334	0.317	0.330	3.55
38) Naphthalene	1.038	1.001	1.039	0.958	0.923	1.001	1.051	1.033	1.005	4.45
39) 4-Chloroanil	0.410	0.404	0.441	0.408	0.391	0.421	0.439	0.404	0.415	4.23
40) 2,3-Dichloro	0.321	0.334	0.355	0.337	0.328	0.362	0.361	0.322	0.340	5.02
41) Hydroquinone	0.247	0.283	0.292	0.310	0.308	0.297	0.311	0.260	0.288	8.28
42) Hexachlorobu	0.191	0.199	0.206	0.197	0.187	0.205	0.207	0.207	0.200	3.83
43) 4-Chloro-3-m	0.244	0.241	0.269	0.261	0.258	0.269	0.260	0.256	0.257	3.95
44) 2-Methylnaph	0.557	0.555	0.595	0.562	0.541	0.579	0.593	0.552	0.567	3.53
45) 1-Methylnaph	0.608	0.592	0.654	0.606	0.583	0.644	0.647	0.633	0.621	4.33

Initial Calibration Summary

Job Number: JD54013 **Sample:** EF9252-ICC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209865.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

46)	I Acenaphthene-d10	ISTD									
47)	Hexachlorocy	0.306	0.323	0.376	0.365	0.369	0.373	0.341	0.273	0.341	11.00
48)	1,2,4,5-tetr	0.665	0.626	0.646	0.607	0.616	0.641	0.613	0.614	0.629	3.22
49)	2,4,6-Trichl	0.373	0.380	0.427	0.399	0.406	0.426	0.413	0.346	0.396	7.07
50)	2,4,5-Trichl	0.393	0.409	0.460	0.445	0.447	0.463	0.427	0.346	0.424	9.39
51)	2-Fluorobiph	1.402	1.309	1.394	1.264	1.304	1.363	1.326	1.309	1.334	3.61
52)	2-Chloronaph	1.209	1.186	1.226	1.148	1.137	1.239	1.239	1.111	1.187	4.16
53)	Biphenyl	1.489	1.436	1.496	1.379	1.349	1.455	1.480	1.429	1.439	3.68
54)	2-Nitroanili	0.273	0.279	0.305	0.297	0.316	0.311	0.296	0.255	0.292	7.13
55)	Dimethylphth	1.341	1.251	1.367	1.294	1.299	1.355	1.317	1.194	1.302	4.41
56)	Acenaphthyle	1.539	1.477	1.615	1.545	1.556	1.598	1.589	1.462	1.548	3.55
57)	2,6-Dinitrot	0.257	0.273	0.314	0.314	0.323	0.326	0.298	0.272	0.297	8.98
58)	3-Nitroanili	0.280	0.309	0.363	0.347	0.344	0.360	0.328	0.265	0.325	11.29
59)	Acenaphthene	1.153	1.122	1.193	1.124	1.131	1.173	1.175	1.123	1.149	2.46
60)	2,4-Dinitrop	0.106	0.136	0.216	0.231	0.241	0.237	0.166		0.191	28.44
	----- Quadratic regression -----									Coefficient =	0.9984
	Response Ratio = -0.01528 + 0.21962 *A + 0.00488 *A^2										
61)	4-Nitropheno	0.119	0.134	0.165	0.165	0.176	0.175	0.152		0.155	13.84
62)	Dibenzofuran	1.635	1.614	1.671	1.519	1.549	1.629	1.632	1.654	1.613	3.24
63)	2,4-Dinitrot	0.365	0.357	0.418	0.406	0.427	0.429	0.397	0.316	0.389	10.27
64)	2,3,4,6-Tetr	0.302	0.317	0.348	0.359	0.362	0.361	0.323	0.303	0.334	7.75
65)	Diethylphtha	1.228	1.213	1.336	1.294	1.332	1.366	1.267	1.208	1.281	4.75
66)	Fluorene	1.219	1.232	1.298	1.237	1.295	1.330	1.288	1.225	1.265	3.32
67)	4-Chlorophen	0.618	0.626	0.656	0.628	0.639	0.658	0.613	0.605	0.630	3.07
68)	4-Nitroanili	0.246	0.283	0.349	0.349	0.360	0.362	0.317	0.234	0.312	16.64
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.100	0.145	0.150	0.151	0.148	0.121		0.136	15.25
71)	n-Nitrosodip	0.577	0.573	0.618	0.596	0.590	0.609	0.599	0.549	0.589	3.75
72)	1,2-Diphenyl	0.656	0.645	0.695	0.649	0.638	0.666	0.694	0.576	0.652	5.76
73)	2,4,6-Tribro	0.105	0.107	0.118	0.119	0.119	0.118	0.113		0.114	4.91
74)	4-Bromopheny	0.187	0.196	0.207	0.210	0.207	0.208	0.195	0.206	0.202	4.10
75)	Hexachlorobe	0.223	0.230	0.243	0.245	0.242	0.245	0.241	0.208	0.235	5.66
76)	Pentachlorop	0.122	0.137	0.167	0.169	0.168	0.167	0.152	0.111	0.149	15.46
77)	Phenanthrene	1.003	1.002	1.072	1.019	1.007	1.046	1.027	1.032	1.026	2.36
78)	Anthracene	0.935	0.983	1.084	1.036	1.037	1.069	1.021	0.923	1.011	5.84
79)	Carbazole	0.825	0.904	1.005	0.960	0.959	0.993	0.948	0.823	0.927	7.59
80)	Di-n-butylph	1.032	1.077	1.271	1.263	1.265	1.272	1.157	1.000	1.167	9.97
81)	Fluoranthene	0.928	1.000	1.121	1.123	1.125	1.140	1.050	0.914	1.050	8.81
82)	Octadecane	0.304	0.326	0.365	0.349	0.343	0.367	0.361	0.298	0.339	8.03
83)	I Chrysene-d12	ISTD									
84)	Benzidine		0.603	0.705	0.771	0.703	0.741	0.637		0.693	9.09
85)	Pyrene	1.313	1.390	1.468	1.398	1.376	1.455	1.430	1.285	1.389	4.63
86)	Terphenyl-d1	0.914	0.913	0.970	0.977	0.962	0.980	0.948	0.859	0.940	4.48
87)	Butylbenzylp	0.494	0.539	0.670	0.687	0.679	0.692	0.597	0.440	0.600	16.40
88)	Benzo[a]anth	1.186	1.166	1.255	1.284	1.263	1.296	1.178	1.133	1.220	5.03
89)	3,3'-Dichlor	0.368	0.416	0.482	0.517	0.512	0.523	0.454	0.328	0.450	16.30
90)	Chrysene	1.224	1.231	1.272	1.258	1.241	1.313	1.241	1.162	1.243	3.46
91)	bis(2-Ethylh	0.608	0.731	0.921	0.979	0.966	0.985	0.817		0.858	16.92
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph	0.838	1.058	1.564	1.664	1.618	1.658	1.269		1.381	23.98
	----- Quadratic regression -----									Coefficient =	0.9987
	Response Ratio = -0.05350 + 1.64048 *A + 0.01083 *A^2										
94)	Benzo[b]fluo	1.028	1.095	1.219	1.324	1.348	1.259	1.165	0.994	1.179	11.19
95)	Benzo[k]fluo	1.063	1.087	1.270	1.161	1.067	1.279	1.192	0.999	1.140	8.99

8.7.1

8

Initial Calibration Summary

Job Number: JD54013 **Sample:** EF9252-ICC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209865.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

96)	Benzo[a]pyre	0.890	0.981	1.157	1.205	1.171	1.197	1.036	0.806	1.056	14.38
97)	Indeno[1,2,3	0.757	0.790	0.974	1.016	0.993	1.016	0.874	0.683	0.888	14.74
98)	Dibenz(a,h)a	0.661	0.704	0.888	0.958	0.940	0.957	0.804	0.611	0.816	17.29
99)	Dibenz[a,h]a	0.841	0.871	1.043	1.088	1.055	1.081	0.963	0.794	0.967	12.09
100)	7,12-Dimethy	0.433	0.485	0.529	0.579	0.565	0.554	0.530	0.399	0.509	12.71
101)	Benzo[g,h,i]	0.923	0.964	1.133	1.146	1.126	1.164	1.026	0.916	1.050	9.98

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF9252.M Tue Sep 27 15:33:00 2022

Initial Calibration Summary

Job Number: JD54013 **Sample:** EF9253-ICC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209872.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9253.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Sep 26 13:46:46 2022
Response via : Initial Calibration

Calibration Files
2 =F209876.D 5 =F209875.D 25 =F209873.D 80 =F209871.D
100 =F209870a.D 50 =F209872.D 10 =F209874.D 1 =F209877.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
157) I 1,4-Dichlorobenzene-d	ISTD									
158) Benzaldehyde	0.961	0.944	1.005	0.972	1.005	1.000	0.961	0.989	0.980	2.39
159) I Phenanthrene-d10b	ISTD									
160) Atrazine	0.137	0.153	0.181	0.191	0.192	0.182	0.171	0.123	0.167	15.47
161) I Naphthalene-d8b	ISTD									
162) Caprolactam	0.091	0.098	0.118	0.119	0.125	0.117	0.109		0.111	11.16

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF9252.M Mon Sep 26 13:48:04 2022

8.7.2
8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EF9253-ICV9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209878.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9253\F209878.D Vial: 10
Acq On : 24 Sep 2022 11:31 pm Operator: kristis
Sample : icv9253-50 Inst : GCMSF
Misc : op41953,ef9253,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Sep 26 13:46:46 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	101	0.00	3.97
158	Benzaldehyde	0.980	1.012	-3.3	102	0.00	3.64
159 I	Phenanthrene-d10b	1.000	1.000	0.0	99	0.00	7.67
160	Atrazine	0.167	0.185	-10.8	100	0.00	7.40
161 I	Naphthalene-d8b	1.000	1.000	0.0	98	0.00	4.89
162	Caprolactam	0.111	0.122	-9.9	102	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Mon Sep 26 13:53:43 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209892.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209892.D Vial: 14
Acq On : 27 Sep 2022 9:44 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	-0.01	3.96
2	t	1,4-Dioxane	0.533	0.491	7.9	87	-0.02	1.32
6	t	Indene	2.074	2.041	1.6	92	-0.01	4.15
7	t	Cumene	2.658	2.451	7.8	85	-0.02	3.34
11	t	bis(2-Chloroethyl)ether	1.130	1.090	3.5	87	-0.02	3.78
13	t	Decane	1.102	1.117	-1.4	97	-0.02	3.86
14	t	1,3-Dichlorobenzene	1.497	1.420	5.1	89	-0.01	3.92
15	t	1,4-Dichlorobenzene	1.506	1.464	2.8	91	-0.01	3.97
16	t	Benzyl alcohol	0.756	0.748	1.1	88	-0.02	4.09
17	t	1,2-Dichlorobenzene	1.412	1.376	2.5	92	-0.01	4.08
18	t	Acetophenone	1.554	1.515	2.5	90	-0.02	4.27
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.328	1.2	93	-0.01	4.19
23	t	Hexachloroethane	0.573	0.532	7.2	85	-0.02	4.33
24	I	Naphthalene-d8	1.000	1.000	0.0	96	-0.01	4.89
26	t	Nitrobenzene	0.337	0.329	2.4	92	-0.02	4.39
27	t	Quinoline	0.647	0.616	4.8	85	-0.02	5.14
28	t	Isophorone	0.586	0.567	3.2	89	-0.02	4.57
32	t	bis(2-Chloroethoxy)methan	0.374	0.363	2.9	90	-0.02	4.74
35		1,3,5-Trichlorobenzene	0.358	0.340	5.0	90	-0.01	4.63
36	t	1,2,4-Trichlorobenzene	0.349	0.329	5.7	88	-0.01	4.85
37		1,2,3-Trichlorobenzene	0.330	0.321	2.7	91	-0.01	5.01
38	t	Naphthalene	1.005	0.969	3.6	93	-0.01	4.90
40	t	2,3-Dichloroaniline	0.340	0.337	0.9	89	-0.02	5.59
42	t	Hexachlorobutadiene	0.200	0.182	9.0	85	-0.02	4.99
44	t	2-Methylnaphthalene	0.567	0.521	8.1	86	-0.01	5.40
45	t	1-Methylnaphthalene	0.621	0.587	5.5	87	-0.02	5.46
46	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.02	6.13
47	t	Hexachlorocyclopentadiene	0.341	0.433	-27.0	109	-0.01	5.51
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.607	3.5	89	-0.01	5.51
52	t	2-Chloronaphthalene	1.187	1.167	1.7	88	-0.02	5.73
53	t	Biphenyl	1.439	1.402	2.6	90	-0.02	5.73
55	t	Dimethylphthalate	1.302	1.232	5.4	85	-0.02	5.96
56	t	Acenaphthylene	1.548	1.842	-19.0	108	-0.02	6.03
57	t	2,6-Dinitrotoluene	0.297	0.289	2.7	83	-0.02	6.00
59	t	Acenaphthene	1.149	1.174	-2.2	94	-0.02	6.16
62	t	Dibenzofuran	1.613	1.557	3.5	90	-0.02	6.30
63	t	2,4-Dinitrotoluene	0.389	0.379	2.6	83	-0.02	6.31
65	t	Diethylphthalate	1.281	1.212	5.4	83	-0.03	6.53
66	t	Fluorene	1.265	1.234	2.5	87	-0.03	6.60
67	t	4-Chlorophenyl-phenylethe	0.630	0.588	6.7	84	-0.02	6.62

Initial Calibration Verification

Job Number: JD54013 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209892.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

69	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.03	7.64
72	t	1,2-Diphenylhydrazine	0.652	0.684	-4.9	92	-0.02	6.77
74	t	4-Bromophenyl-phenylether	0.202	0.189	6.4	81	-0.03	7.13
75	t	Hexachlorobenzene	0.235	0.225	4.3	82	-0.03	7.16
77	t	Phenanthrene	1.026	0.987	3.8	85	-0.03	7.68
78	t	Anthracene	1.011	0.994	1.7	83	-0.03	7.75
79	t	Carbazole	0.927	0.930	-0.3	84	-0.03	8.00
80	t	Di-n-butylphthalate	1.167	1.196	-2.5	84	-0.03	8.67
81	t	Fluoranthene	1.050	1.041	0.9	82	-0.04	9.55
82	t	Octadecane	0.339	0.366	-8.0	89	-0.03	7.63
83	I	Chrysene-d12	1.000	1.000	0.0	86	-0.04	12.46
85	t	Pyrene	1.389	1.388	0.1	82	-0.04	9.95
87	t	Butylbenzylphthalate	0.600	0.640	-6.7	79	-0.04	11.58
88	t	Benzo[a]anthracene	1.220	1.204	1.3	80	-0.04	12.44
90	t	Chrysene	1.243	1.159	6.8	76	-0.05	12.51
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.882	-2.8	77	-0.04	12.99
92	I	Perylene-d12	1.000	1.000	0.0	82	-0.05	15.41
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	47.433	5.1	76	-0.04	14.42
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.192	-1.1	78	-0.05	14.69
95	t	Benzo[k]fluoranthene	1.140	1.209	-6.1	78	-0.05	14.75
96	t	Benzo[a]pyrene	1.056	1.028	2.7	71	-0.05	15.29
97	t	Indeno[1,2,3-cd]pyrene	0.888	0.937	-5.5	76	-0.05	17.32
98	t	Dibenz(a,h)acridine	0.816	0.855	-4.8	73	-0.05	16.99
99	t	Dibenz[a,h]anthracene	0.967	1.006	-4.0	77	-0.05	17.41
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.531	-4.3	79	-0.05	14.72
101	t	Benzo[g,h,i]perylene	1.050	1.094	-4.2	77	-0.06	17.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:33 2022

8.7.4

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209893.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209893.D Vial: 15
Acq On : 27 Sep 2022 10:10 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.01	3.96
9	t	Phenol	1.492	1.514	-1.5	95	-0.02	3.74
12	t	2-Chlorophenol	1.303	1.325	-1.7	92	-0.02	3.81
19	t	2-Methylphenol	1.031	1.072	-4.0	96	-0.02	4.19
21	t	3&4-Methylphenol	1.092	1.111	-1.7	96	-0.02	4.31
24	I	Naphthalene-d8	1.000	1.000	0.0	98	-0.01	4.89
29	t	2-Nitrophenol	0.191	0.195	-2.1	93	-0.01	4.62
30	t	2,4-Dimethylphenol	0.316	0.313	0.9	93	-0.01	4.68
31	t	Benzoic acid	0.234	0.169	27.8	64	-0.03	4.78
33	t	2,4-Dichlorophenol	0.293	0.291	0.7	91	-0.02	4.80
34		2,6-Dichlorophenol	0.293	0.293	0.0	96	-0.02	4.96
41	t	Hydroquinone	0.288	0.312	-8.3	103	-0.02	5.22
43	t	4-Chloro-3-methylphenol	0.257	0.251	2.3	92	-0.02	5.32
46	I	Acenaphthene-d10	1.000	1.000	0.0	97	-0.02	6.13
49	t	2,4,6-Trichlorophenol	0.396	0.399	-0.8	91	-0.02	5.60
50	t	2,4,5-Trichlorophenol	0.424	0.434	-2.4	91	-0.02	5.63
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	89.603	10.4	82	-0.02	6.20
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.155	0.156	-0.6	86	-0.02	6.29
64		2,3,4,6-Tetrachlorophenol	0.334	0.324	3.0	87	-0.02	6.42
69	I	Phenanthrene-d10	1.000	1.000	0.0	91	-0.03	7.64
70	t	4,6-Dinitro-2-methylpheno	0.136	0.130	4.4	81	-0.03	6.67
76	t	Pentachlorophenol	0.149	0.159	-6.7	87	-0.03	7.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:36 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209894.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209894.D Vial: 16
Acq On : 27 Sep 2022 10:35 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	-0.01	3.96
3	t	Pyridine	1.309	1.342	-2.5	92	-0.02	1.58
4	t	N-Nitrosodimethylamine	0.590	0.577	2.2	89	-0.02	1.56
10	t	Aniline	1.773	1.830	-3.2	93	-0.02	3.72
22		n-Nitroso-di-n-propylamin	0.775	0.795	-2.6	89	-0.02	4.28
24	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.01	4.89
39	t	4-Chloroaniline	0.415	0.425	-2.4	96	-0.02	4.95
46	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.02	6.13
54	t	2-Nitroaniline	0.292	0.292	0.0	90	-0.02	5.82
58	t	3-Nitroaniline	0.325	0.338	-4.0	90	-0.02	6.12
68	t	4-Nitroaniline	0.312	0.330	-5.8	87	-0.03	6.65
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	-0.03	7.64
71	t	n-Nitrosodiphenylamine	0.589	0.609	-3.4	88	-0.02	6.74
83	I	Chrysene-d12	1.000	1.000	0.0	79	-0.05	12.45
84	t	Benzidine	0.693	0.878	-26.7	94	-0.04	9.92
89	t	3,3'-Dichlorobenzidine	0.450	0.504	-12.0	76	-0.04	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:38 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** EF9254-ICV9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F209895.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9254\F209895.D Vial: 17
Acq On : 27 Sep 2022 11:01 am Operator: chriss2
Sample : icv9252-50 Inst : GCMSF
Misc : op41953,ef9254,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Sep 27 15:13:54 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	-0.01	3.96
5	S	2-Fluorophenol	1.229	1.044	15.1	113	-0.01	2.95
8	S	Phenol-d5	1.437	1.196	16.8	111	-0.02	3.74
24	I	Naphthalene-d8	1.000	1.000	0.0	143	-0.01	4.89
25	S	Nitrobenzene-d5	0.327	0.289	11.6	120	-0.02	4.37
46	I	Acenaphthene-d10	1.000	1.000	0.0	137	-0.02	6.13
51	S	2-Fluorobiphenyl	1.334	1.128	15.4	114	-0.02	5.66
69	I	Phenanthrene-d10	1.000	1.000	0.0	130	-0.03	7.64
73	S	2,4,6-Tribromophenol	0.114	0.086	24.6	95	-0.02	6.84
83	I	Chrysene-d12	1.000	1.000	0.0	110	-0.05	12.46
86	S	Terphenyl-d14	0.940	0.883	6.1	99	-0.04	10.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209872A.D MF9252.M Tue Sep 27 15:24:40 2022

8.7.7

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9279-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210425.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\altheam\ef9279\f210425.d Vial: 2
Acq On : 26 Oct 2022 2:06 pm Operator: haroldl
Sample : cc9252-50 Inst : GCMSF
Misc : op42699,ef9279,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 26 22:53:44 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	160	0.00	3.79
2	t	1,4-Dioxane	0.533	0.475	10.9	144	0.00	1.15
3	t	Pyridine	1.309	1.292	1.3	153	0.00	1.37
4	t	N-Nitrosodimethylamine	0.590	0.587	0.5	157	0.00	1.35
5	S	2-Fluorophenol	1.229	1.247	-1.5	157	0.00	2.73
6	t	Indene	2.074	2.252	-8.6	174	0.00	3.98
7	t	Cumene	2.658	2.852	-7.3	169	0.00	3.15
8	S	Phenol-d5	1.437	1.530	-6.5	166	0.00	3.56
9	t	Phenol	1.492	1.700	-13.9	181	0.00	3.57
10	t	Aniline	1.773	1.878	-5.9	165	0.00	3.55
11	t	bis(2-Chloroethyl)ether	1.130	1.138	-0.7	156	0.00	3.62
12	t	2-Chlorophenol	1.303	1.428	-9.6	168	0.00	3.63
13	t	Decane	1.102	0.984	10.7	147	0.00	3.70
14	t	1,3-Dichlorobenzene	1.497	1.515	-1.2	163	0.00	3.74
15	t	1,4-Dichlorobenzene	1.506	1.577	-4.7	169	0.00	3.80
16	t	Benzyl alcohol	0.756	0.825	-9.1	167	0.00	3.93
17	t	1,2-Dichlorobenzene	1.412	1.536	-8.8	177	0.00	3.91
18	t	Acetophenone	1.554	1.746	-12.4	178	0.00	4.11
19	t	2-Methylphenol	1.031	1.145	-11.1	175	0.00	4.02
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.357	-7.5	174	0.00	4.03
21	t	3&4-Methylphenol	1.092	1.204	-10.3	176	0.00	4.15
22		n-Nitroso-di-n-propylamin	0.775	0.857	-10.6	165	0.00	4.13
23	t	Hexachloroethane	0.573	0.593	-3.5	163	0.00	4.16
24	I	Naphthalene-d8	1.000	1.000	0.0	172	0.00	4.72
25	S	Nitrobenzene-d5	0.327	0.340	-4.0	169	0.00	4.21
26	t	Nitrobenzene	0.337	0.348	-3.3	175	0.00	4.23
27	t	Quinoline	0.647	0.683	-5.6	170	0.00	4.99
28	t	Isophorone	0.586	0.618	-5.5	174	0.00	4.42
29	t	2-Nitrophenol	0.191	0.204	-6.8	170	0.00	4.46
30	t	2,4-Dimethylphenol	0.316	0.360	-13.9	186	0.00	4.52
31	t	Benzoic acid	0.234	0.273	-16.7	181	0.00	4.66
32	t	bis(2-Chloroethoxy)methan	0.374	0.380	-1.6	170	0.00	4.59
33	t	2,4-Dichlorophenol	0.293	0.309	-5.5	170	0.00	4.64
34		2,6-Dichlorophenol	0.293	0.308	-5.1	176	0.00	4.80
35		1,3,5-Trichlorobenzene	0.358	0.366	-2.2	173	0.00	4.46
36	t	1,2,4-Trichlorobenzene	0.349	0.351	-0.6	169	0.00	4.69
37		1,2,3-Trichlorobenzene	0.330	0.345	-4.5	175	0.00	4.84
38	t	Naphthalene	1.005	1.034	-2.9	177	0.00	4.74
39	t	4-Chloroaniline	0.415	0.440	-6.0	180	0.00	4.80
40	t	2,3-Dichloroaniline	0.340	0.364	-7.1	173	0.00	5.44
41	t	Hydroquinone	0.288	0.200	30.6#	115	0.00	5.07

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9279-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210425.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42	t	Hexachlorobutadiene	0.200	0.212	-6.0	177	0.00	4.83
43	t	4-Chloro-3-methylphenol	0.257	0.295	-14.8	188	0.00	5.16
44	t	2-Methylnaphthalene	0.567	0.621	-9.5	184	0.00	5.23
45	t	1-Methylnaphthalene	0.621	0.648	-4.3	173	0.00	5.30
46	I	Acenaphthene-d10	1.000	1.000	0.0	176	0.00	5.96
47	t	Hexachlorocyclopentadiene	0.341	0.371	-8.8	175	0.00	5.35
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.631	-0.3	173	0.00	5.35
49	t	2,4,6-Trichlorophenol	0.396	0.423	-6.8	174	0.00	5.44
50	t	2,4,5-Trichlorophenol	0.424	0.450	-6.1	170	0.00	5.46
51	S	2-Fluorobiphenyl	1.334	1.371	-2.8	177	0.00	5.50
52	t	2-Chloronaphthalene	1.187	1.232	-3.8	175	0.00	5.57
53	t	Biphenyl	1.439	1.522	-5.8	184	0.00	5.57
54	t	2-Nitroaniline	0.292	0.322	-10.3	182	0.00	5.66
55	t	Dimethylphthalate	1.302	1.388	-6.6	180	0.00	5.81
56	t	Acenaphthylene	1.548	1.609	-3.9	177	0.00	5.86
57	t	2,6-Dinitrotoluene	0.297	0.322	-8.4	173	0.00	5.84
58	t	3-Nitroaniline	0.325	0.348	-7.1	170	0.00	5.96
59	t	Acenaphthene	1.149	1.225	-6.6	184	0.00	5.99
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	84.688	15.3	140	0.00	6.04
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.201	-29.7#	201#	0.00	6.10
62	t	Dibenzofuran	1.613	1.724	-6.9	186	0.00	6.12
63	t	2,4-Dinitrotoluene	0.389	0.433	-11.3	177	0.00	6.14
64		2,3,4,6-Tetrachlorophenol	0.334	0.361	-8.1	176	0.00	6.22
65	t	Diethylphthalate	1.281	1.438	-12.3	185	0.00	6.35
66	t	Fluorene	1.265	1.336	-5.6	176	0.00	6.40
67	t	4-Chlorophenyl-phenylethe	0.630	0.655	-4.0	175	0.00	6.42
68	t	4-Nitroaniline	0.312	0.327	-4.8	159	0.00	6.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	178	0.01	7.38
70	t	4,6-Dinitro-2-methylpheno	0.136	0.129	5.1	155	0.00	6.48
71	t	n-Nitrosodiphenylamine	0.589	0.615	-4.4	179	0.00	6.54
72	t	1,2-Diphenylhydrazine	0.652	0.666	-2.1	178	0.00	6.56
73	S	2,4,6-Tribromophenol	0.114	0.122	-7.0	184	0.00	6.62
74	t	4-Bromophenyl-phenylether	0.202	0.222	-9.9	190	0.00	6.89
75	t	Hexachlorobenzene	0.235	0.258	-9.8	187	0.00	6.93
76	t	Pentachlorophenol	0.149	0.183	-22.8#	195	0.00	7.17
77	t	Phenanthrene	1.026	1.045	-1.9	177	0.00	7.41
78	t	Anthracene	1.011	1.067	-5.5	177	0.00	7.47
79	t	Carbazole	0.927	0.978	-5.5	175	0.00	7.72
80	t	Di-n-butylphthalate	1.167	1.340	-14.8	187	0.00	8.36
81	t	Fluoranthene	1.050	1.163	-10.8	181	0.00	9.20
82	t	Octadecane	0.339	0.352	-3.8	170	0.00	7.38
83	I	Chrysene-d12	1.000	1.000	0.0	185	0.02	12.06
84	t	Benzidine	0.693	0.468	32.5#	117	0.00	9.58
85	t	Pyrene	1.389	1.412	-1.7	179	0.00	9.58
86	S	Terphenyl-d14	0.940	1.031	-9.7	195	0.00	10.04
87	t	Butylbenzylphthalate	0.600	0.705	-17.5	188	0.00	11.21
88	t	Benzo[a]anthracene	1.220	1.306	-7.0	186	0.00	12.04
89	t	3,3'-Dichlorobenzidine	0.450	0.495	-10.0	175	0.00	12.15
90	t	Chrysene	1.243	1.273	-2.4	179	0.00	12.12
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.994	-15.9	187	0.00	12.62
92	I	Perylene-d12	1.000	1.000	0.0	192	0.01	14.99

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9279-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210425.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	50.764	-1.5	189	0.00	14.04

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.297	-10.0	198	0.00	14.27
95	t	Benzo[k]fluoranthene	1.140	1.209	-6.1	181	0.00	14.34
96	t	Benzo[a]pyrene	1.056	1.210	-14.6	194	0.00	14.88
97	t	Indeno[1,2,3-cd]pyrene	0.888	1.048	-18.0	198	0.00	16.90
98	t	Dibenz(a,h)acridine	0.816	1.000	-22.5#	200#	0.00	16.58
99	t	Dibenz[a,h]anthracene	0.967	1.109	-14.7	197	0.00	16.99
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.543	-6.7	188	0.00	14.31
101	t	Benzo[g,h,i]perylene	1.050	1.151	-9.6	190	0.00	17.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210426.d MF9252.M Wed Oct 26 22:53:57 2022

8.7.8

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9279-CC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210426.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\altheam\ef9279\f210426.d Vial: 3
Acq On : 26 Oct 2022 2:34 pm Operator: haroldl
Sample : cc9253-50 Inst : GCMSF
Misc : op42699,ef9279,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 26 22:53:44 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	172	0.00	3.79
103	Benzaldehyde	0.980	1.033	-5.4	177	0.00	3.46
104 I	Phenanthrene-d10b	1.000	1.000	0.0	185	0.00	7.37
105	Atrazine	0.167	0.202	-21.0#	206#	0.00	7.13
106 I	Naphthalene-d8b	1.000	1.000	0.0	177	0.00	4.72
107	Caprolactam	0.111	0.104	6.3	158	0.00	5.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210426.d MF9252.M Wed Oct 26 22:54:00 2022

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9280-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210454.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\re...2822\ef9280\f210454.d Vial: 2
Acq On : 27 Oct 2022 9:21 am Operator: kaleigh
Sample : cc9252-25 Inst : GCMSF
Misc : op41953,ef9280,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Oct 28 00:11:35 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	3.85
2	t	1,4-Dioxane	0.533	0.452	15.2	106	0.00	1.20
3	t	Pyridine	1.309	1.140	12.9	97	0.00	1.44
4	t	N-Nitrosodimethylamine	0.590	0.576	2.4	116	0.00	1.41
5	S	2-Fluorophenol	1.229	1.214	1.2	114	0.00	2.79
6	t	Indene	2.074	2.130	-2.7	118	0.00	4.03
7	t	Cumene	2.658	2.807	-5.6	124	0.00	3.21
8	S	Phenol-d5	1.437	1.502	-4.5	118	0.00	3.61
9	t	Phenol	1.492	1.634	-9.5	127	0.00	3.62
10	t	Aniline	1.773	1.908	-7.6	120	0.00	3.60
11	t	bis(2-Chloroethyl)ether	1.130	1.129	0.1	114	0.00	3.67
12	t	2-Chlorophenol	1.303	1.345	-3.2	118	0.00	3.69
13	t	Decane	1.102	0.918	16.7	98	0.00	3.75
14	t	1,3-Dichlorobenzene	1.497	1.508	-0.7	119	0.00	3.80
15	t	1,4-Dichlorobenzene	1.506	1.513	-0.5	118	0.00	3.86
16	t	Benzyl alcohol	0.756	0.832	-10.1	126	0.00	3.97
17	t	1,2-Dichlorobenzene	1.412	1.472	-4.2	123	0.00	3.97
18	t	Acetophenone	1.554	1.768	-13.8	129	0.00	4.16
19	t	2-Methylphenol	1.031	1.130	-9.6	124	0.00	4.07
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.354	-6.6	124	0.00	4.08
21	t	3&4-Methylphenol	1.092	1.205	-10.3	126	0.00	4.19
22		n-Nitroso-di-n-propylamin	0.775	0.866	-11.7	126	0.00	4.17
23	t	Hexachloroethane	0.573	0.579	-1.0	115	0.00	4.21
24	I	Naphthalene-d8	1.000	1.000	0.0	129	0.00	4.78
25	S	Nitrobenzene-d5	0.327	0.336	-2.8	125	0.00	4.26
26	t	Nitrobenzene	0.337	0.344	-2.1	126	0.00	4.28
27	t	Quinoline	0.647	0.673	-4.0	129	0.00	5.04
28	t	Isophorone	0.586	0.617	-5.3	129	0.00	4.46
29	t	2-Nitrophenol	0.191	0.202	-5.8	125	0.00	4.51
30	t	2,4-Dimethylphenol	0.316	0.350	-10.8	134	0.00	4.57
31	t	Benzoic acid	0.234	0.284	-21.4#	149	0.00	4.67
32	t	bis(2-Chloroethoxy)methan	0.374	0.372	0.5	121	0.00	4.63
33	t	2,4-Dichlorophenol	0.293	0.299	-2.0	122	0.00	4.69
34		2,6-Dichlorophenol	0.293	0.299	-2.0	124	0.00	4.84
35		1,3,5-Trichlorobenzene	0.358	0.353	1.4	124	0.00	4.51
36	t	1,2,4-Trichlorobenzene	0.349	0.341	2.3	123	0.00	4.74
37		1,2,3-Trichlorobenzene	0.330	0.329	0.3	124	0.00	4.89
38	t	Naphthalene	1.005	1.009	-0.4	125	0.00	4.79
39	t	4-Chloroaniline	0.415	0.442	-6.5	129	0.00	4.84
40	t	2,3-Dichloroaniline	0.340	0.365	-7.4	132	0.00	5.49
41	t	Hydroquinone	0.288	0.237	17.7	105	0.00	5.11

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9280-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210454.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42	t	Hexachlorobutadiene	0.200	0.212	-6.0	132	0.00	4.89
43	t	4-Chloro-3-methylphenol	0.257	0.285	-10.9	136	0.00	5.20
44	t	2-Methylnaphthalene	0.567	0.623	-9.9	135	0.00	5.28
45	t	1-Methylnaphthalene	0.621	0.660	-6.3	130	0.00	5.35
46	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	6.01
47	t	Hexachlorocyclopentadiene	0.341	0.371	-8.8	130	0.00	5.39
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.626	0.5	128	0.00	5.40
49	t	2,4,6-Trichlorophenol	0.396	0.411	-3.8	127	0.00	5.49
50	t	2,4,5-Trichlorophenol	0.424	0.460	-8.5	132	0.00	5.52
51	S	2-Fluorobiphenyl	1.334	1.323	0.8	125	0.00	5.55
52	t	2-Chloronaphthalene	1.187	1.225	-3.2	132	0.00	5.62
53	t	Biphenyl	1.439	1.509	-4.9	133	0.00	5.62
54	t	2-Nitroaniline	0.292	0.308	-5.5	133	0.00	5.70
55	t	Dimethylphthalate	1.302	1.410	-8.3	136	0.00	5.85
56	t	Acenaphthylene	1.548	1.585	-2.4	129	0.00	5.91
57	t	2,6-Dinitrotoluene	0.297	0.318	-7.1	133	0.00	5.89
58	t	3-Nitroaniline	0.325	0.360	-10.8	130	0.00	6.00
59	t	Acenaphthene	1.149	1.235	-7.5	136	0.00	6.04
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	54.007	-8.0	141	0.00	6.08
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.202	-30.3#	161	0.00	6.15
62	t	Dibenzofuran	1.613	1.709	-6.0	135	0.00	6.17
63	t	2,4-Dinitrotoluene	0.389	0.436	-12.1	137	0.00	6.19
64		2,3,4,6-Tetrachlorophenol	0.334	0.362	-8.4	137	0.00	6.28
65	t	Diethylphthalate	1.281	1.449	-13.1	143	0.00	6.40
66	t	Fluorene	1.265	1.341	-6.0	136	0.00	6.46
67	t	4-Chlorophenyl-phenylethe	0.630	0.677	-7.5	136	0.00	6.48
68	t	4-Nitroaniline	0.312	0.344	-10.3	130	0.00	6.51
69	I	Phenanthrene-d10	1.000	1.000	0.0	138	0.00	7.46
70	t	4,6-Dinitro-2-methylpheno	0.136	0.143	-5.1	136	0.00	6.53
71	t	n-Nitrosodiphenylamine	0.589	0.617	-4.8	137	0.00	6.60
72	t	1,2-Diphenylhydrazine	0.652	0.658	-0.9	130	0.00	6.63
73	S	2,4,6-Tribromophenol	0.114	0.125	-9.6	146	0.00	6.69
74	t	4-Bromophenyl-phenylether	0.202	0.222	-9.9	147	0.00	6.97
75	t	Hexachlorobenzene	0.235	0.259	-10.2	147	0.00	7.00
76	t	Pentachlorophenol	0.149	0.181	-21.5#	149	0.00	7.25
77	t	Phenanthrene	1.026	1.046	-1.9	134	0.00	7.49
78	t	Anthracene	1.011	1.071	-5.9	136	0.00	7.56
79	t	Carbazole	0.927	0.994	-7.2	136	0.00	7.80
80	t	Di-n-butylphthalate	1.167	1.333	-14.2	144	0.00	8.46
81	t	Fluoranthene	1.050	1.180	-12.4	145	0.00	9.31
82	t	Octadecane	0.339	0.347	-2.4	131	0.00	7.46
83	I	Chrysene-d12	1.000	1.000	0.0	148	0.00	12.20
84	t	Benzidine	0.693	0.740	-6.8	156	0.00	9.68
85	t	Pyrene	1.389	1.376	0.9	139	0.00	9.70
86	S	Terphenyl-d14	0.940	1.020	-8.5	156	0.00	10.16
87	t	Butylbenzylphthalate	0.600	0.689	-14.8	153	0.00	11.32
88	t	Benzo[a]anthracene	1.220	1.338	-9.7	158	0.00	12.17
89	t	3,3'-Dichlorobenzidine	0.450	0.535	-18.9	165	0.00	12.28
90	t	Chrysene	1.243	1.276	-2.7	149	0.00	12.24
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.973	-13.4	157	0.00	12.74
92	I	Perylene-d12	1.000	1.000	0.0	158	0.00	15.13

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9280-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210454.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	25.264	-1.1	160	0.00	14.16
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.242	-5.3	161	0.00	14.40
95	t	Benzo[k]fluoranthene	1.140	1.192	-4.6	148	0.00	14.47
96	t	Benzo[a]pyrene	1.056	1.171	-10.9	160	0.00	15.01
97	t	Indeno[1,2,3-cd]pyrene	0.888	1.065	-19.9	173	0.00	17.04
98	t	Dibenz(a,h)acridine	0.816	0.964	-18.1	171	0.00	16.71
99	t	Dibenz[a,h]anthracene	0.967	1.098	-13.5	166	0.00	17.12
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.470	7.7	140	0.00	14.44
101	t	Benzo[g,h,i]perylene	1.050	1.150	-9.5	160	0.00	17.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210455.d MF9252.M Fri Oct 28 00:12:53 2022

8.7.10

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9280-CC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210455.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\re...2822\ef9280\f210455.d Vial: 3
Acq On : 27 Oct 2022 9:48 am Operator: kaleigh
Sample : cc9253-25 Inst : GCMSF
Misc : op41953,ef9280,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Oct 28 00:11:35 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	167	0.00	3.85
103	Benzaldehyde	0.980	0.933	4.8	155	0.00	3.51
104 I	Phenanthrene-d10b	1.000	1.000	0.0	192	0.00	7.46
105	Atrazine	0.167	0.193	-15.6	204#	0.00	7.21
106 I	Naphthalene-d8b	1.000	1.000	0.0	181	0.00	4.77
107	Caprolactam	0.111	0.098	11.7	151	0.00	5.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
f210455.d MF9252.M Fri Oct 28 00:12:56 2022

8.7.11
8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9284-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210558.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9284\F210558.D Vial: 2
Acq On : 31 Oct 2022 9:41 am Operator: kaleigh
Sample : cc9252-25 Inst : GCMSF
Misc : op41953,ef9284,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Oct 13 12:34:09 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	63	0.00	3.79
2	t	1,4-Dioxane	0.533	0.506	5.1	63	0.00	1.14
3	t	Pyridine	1.309	1.114	14.9	50	0.00	1.37
4	t	N-Nitrosodimethylamine	0.590	0.632	-7.1	67	-0.01	1.34
5	S	2-Fluorophenol	1.229	1.146	6.8	57	0.00	2.73
6	t	Indene	2.074	2.154	-3.9	63	0.00	3.98
7	t	Cumene	2.658	2.802	-5.4	65	0.00	3.15
8	S	Phenol-d5	1.437	1.491	-3.8	62	0.00	3.55
9	t	Phenol	1.492	1.627	-9.0	67	0.00	3.56
10	t	Aniline	1.773	1.893	-6.8	63	0.00	3.55
11	t	bis(2-Chloroethyl)ether	1.130	1.129	0.1	60	0.00	3.62
12	t	2-Chlorophenol	1.303	1.402	-7.6	65	0.00	3.63
13	t	Decane	1.102	0.887	19.5	50#	0.00	3.70
14	t	1,3-Dichlorobenzene	1.497	1.507	-0.7	63	0.00	3.74
15	t	1,4-Dichlorobenzene	1.506	1.544	-2.5	64	0.00	3.80
16	t	Benzyl alcohol	0.756	0.837	-10.7	67	0.00	3.92
17	t	1,2-Dichlorobenzene	1.412	1.466	-3.8	64	0.00	3.91
18	t	Acetophenone	1.554	1.757	-13.1	68	0.00	4.11
19	t	2-Methylphenol	1.031	1.149	-11.4	66	0.00	4.02
20	t	2,2'-oxybis(1-Chloropropa	0.332	0.369	-11.1	68	0.00	4.03
21	t	3&4-Methylphenol	1.092	1.192	-9.2	66	0.00	4.14
22		n-Nitroso-di-n-propylamin	0.775	0.884	-14.1	68	0.00	4.12
23	t	Hexachloroethane	0.573	0.581	-1.4	61	0.00	4.15
24	I	Naphthalene-d8	1.000	1.000	0.0	69	0.00	4.72
25	S	Nitrobenzene-d5	0.327	0.337	-3.1	67	0.00	4.21
26	t	Nitrobenzene	0.337	0.329	2.4	65	0.00	4.22
27	t	Quinoline	0.647	0.698	-7.9	71	0.00	4.98
28	t	Isophorone	0.586	0.613	-4.6	69	0.00	4.41
29	t	2-Nitrophenol	0.191	0.201	-5.2	67	0.00	4.45
30	t	2,4-Dimethylphenol	0.316	0.347	-9.8	71	0.00	4.51
31	t	Benzoic acid	0.234	0.279	-19.2	78	-0.03	4.61
32	t	bis(2-Chloroethoxy)methan	0.374	0.368	1.6	64	0.00	4.58
33	t	2,4-Dichlorophenol	0.293	0.303	-3.4	66	0.00	4.64
34		2,6-Dichlorophenol	0.293	0.302	-3.1	67	0.00	4.79
35		1,3,5-Trichlorobenzene	0.358	0.351	2.0	66	0.00	4.46
36	t	1,2,4-Trichlorobenzene	0.349	0.342	2.0	66	0.00	4.68
37		1,2,3-Trichlorobenzene	0.330	0.335	-1.5	68	0.00	4.84
38	t	Naphthalene	1.005	1.011	-0.6	67	0.00	4.73
39	t	4-Chloroaniline	0.415	0.441	-6.3	69	0.00	4.79
40	t	2,3-Dichloroaniline	0.340	0.372	-9.4	72	0.00	5.43
41	t	Hydroquinone	0.288	0.209	27.4#	49#	0.00	5.06

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9284-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210558.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42	t	Hexachlorobutadiene	0.200	0.216	-8.0	72	0.00	4.83
43	t	4-Chloro-3-methylphenol	0.257	0.290	-12.8	74	0.00	5.15
44	t	2-Methylnaphthalene	0.567	0.620	-9.3	72	0.00	5.23
45	t	1-Methylnaphthalene	0.621	0.661	-6.4	70	0.00	5.29
46	I	Acenaphthene-d10	1.000	1.000	0.0	72	0.00	5.96
47	t	Hexachlorocyclopentadiene	0.341	0.351	-2.9	67	0.00	5.34
48	t	1,2,4,5-tetrachlorobenzen	0.629	0.613	2.5	69	0.00	5.35
49	t	2,4,6-Trichlorophenol	0.396	0.406	-2.5	69	0.00	5.44
50	t	2,4,5-Trichlorophenol	0.424	0.457	-7.8	72	0.00	5.46
51	S	2-Fluorobiphenyl	1.334	1.334	0.0	69	0.00	5.50
52	t	2-Chloronaphthalene	1.187	1.208	-1.8	71	0.00	5.57
53	t	Biphenyl	1.439	1.520	-5.6	73	0.00	5.57
54	t	2-Nitroaniline	0.292	0.305	-4.5	72	0.00	5.65
55	t	Dimethylphthalate	1.302	1.393	-7.0	74	0.00	5.80
56	t	Acenaphthylene	1.548	1.592	-2.8	71	0.00	5.85
57	t	2,6-Dinitrotoluene	0.297	0.321	-8.1	74	0.00	5.83
58	t	3-Nitroaniline	0.325	0.354	-8.9	70	0.00	5.94
59	t	Acenaphthene	1.149	1.218	-6.0	74	0.00	5.98
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	52.277	-4.6	75	0.00	6.02
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.213	-37.4#	93	0.00	6.09
62	t	Dibenzofuran	1.613	1.703	-5.6	74	0.00	6.11
63	t	2,4-Dinitrotoluene	0.389	0.441	-13.4	76	0.00	6.13
64		2,3,4,6-Tetrachlorophenol	0.334	0.365	-9.3	76	0.00	6.22
65	t	Diethylphthalate	1.281	1.484	-15.8	80	0.00	6.34
66	t	Fluorene	1.265	1.378	-8.9	77	0.00	6.39
67	t	4-Chlorophenyl-phenylethe	0.630	0.674	-7.0	74	0.00	6.41
68	t	4-Nitroaniline	0.312	0.359	-15.1	74	0.00	6.44
69	I	Phenanthrene-d10	1.000	1.000	0.0	77	0.00	7.37
70	t	4,6-Dinitro-2-methylpheno	0.136	0.138	-1.5	73	0.00	6.46
71	t	n-Nitrosodiphenylamine	0.589	0.608	-3.2	75	0.00	6.53
72	t	1,2-Diphenylhydrazine	0.652	0.649	0.5	72	0.00	6.55
73	S	2,4,6-Tribromophenol	0.114	0.124	-8.8	81	0.00	6.61
74	t	4-Bromophenyl-phenylether	0.202	0.222	-9.9	82	0.00	6.88
75	t	Hexachlorobenzene	0.235	0.260	-10.6	82	0.00	6.92
76	t	Pentachlorophenol	0.149	0.180	-20.8#	82	0.00	7.16
77	t	Phenanthrene	1.026	1.064	-3.7	76	0.00	7.40
78	t	Anthracene	1.011	1.063	-5.1	75	0.00	7.46
79	t	Carbazole	0.927	1.008	-8.7	77	0.00	7.71
80	t	Di-n-butylphthalate	1.167	1.364	-16.9	82	0.00	8.35
81	t	Fluoranthene	1.050	1.189	-13.2	81	0.00	9.18
82	t	Octadecane	0.339	0.329	2.9	69	0.00	7.37
83	I	Chrysene-d12	1.000	1.000	0.0	85	0.00	12.04
84	t	Benzidine	0.693	0.722	-4.2	88	0.00	9.55
85	t	Pyrene	1.389	1.348	3.0	78	0.00	9.57
86	S	Terphenyl-d14	0.940	0.986	-4.9	87	0.00	10.03
87	t	Butylbenzylphthalate	0.600	0.673	-12.2	86	0.00	11.19
88	t	Benzo[a]anthracene	1.220	1.289	-5.7	88	0.00	12.02
89	t	3,3'-Dichlorobenzidine	0.450	0.519	-15.3	92	0.00	12.13
90	t	Chrysene	1.243	1.250	-0.6	84	0.00	12.09
91	t	bis(2-Ethylhexyl)phthalat	0.858	0.977	-13.9	91	0.00	12.60
92	I	Perylene-d12	1.000	1.000	0.0	90	0.01	14.97

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9284-CC9252
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210558.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	25.211	-0.8	91	0.00	14.02

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.179	1.241	-5.3	92	0.00	14.24
95	t	Benzo[k]fluoranthene	1.140	1.203	-5.5	85	-0.01	14.31
96	t	Benzo[a]pyrene	1.056	1.200	-13.6	93	0.00	14.85
97	t	Indeno[1,2,3-cd]pyrene	0.888	1.035	-16.6	96	0.00	16.86
98	t	Dibenz(a,h)acridine	0.816	0.982	-20.3#	99	0.00	16.54
99	t	Dibenz[a,h]anthracene	0.967	1.093	-13.0	94	0.00	16.95
100	t	7,12-Dimethylbenz(a)anthr	0.509	0.437	14.1	74	-0.01	14.28
101	t	Benzo[g,h,i]perylene	1.050	1.144	-9.0	91	0.00	17.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209973.D MF9252.M Mon Oct 31 12:18:08 2022

8.7.12

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EF9284-CC9253
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** F210559.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9284\F210559.D Vial: 3
Acq On : 31 Oct 2022 10:06 am Operator: kaleigh
Sample : cc9253-25 Inst : GCMSF
Misc : op41953,ef9284,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9252.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Oct 13 12:34:09 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	66	0.00	3.79
103	Benzaldehyde	0.980	1.002	-2.2	66	0.00	3.45
104 I	Phenanthrene-d10b	1.000	1.000	0.0	76	0.00	7.37
105	Atrazine	0.167	0.212	-26.9#	89	-0.01	7.11
106 I	Naphthalene-d8b	1.000	1.000	0.0	72	0.00	4.72
107	Caprolactam	0.111	0.109	1.8	66	-0.01	5.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F209973.D MF9252.M Mon Oct 31 12:18:10 2022

Initial Calibration Summary

Job Number: JD54013 **Sample:** EP7003-ICC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151284.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report MSVOAMSP

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Initial Calibration

Calibration Files
2 =p151283.D 5 =p151285.D 25 =p151286.D 80 =p151282.D
100 =p151280.D 50 =p151284.D 10 =p151287.D 1 =p151281.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.559	0.498	0.499	0.495	0.521	0.506	0.528	0.543	0.519	4.50
3) Pyridine	1.070	1.232	1.350	1.407	1.408	1.393	1.294	1.003	1.270	12.37
4) N-Nitrosodim	0.433	0.438	0.475	0.506	0.543	0.506	0.463	0.379	0.468	11.02
5) 2-Fluorophen	1.159	1.153	1.207	1.265	1.336	1.249	1.194	1.029	1.199	7.62
6) Indene	2.193	2.206	2.323	2.305	2.357	2.326	2.257	2.149	2.264	3.32
7) Cumene	2.756	2.768	2.852	2.893	2.986	2.875	2.883	2.638	2.831	3.77
8) Phenol-d5	1.327	1.394	1.532	1.650	1.747	1.612	1.493	1.343	1.512	10.05
9) Phenol	1.395	1.451	1.579	1.659	1.725	1.622	1.542	1.334	1.538	8.78
10) Aniline	1.837	1.887	2.000	2.057	2.139	2.062	1.929	1.779	1.961	6.31
11) bis(2-Chloro	1.169	1.168	1.214	1.277	1.322	1.278	1.193	1.134	1.219	5.39
12) 2-Chlorophen	1.222	1.309	1.417	1.441	1.497	1.436	1.349	1.254	1.366	7.17
13) Decane	1.044	1.032	1.085	1.082	1.113	1.082	1.085	1.011	1.067	3.20
14) 1,3-Dichloro	1.490	1.482	1.538	1.523	1.562	1.536	1.511	1.470	1.514	2.08
15) 1,4-Dichloro	1.484	1.500	1.560	1.533	1.579	1.561	1.549	1.537	1.538	2.09
16) Benzyl alcoh	0.766	0.822	0.873	0.915	0.969	0.915	0.829	0.643	0.842	12.18
17) 1,2-Dichloro	1.390	1.423	1.476	1.484	1.491	1.476	1.473	1.366	1.447	3.30
18) Acetophenone	1.701	1.737	1.806	1.787	1.848	1.843	1.811	1.534	1.758	5.89
19) 2-Methylphen	1.079	1.114	1.200	1.249	1.287	1.237	1.183	1.001	1.169	8.27
20) 2,2'-oxybis(	0.385	0.386	0.419	0.409	0.418	0.414	0.408	0.301	0.393	9.98
21) 3&4-Methylph	1.071	1.184	1.295	1.288	1.325	1.308	1.258	1.101	1.229	7.99
22) n-Nitroso-di	0.814	0.848	0.894	0.896	0.930	0.925	0.879	0.784	0.871	6.00
23) Hexachloroet	0.414	0.440	0.450	0.448	0.456	0.450	0.440	0.410	0.438	3.93
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.244	0.254	0.283	0.300	0.305	0.297	0.271	0.234	0.274	9.89
26) Nitrobenzene	0.244	0.269	0.287	0.304	0.304	0.308	0.271	0.245	0.279	9.30
27) Quinoline	0.611	0.681	0.729	0.726	0.771	0.729	0.676	0.608	0.691	8.47
28) Isophorone	0.526	0.558	0.603	0.635	0.644	0.621	0.571	0.500	0.582	8.94
29) 2-Nitropheno		0.126	0.160	0.183	0.191	0.177	0.141		0.163	15.69
30) 2,4-Dimethyl	0.270	0.288	0.320	0.332	0.330	0.334	0.305	0.243	0.303	10.92
31) Benzoic acid	0.045	0.089	0.159	0.212	0.215	0.169	0.117		0.144	44.05
---- Quadratic regression ---- Coefficient = 0.9984										
Response Ratio = -0.00555 + 0.13979 *A + 0.03271 *A^2										
32) bis(2-Chloro	0.321	0.347	0.378	0.383	0.381	0.384	0.358	0.331	0.360	6.92
33) 2,4-Dichloro	0.209	0.235	0.268	0.280	0.280	0.277	0.246	0.194	0.248	13.54
34) 2,6-Dichloro	0.227	0.244	0.270	0.278	0.277	0.276	0.254	0.217	0.255	9.36
35) 1,3,5-Trichl	0.284	0.276	0.302	0.304	0.298	0.306	0.299	0.290	0.295	3.65
36) 1,2,4-Trichl	0.278	0.273	0.288	0.296	0.293	0.296	0.283	0.250	0.282	5.41
37) 1,2,3-Trichl	0.261	0.258	0.280	0.283	0.280	0.283	0.267	0.257	0.271	4.21
38) Naphthalene	0.978	0.963	1.008	1.002	1.000	1.018	1.006	0.963	0.992	2.14
39) 4-Chloroanil	0.395	0.402	0.450	0.453	0.457	0.457	0.422	0.354	0.424	8.89
40) 2,3-Dichloro	0.296	0.324	0.351	0.357	0.355	0.358	0.331	0.290	0.333	8.27
41) Hydroquinone	0.232	0.267	0.349	0.229	0.301	0.154	0.306	0.218	0.257	23.92
42) Hexachlorobu	0.127	0.127	0.133	0.135	0.132	0.136	0.137	0.138	0.133	3.27

Initial Calibration Summary

Job Number: JD54013 **Sample:** EP7003-ICC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151284.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

43)	4-Chloro-3-m	0.215	0.235	0.269	0.282	0.293	0.283	0.250	0.211	0.255	12.56
44)	2-Methylnaph	0.548	0.574	0.602	0.619	0.616	0.616	0.578	0.529	0.585	5.77
45)	1-Methylnaph	0.603	0.615	0.651	0.666	0.661	0.672	0.626	0.579	0.634	5.30
46)	I Acenaphthene-d10	ISTD									
47)	Hexachlorocy	0.201	0.214	0.245	0.264	0.257	0.258	0.233	0.218	0.236	9.93
48)	1,2,4,5-Tetr	0.455	0.424	0.472	0.467	0.451	0.467	0.459	0.407	0.450	5.06
49)	2,4,6-Trichl	0.262	0.290	0.336	0.331	0.333	0.344	0.310	0.237	0.305	12.79
50)	2,4,5-Trichl	0.264	0.299	0.351	0.378	0.368	0.364	0.331	0.243	0.325	15.61
51)	2-Fluorobiph	1.171	1.208	1.286	1.263	1.221	1.267	1.278	1.123	1.227	4.69
52)	2-Chloronaph	1.111	1.119	1.175	1.149	1.126	1.167	1.144	0.998	1.124	4.96
53)	Biphenyl	1.463	1.440	1.534	1.504	1.484	1.524	1.511	1.380	1.480	3.46
54)	2-Nitroanili	0.183	0.207	0.261	0.288	0.299	0.283	0.223		0.249	18.03
55)	Dimethylphth	1.227	1.288	1.362	1.368	1.378	1.372	1.307	1.177	1.310	5.74
56)	Acenaphthyle	1.386	1.452	1.601	1.600	1.625	1.619	1.524	1.354	1.520	7.20
57)	2,6-Dinitrot	0.169	0.205	0.263	0.296	0.306	0.291	0.223	0.168	0.240	23.45
	---- Quadratic regression ---- Coefficient = 0.9991										
	Response Ratio = -0.00350 + 0.25458 *A + 0.02202 *A^2										
58)	3-Nitroanili	0.266	0.354	0.383	0.392	0.379	0.297		0.345		14.98
59)	Acenaphthene	1.162	1.139	1.201	1.203	1.193	1.223	1.199	1.096	1.177	3.56
60)	2,4-Dinitrop	0.046	0.072	0.119	0.168	0.180	0.154	0.084		0.118	43.83
	---- Quadratic regression ---- Coefficient = 0.9986										
	Response Ratio = -0.00901 + 0.11274 *A + 0.01426 *A^2										
61)	4-Nitropheno	0.124	0.161	0.169	0.175	0.169	0.134		0.155		13.67
62)	Dibenzofuran	1.607	1.550	1.638	1.625	1.624	1.656	1.636	1.517	1.607	2.99
63)	2,4-Dinitrot	0.227	0.278	0.373	0.417	0.425	0.410	0.304	0.192	0.328	27.67
	---- Quadratic regression ---- Coefficient = 0.9988										
	Response Ratio = -0.00620 + 0.36285 *A + 0.02778 *A^2										
64)	2,3,4,6-Tetr	0.191	0.213	0.256	0.275	0.278	0.271	0.233		0.245	13.80
65)	Diethylphtha	1.178	1.290	1.384	1.401	1.428	1.399	1.286	1.153	1.315	8.06
66)	Fluorene	1.219	1.251	1.343	1.363	1.370	1.361	1.293	1.158	1.295	6.09
67)	4-Chlorophen	0.538	0.540	0.563	0.575	0.573	0.571	0.570	0.501	0.554	4.70
68)	4-Nitroanili	0.235	0.323	0.395	0.396	0.403	0.397	0.336		0.355	17.47
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.038	0.050	0.083	0.109	0.110	0.102	0.063		0.079	36.84
	---- Quadratic regression ---- Coefficient = 0.9977										
	Response Ratio = -0.00331 + 0.08480 *A + 0.01154 *A^2										
71)	n-Nitrosodip	0.567	0.583	0.632	0.631	0.614	0.644	0.608	0.525	0.601	6.68
72)	1,2-Diphenyl	0.579	0.609	0.662	0.654	0.641	0.663	0.619	0.522	0.619	7.87
73)	2,4,6-Tribro	0.065	0.074	0.091	0.097	0.094	0.097	0.082		0.086	14.43
74)	4-Bromopheny	0.164	0.157	0.174	0.182	0.180	0.186	0.168	0.154	0.171	6.94
75)	Hexachlorobe	0.199	0.204	0.207	0.212	0.204	0.211	0.200	0.184	0.203	4.32
76)	Pentachlorop	0.070	0.096	0.133	0.146	0.143	0.145	0.111	0.060	0.113	30.46
	---- Quadratic regression ---- Coefficient = 0.9984										
	Response Ratio = -0.00546 + 0.13440 *A + 0.00256 *A^2										
77)	Phenanthrene	1.070	1.073	1.112	1.096	1.071	1.108	1.068	1.061	1.082	1.82
78)	Anthracene	0.995	1.029	1.137	1.124	1.098	1.154	1.045	0.889	1.059	8.35
79)	Carbazole	0.952	1.005	1.130	1.116	1.076	1.139	1.026	0.902	1.043	8.34
80)	Di-n-butylph	0.969	1.141	1.386	1.450	1.438	1.462	1.193	0.927	1.246	17.62
81)	Fluoranthene	0.930	1.034	1.189	1.209	1.177	1.241	1.044	0.923	1.093	11.63
82)	Octadecane	0.294	0.313	0.368	0.395	0.386	0.389	0.337	0.272	0.344	13.72
83)	I Chrysene-d12	ISTD									
84)	Benzidine	0.602	0.798	0.921	0.995	0.894	0.683		0.815		18.46

8.7.14
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Initial Calibration Summary

Job Number: JD54013 **Sample:** EP7003-ICC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151284.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
 85) Pyrene       1.124 1.222 1.325 1.371 1.434 1.363 1.246 1.121 1.276   9.12
 86) Terphenyl-d1 0.843 0.888 0.942 0.990 1.038 0.979 0.889 0.791 0.920   8.94
 87) Butylbenzylp 0.435 0.525 0.678 0.764 0.790 0.745 0.569 0.357 0.608  26.56
             ---- Quadratic regression ----  Coefficient =  0.9993
               Response Ratio = -0.01013 + 0.65313 *A + 0.05865 *A^2

 88) Benzo[a]anth 1.079 1.121 1.243 1.295 1.300 1.301 1.154 1.054 1.194   8.68
 89) 3,3'-Dichlor 0.336 0.402 0.503 0.535 0.531 0.543 0.447       0.471  16.77
 90) Chrysene     1.161 1.231 1.291 1.281 1.257 1.311 1.279 1.137 1.244   5.09
 91) bis(2-Ethylh 0.592 0.731 1.011 1.115 1.142 1.106 0.874 0.459 0.879  29.63
             ---- Quadratic regression ----  Coefficient =  0.9991
               Response Ratio = -0.01847 + 0.99803 *A + 0.06407 *A^2


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 0.672 0.906 1.529 1.802 1.774 1.738 1.123       1.363  33.80
             ---- Quadratic regression ----  Coefficient =  0.9977
               Response Ratio = -0.06366 + 1.58416 *A + 0.10322 *A^2

 94) Benzo[b]fluo 0.953 1.071 1.280 1.344 1.316 1.327 1.141 0.876 1.164  15.66
 95) Benzo[k]fluo 0.999 1.100 1.228 1.216 1.163 1.259 1.138 0.895 1.125  11.04
 96) Benzo[a]pyre 0.818 0.942 1.147 1.206 1.191 1.202 1.032 0.720 1.032  18.26
 97) Indeno[1,2,3 0.679 0.794 0.966 1.062 1.048 1.036 0.850 0.646 0.885  18.92
 98) Dibenz(a,h)a 0.605 0.710 0.916 1.013 1.010 0.988 0.793       0.862  18.78
 99) Dibenz[a,h]a 0.845 0.937 1.091 1.177 1.156 1.167 1.011 0.736 1.015  16.13
100) 7,12-Dimethy 0.401 0.478 0.589 0.614 0.591 0.608 0.517 0.379 0.522  18.05
101) Benzo[g,h,i] 0.882 0.951 1.125 1.189 1.160 1.188 1.031 0.769 1.037  15.11


 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MP7003.M          Mon Sep 12 08:58:35 2022   ACLIMS
```

8.7.14

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151288.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151288.D Vial: 10
Acq On : 10 Sep 2022 12:41 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00	4.68
2	t	1,4-Dioxane	0.519	0.485	6.6	115	0.00	2.63
3	t	Pyridine	1.270	1.208	4.9	104	0.00	2.86
6	t	Indene	2.264	2.403	-6.1	123	0.00	4.86
7	t	Cumene	2.831	2.816	0.5	117	0.00	4.13
13	t	Decane	1.067	1.079	-1.1	119	0.00	4.56
18	t	Acetophenone	1.758	1.766	-0.5	114	0.00	4.96
24	I	Naphthalene-d8	1.000	1.000	0.0	121	0.00	5.58
27	t	Quinoline	0.691	0.678	1.9	113	0.00	5.84
35		1,3,5-Trichlorobenzene	0.295	0.302	-2.4	120	0.00	5.31
37		1,2,3-Trichlorobenzene	0.271	0.287	-5.9	123	0.00	5.69
40	t	2,3-Dichloroaniline	0.333	0.340	-2.1	115	0.00	6.33
45	t	1-Methylnaphthalene	0.634	0.660	-4.1	119	0.00	6.18
46	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	7.02
47	t	Hexachlorocyclopentadiene	0.236	0.304	-28.8	136	0.00	6.23
53	t	Biphenyl	1.480	1.528	-3.2	117	0.00	6.49
69	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00	8.92
79	t	Carbazole	1.043	1.117	-7.1	115	0.01	9.32
82	t	Octadecane	0.344	0.377	-9.6	114	0.00	8.84
83	I	Chrysene-d12	1.000	1.000	0.0	111	0.00	14.20
84	t	Benzidine	0.815	0.655	19.6	81	0.00	11.47

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151288.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	118	0.00	17.25
98	t	Dibenz(a,h)acridine	0.862	1.038	-20.4	124	0.02	18.86
100	t	7,12-Dimethylbenz(a)anthr	0.522	0.545	-4.4	106	0.00	16.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:31 2022 ACLIMS

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151289.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151289.D Vial: 11
Acq On : 10 Sep 2022 1:06 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00	4.68
9	t	Phenol	1.538	1.513	1.6	116	0.00	4.41
12	t	2-Chlorophenol	1.366	1.364	0.1	118	0.00	4.53
19	t	2-Methylphenol	1.169	1.169	0.0	117	0.00	4.84
21	t	3&4-Methylphenol	1.229	1.257	-2.3	119	0.00	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00	5.58
29	t	2-Nitrophenol	0.163	0.158	3.1	113	0.00	5.30
30	t	2,4-Dimethylphenol	0.303	0.310	-2.3	118	0.00	5.32
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	50.684	-1.4	135	0.05	5.42
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.248	0.258	-4.0	118	0.00	5.47
34		2,6-Dichlorophenol	0.255	0.256	-0.4	118	0.00	5.63
43	t	4-Chloro-3-methylphenol	0.255	0.261	-2.4	117	0.00	5.98
46	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.00	7.02
49	t	2,4,6-Trichlorophenol	0.305	0.327	-7.2	117	0.00	6.32
50	t	2,4,5-Trichlorophenol	0.325	0.352	-8.3	119	0.00	6.35
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	93.934	6.1	107	0.01	7.09
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.155	0.159	-2.6	116	0.00	7.14
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.245	0.252	-2.9	115	0.00	7.37

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151289.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

69	I	Phenanthrene-d10	1.000	1.000	0.0	121	0.00	8.93
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	48.640	2.7	111	0.00	7.69
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	96.248	3.8	111	0.00	8.63

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:33 2022 ACLIMS

8.7.16

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151290.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151290.D Vial: 12
Acq On : 10 Sep 2022 1:31 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00	4.68
4	t	N-Nitrosodimethylamine	0.468	0.468	0.0	123	0.00	2.83
10	t	Aniline	1.961	1.958	0.2	126	0.00	4.44
22		n-Nitroso-di-n-propylamin	0.871	0.874	-0.3	126	0.00	4.96
24	I	Naphthalene-d8	1.000	1.000	0.0	137	0.00	5.58
39	t	4-Chloroaniline	0.424	0.426	-0.5	128	0.00	5.63
46	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00	7.02
54	t	2-Nitroaniline	0.249	0.269	-8.0	129	0.00	6.60
		----------	AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.345	0.361	-4.6	129	0.00	6.98
68	t	4-Nitroaniline	0.355	0.396	-11.5	135	0.02	7.66
69	I	Phenanthrene-d10	1.000	1.000	0.0	137	0.00	8.92
		----------	AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.601	0.636	-5.8	135	0.00	7.78
83	I	Chrysene-d12	1.000	1.000	0.0	139	0.00	14.20
89	t	3,3'-Dichlorobenzidine	0.471	0.492	-4.5	126	0.01	14.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:35 2022 ACLIMS

8.7.17
8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151291A.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151291a.D Vial: 13
Acq On : 10 Sep 2022 2:00 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46 I	Acenaphthene-d10	1.000	1.000	0.0	120	0.00	7.02
48	1,2,4,5-Tetrachlorobenzen	0.450	0.452	-0.4	116	0.00	6.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:37 2022 ACLIMS

8.7.18
8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151292B.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151292b.D Vial: 14
Acq On : 10 Sep 2022 2:25 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.68
11	t	bis(2-Chloroethyl)ether	1.219	1.282	-5.2	121	0.00	4.49
14	t	1,3-Dichlorobenzene	1.514	1.578	-4.2	124	0.00	4.64
15	t	1,4-Dichlorobenzene	1.538	1.625	-5.7	125	0.00	4.69
16	t	Benzyl alcohol	0.842	0.918	-9.0	121	0.00	4.77
17	t	1,2-Dichlorobenzene	1.447	1.522	-5.2	124	0.00	4.80
20	t	2,2'-oxybis(1-Chloropropa	0.393	0.415	-5.6	121	0.00	4.87
22		n-Nitroso-di-n-propylamin	0.871	0.930	-6.8	121	0.00	4.96
23	t	Hexachloroethane	0.438	0.467	-6.6	125	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	122	0.00	5.58
26	t	Nitrobenzene	0.279	0.297	-6.5	117	0.00	5.08
28	t	Isophorone	0.582	0.621	-6.7	122	0.00	5.25

			AvgRF	CCRF	% Dev			
32	t	bis(2-Chloroethoxy)methan	0.360	0.378	-5.0	120	0.00	5.40
36	t	1,2,4-Trichlorobenzene	0.282	0.296	-5.0	121	0.00	5.53
38	t	Naphthalene	0.992	1.029	-3.7	123	0.00	5.59
39	t	4-Chloroaniline	0.424	0.453	-6.8	121	0.00	5.63
42	t	Hexachlorobutadiene	0.133	0.138	-3.8	123	0.00	5.68
44	t	2-Methylnaphthalene	0.585	0.597	-2.1	118	0.00	6.10
46	I	Acenaphthene-d10	1.000	1.000	0.0	117	0.00	7.02
52	t	2-Chloronaphthalene	1.124	1.231	-9.5	124	0.00	6.51
55	t	Dimethylphthalate	1.310	1.420	-8.4	121	0.01	6.77

			True	Calc.	% Drift			

8.7.19

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151292B.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

57	t	2,6-Dinitrotoluene	50.000	57.594	-15.2	132	0.00	6.82
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.345	0.408	-18.3	126	0.02	6.99
59	t	Acenaphthene	1.177	1.264	-7.4	121	0.00	7.06
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.607	1.718	-6.9	122	0.00	7.24
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	54.388	-8.8	123	0.02	7.23
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.315	1.448	-10.1	121	0.01	7.51
66	t	Fluorene	1.295	1.429	-10.3	123	0.01	7.63
67	t	4-Chlorophenyl-phenylethe	0.554	0.594	-7.2	122	0.00	7.63
69	I	Phenanthrene-d10	1.000	1.000	0.0	120	0.00	8.93
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.601	0.665	-10.6	124	0.01	7.78
72	t	1,2-Diphenylhydrazine	0.619	0.665	-7.4	120	0.00	7.83
74	t	4-Bromophenyl-phenylether	0.171	0.186	-8.8	120	0.00	8.27
75	t	Hexachlorobenzene	0.203	0.211	-3.9	120	0.00	8.34
		----------	AvgRF	CCRF	% Dev	----------		
77	t	Phenanthrene	1.082	1.139	-5.3	123	0.00	8.96
78	t	Anthracene	1.059	1.158	-9.3	120	0.00	9.04
80	t	Di-n-butylphthalate	1.246	1.461	-17.3	120	0.00	10.05
81	t	Fluoranthene	1.093	1.239	-13.4	119	0.01	11.12
83	I	Chrysene-d12	1.000	1.000	0.0	124	0.01	14.21
85	t	Pyrene	1.276	1.309	-2.6	119	0.01	11.56
		----------	True	Calc.	% Drift	----------		
87	t	Butylbenzylphthalate	50.000	49.671	0.7	118	0.00	13.19
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.194	1.289	-8.0	123	0.02	14.19
90	t	Chrysene	1.244	1.227	1.4	116	0.02	14.27
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	50.090	-0.2	119	0.00	14.61
		----------	AvgRF	CCRF	% Dev	----------		

8.7.19

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151292B.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

92	I	Perylene-d12	1.000	1.000	0.0	121	0.01	17.26
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	51.721	-3.4	120	0.00	16.07
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.164	1.266	-8.8	115	0.02	16.51
95	t	Benzo[k]fluoranthene	1.125	1.275	-13.3	122	0.02	16.56
96	t	Benzo[a]pyrene	1.032	1.220	-18.2	123	0.02	17.15
97	t	Indeno[1,2,3-cd]pyrene	0.885	1.032	-16.6	120	0.02	19.21
99	t	Dibenz[a,h]anthracene	1.015	1.167	-15.0	121	0.02	19.28
101	t	Benzo[g,h,i]perylene	1.037	1.191	-14.9	121	0.03	19.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:39 2022 ACLIMS

8.7.19

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151293.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151293.D Vial: 15
Acq On : 10 Sep 2022 2:50 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00	4.68
5	S	2-Fluorophenol	1.199	1.075	10.3	121	0.01	3.77
8	S	Phenol-d5	1.512	1.276	15.6	112	0.00	4.41
24	I	Naphthalene-d8	1.000	1.000	0.0	141	0.00	5.58
25	S	Nitrobenzene-d5	0.274	0.243	11.3	115	0.00	5.06
46	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00	7.02
51	S	2-Fluorobiphenyl	1.227	1.097	10.6	115	0.00	6.40
69	I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00	8.92
73	S	2,4,6-Tribromophenol	0.086	0.074	14.0	98	0.00	7.92
83	I	Chrysene-d12	1.000	1.000	0.0	95	0.00	14.20
86	S	Terphenyl-d14	0.920	0.934	-1.5	91	0.00	12.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:41 2022 ACLIMS

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7003-ICV7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151294.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7003\p151294.D Vial: 16
Acq On : 10 Sep 2022 3:16 am Operator: rocquans
Sample : icv7003-50 Inst : MSVOAMSP
Misc : op36737,ep7003,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Sep 10 02:51:41 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
46	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	7.02
56	t	Acenaphthylene	1.520	1.842	-21.2	118	0.00	6.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151284.D MP7003.M Mon Sep 12 09:03:43 2022 ACLIMS

8.7.21
8

Initial Calibration Summary

Job Number: JD54013 **Sample:** EP7004-ICC7004
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151298.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report MSVOAMSP

Method : C:\msdchem\1\METHODS\MP7004.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Sep 12 10:11:46 2022
Response via : Initial Calibration

Calibration Files
2 =p151302.D 5 =p151301.D 25 =p151299a.D 80 =p151297.D
100 =p151296a.D 50 =p151298.D 10 =p151300.D 1 =p151303.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
158) I 1,4-Dichlorobenzene-d	ISTD									
159) Benzaldehyde	1.072	0.975	1.061	1.041	1.101	1.026	1.006	0.929	1.026	5.41
160) I Phenanthrene-d10b	ISTD									
161) Atrazine	0.124	0.142	0.183	0.196	0.206	0.190	0.155		0.171	18.08
162) Naphthalene-d8b	ISTD									
163) Caprolactam	0.057	0.076	0.096	0.096	0.101	0.096	0.086		0.087	18.11

(#) = Out of Range ### Number of calibration levels exceeded format ###

MP7003ap9.M Mon Sep 12 10:13:36 2022 ACLIMS

8.7.22

8

Initial Calibration Verification

Job Number: JD54013 **Sample:** EP7004-ICV7004
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P151304.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7004\p151304.D Vial: 10
Acq On : 10 Sep 2022 9:37 am Operator: chriss2
Sample : icv7004-50 Inst : MSVOAMSP
Misc : op36737,ep7004,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\MP7003ap9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Sep 12 10:11:46 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
158 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	78	0.00	4.68
159	Benzaldehyde	1.026	1.073	-4.6	82	0.00	4.37
160 I	Phenanthrene-d10b	1.000	1.000	0.0	78	0.00	8.91
161	Atrazine	0.171	0.189	-10.5	78	0.00	8.54
162	Naphthalene-d8b	1.000	1.000	0.0	80	0.00	5.58
163	Caprolactam	0.087	0.095	-9.2	79	0.00	5.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151298a.D MP7003ap9.M Mon Sep 12 10:14:44 2022 ACLIMS

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7048-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152189.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7048\p152189.D Vial: 2
Acq On : 26 Oct 2022 12:03 pm Operator: kaleigh
Sample : cc7003-25 Inst : MSVOAMSP
Misc : op41953,ep7048,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 26 13:11:34 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	160	0.00	4.54
2	t	1,4-Dioxane	0.519	0.540	-4.0	173	0.00	2.34
3	t	Pyridine	1.270	1.378	-8.5	163	0.00	2.72
4	t	N-Nitrosodimethylamine	0.468	0.592	-26.5#	199	0.00	2.59
5	S	2-Fluorophenol	1.199	1.315	-9.7	174	0.00	3.65
6	t	Indene	2.264	2.385	-5.3	164	0.00	4.73
7	t	Cumene	2.831	3.074	-8.6	172	0.00	3.96
8	S	Phenol-d5	1.512	1.683	-11.3	176	0.00	4.34
9	t	Phenol	1.538	1.874	-21.8#	190	0.00	4.35
10	t	Aniline	1.961	1.193	39.2#	95	0.00	4.34
11	t	bis(2-Chloroethyl)ether	1.219	1.487	-22.0#	196	0.00	4.36
12	t	2-Chlorophenol	1.366	1.488	-8.9	168	0.00	4.42
13	t	Decane	1.067	1.449	-35.8#	214#	0.00	4.42
14	t	1,3-Dichlorobenzene	1.514	1.572	-3.8	164	0.00	4.50
15	t	1,4-Dichlorobenzene	1.538	1.595	-3.7	164	0.00	4.56
16	t	Benzyl alcohol	0.842	0.904	-7.4	166	0.00	4.68
17	t	1,2-Dichlorobenzene	1.447	1.503	-3.9	163	0.00	4.67
18	t	Acetophenone	1.758	1.855	-5.5	164	0.00	4.85
19	t	2-Methylphenol	1.169	1.259	-7.7	168	0.00	4.77
20	t	2,2'-oxybis(1-Chloropropa	0.393	0.419	-6.6	160	0.00	4.75
21	t	3&4-Methylphenol	1.229	1.334	-8.5	165	0.00	4.88
22		n-Nitroso-di-n-propylamin	0.871	0.922	-5.9	165	0.00	4.86
23	t	Hexachloroethane	0.438	0.448	-2.3	159	0.00	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	158	0.00	5.46
25	S	Nitrobenzene-d5	0.274	0.323	-17.9	181	0.00	4.96
26	t	Nitrobenzene	0.279	0.328	-17.6	180	0.00	4.97
27	t	Quinoline	0.691	0.693	-0.3	150	0.00	5.76
28	t	Isophorone	0.582	0.626	-7.6	164	0.00	5.16
29	t	2-Nitrophenol	0.163	0.198	-21.5#	195	0.00	5.20
30	t	2,4-Dimethylphenol	0.303	0.335	-10.6	165	0.00	5.24
			True	Calc.	% Drift			
31	t	Benzoic acid	25.000	34.514	-38.1#	222	0.00	5.37
			AvgRF	CCRF	% Dev			
32	t	bis(2-Chloroethoxy)methan	0.360	0.390	-8.3	163	0.00	5.29
33	t	2,4-Dichlorophenol	0.248	0.273	-10.1	160	0.00	5.38
34		2,6-Dichlorophenol	0.255	0.273	-7.1	160	0.00	5.53
35		1,3,5-Trichlorobenzene	0.295	0.301	-2.0	157	0.00	5.19
36	t	1,2,4-Trichlorobenzene	0.282	0.287	-1.8	157	0.00	5.42
37		1,2,3-Trichlorobenzene	0.271	0.274	-1.1	154	0.00	5.58

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7048-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152189.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	t	Naphthalene	0.992	1.029	-3.7	161	0.00	5.47
39	t	4-Chloroaniline	0.424	0.305	28.1#	107	0.00	5.54
40	t	2,3-Dichloroaniline	0.333	0.317	4.8	142	0.00	6.21
41	t	Hydroquinone	0.257	0.215	16.3	97	0.00	5.84
42	t	Hexachlorobutadiene	0.133	0.133	0.0	158	0.00	5.55
43	t	4-Chloro-3-methylphenol	0.255	0.277	-8.6	162	0.00	5.91
44	t	2-Methylnaphthalene	0.585	0.600	-2.6	158	0.00	5.97
45	t	1-Methylnaphthalene	0.634	0.669	-5.5	162	0.00	6.05
46	I	Acenaphthene-d10	1.000	1.000	0.0	149	0.00	6.85
47	t	Hexachlorocyclopentadiene	0.236	0.256	-8.5	156	0.00	6.08
48		1,2,4,5-Tetrachlorobenzen	0.450	0.469	-4.2	148	0.00	6.09
49	t	2,4,6-Trichlorophenol	0.305	0.347	-13.8	154	0.00	6.21
50	t	2,4,5-Trichlorophenol	0.325	0.373	-14.8	158	0.00	6.25
51	S	2-Fluorobiphenyl	1.227	1.295	-5.5	150	0.00	6.25
52	t	2-Chloronaphthalene	1.124	1.204	-7.1	152	0.00	6.36
53	t	Biphenyl	1.480	1.573	-6.3	152	0.00	6.33
54	t	2-Nitroaniline	0.249	0.312	-25.3#	178	0.00	6.47
55	t	Dimethylphthalate	1.310	1.340	-2.3	146	0.00	6.62
56	t	Acenaphthylene	1.520	1.637	-7.7	152	0.00	6.72
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	25.000	27.463	-9.9	164	0.00	6.67
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.345	0.308	10.7	129	0.00	6.85
59	t	Acenaphthene	1.177	1.222	-3.8	151	0.00	6.88
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	66.970	-33.9#	219	0.00	6.94
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.162	-4.5	149	0.00	7.09
62	t	Dibenzofuran	1.607	1.665	-3.6	151	0.00	7.06
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	25.000	26.927	-7.7	160	0.00	7.07
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.245	0.263	-7.3	153	0.00	7.21
65	t	Diethylphthalate	1.315	1.372	-4.3	147	0.00	7.33
66	t	Fluorene	1.295	1.338	-3.3	148	0.00	7.43
67	t	4-Chlorophenyl-phenylethe	0.554	0.547	1.3	144	0.00	7.43
68	t	4-Nitroaniline	0.355	0.331	6.8	124	0.00	7.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	138	0.00	8.69
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	25.000	32.017	-28.1#	192	0.00	7.52
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.601	0.653	-8.7	142	0.00	7.58
72	t	1,2-Diphenylhydrazine	0.619	0.762	-23.1#	158	0.00	7.62
73	S	2,4,6-Tribromophenol	0.086	0.096	-11.6	145	0.00	7.73
74	t	4-Bromophenyl-phenylether	0.171	0.178	-4.1	140	0.00	8.05
75	t	Hexachlorobenzene	0.203	0.204	-0.5	135	0.00	8.11
			True	Calc.	% Drift			
76	t	Pentachlorophenol	50.000	52.347	-4.7	145	0.00	8.44

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7048-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152189.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.082	1.097	-1.4	136	0.00	8.73
78	t	Anthracene	1.059	1.090	-2.9	132	0.00	8.81
79	t	Carbazole	1.043	1.067	-2.3	130	0.00	9.12
80	t	Di-n-butylphthalate	1.246	1.378	-10.6	137	0.00	9.79
81	t	Fluoranthene	1.093	1.089	0.4	126	0.00	10.84
82	t	Octadecane	0.344	0.484	-40.7#	181	0.00	8.57
83	I	Chrysene-d12	1.000	1.000	0.0	110	0.00	13.93
84	t	Benzidine	0.815	0.200	75.5#	28#	0.00	11.26
85	t	Pyrene	1.276	1.448	-13.5	120	0.00	11.29
86	S	Terphenyl-d14	0.920	1.002	-8.9	117	0.00	11.71

			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	25.000	28.821	-15.3	127	0.00	12.91

			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.194	1.263	-5.8	112	0.00	13.91
89	t	3,3'-Dichlorobenzidine	0.471	0.426	9.6	93	0.00	13.98
90	t	Chrysene	1.244	1.289	-3.6	110	0.00	13.98

			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	25.000	27.825	-11.3	123	0.00	14.30

			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	107	0.00	16.99

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	29.232	-16.9	129	0.00	15.76

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.164	1.297	-11.4	109	0.00	16.23
95	t	Benzo[k]fluoranthene	1.125	1.168	-3.8	102	0.00	16.29
96	t	Benzo[a]pyrene	1.032	1.182	-14.5	110	0.00	16.86
97	t	Indeno[1,2,3-cd]pyrene	0.885	1.029	-16.3	114	0.00	18.94
98	t	Dibenz(a,h)acridine	0.862	0.987	-14.5	115	0.00	18.58
99	t	Dibenz[a,h]anthracene	1.015	1.140	-12.3	112	0.00	19.00
100	t	7,12-Dimethylbenz(a)anthr	0.522	0.443	15.1	81	0.00	16.23
101	t	Benzo[g,h,i]perylene	1.037	1.177	-13.5	112	0.00	19.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p152189.D MP7003.M Wed Oct 26 13:14:05 2022 ACLIMS

8.7.24

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7048-CC7004
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152190.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7048\p152190.D Vial: 3
Acq On : 26 Oct 2022 12:28 pm Operator: kaleigh
Sample : cc7004-25 Inst : MSVOAMSP
Misc : op41953,ep7048,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 26 13:11:34 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	141	0.00	4.54
103	Benzaldehyde	1.026	1.088	-6.0	145	-0.07	4.25
104 I	Phenanthrene-d10b	1.000	1.000	0.0	120	0.00	8.69
105	Atrazine	0.171	0.186	-8.8	122	-0.08	8.35
106	Naphthalene-d8b	1.000	1.000	0.0	141	0.00	5.46
107	Caprolactam	0.087	0.128	-47.1#	188	0.03	5.86

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p152189.D MP7003.M Wed Oct 26 13:14:07 2022 ACLIMS

8.7.25
8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7050-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152241.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\je...8-22\ep7050\p152241.d Vial: 2
Acq On : 27 Oct 2022 2:43 pm Operator: haroldl
Sample : cc7003-50 Inst : MSVOAMSP
Misc : op41953,ep7050,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Oct 24 01:12:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	147	0.00	4.51
2	t	1,4-Dioxane	0.519	0.546	-5.2	158	-0.09	2.23
3	t	Pyridine	1.270	1.451	-14.3	153	-0.06	2.53
4	t	N-Nitrosodimethylamine	0.468	0.575	-22.9#	167	-0.07	2.49
5	S	2-Fluorophenol	1.199	1.341	-11.8	157	-0.05	3.58
6	t	Indene	2.264	2.311	-2.1	146	0.00	4.69
7	t	Cumene	2.831	3.060	-8.1	156	-0.02	3.92
8	S	Phenol-d5	1.512	1.662	-9.9	151	-0.04	4.29
9	t	Phenol	1.538	1.865	-21.3#	169	-0.04	4.30
10	t	Aniline	1.961	1.887	3.8	134	-0.01	4.28
11	t	bis(2-Chloroethyl)ether	1.219	1.320	-8.3	152	0.00	4.33
12	t	2-Chlorophenol	1.366	1.494	-9.4	153	-0.02	4.37
13	t	Decane	1.067	1.236	-15.8	168	-0.01	4.38
14	t	1,3-Dichlorobenzene	1.514	1.554	-2.6	148	0.00	4.47
15	t	1,4-Dichlorobenzene	1.538	1.561	-1.5	147	0.00	4.52
16	t	Benzyl alcohol	0.842	0.873	-3.7	140	0.00	4.63
17	t	1,2-Dichlorobenzene	1.447	1.486	-2.7	148	0.00	4.63
18	t	Acetophenone	1.758	1.774	-0.9	141	0.00	4.81
19	t	2-Methylphenol	1.169	1.226	-4.9	145	-0.02	4.73
20	t	2,2'-oxybis(1-Chloropropa	0.393	0.394	-0.3	140	0.00	4.71
21	t	3&4-Methylphenol	1.229	1.246	-1.4	140	-0.02	4.84
22		n-Nitroso-di-n-propylamin	0.871	0.869	0.2	138	0.00	4.81
23	t	Hexachloroethane	0.438	0.447	-2.1	146	0.00	4.87
24	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00	5.43
25	S	Nitrobenzene-d5	0.274	0.334	-21.9#	156	0.00	4.92
26	t	Nitrobenzene	0.279	0.336	-20.4#	152	0.00	4.93
27	t	Quinoline	0.691	0.708	-2.5	135	0.02	5.70
28	t	Isophorone	0.582	0.622	-6.9	139	0.00	5.11
29	t	2-Nitrophenol	0.163	0.203	-24.5#	160	0.00	5.16
30	t	2,4-Dimethylphenol	0.303	0.336	-10.9	140	-0.02	5.21
			True	Calc.	% Drift			
31	t	Benzoic acid	50.000	64.140	-28.3#	199	0.00	5.33
			AvgRF	CCRF	% Dev			
32	t	bis(2-Chloroethoxy)methan	0.360	0.391	-8.6	142	0.00	5.25
33	t	2,4-Dichlorophenol	0.248	0.284	-14.5	142	-0.02	5.35
34		2,6-Dichlorophenol	0.255	0.279	-9.4	140	0.00	5.50
35		1,3,5-Trichlorobenzene	0.295	0.312	-5.8	141	0.00	5.16
36	t	1,2,4-Trichlorobenzene	0.282	0.300	-6.4	141	0.00	5.39
37		1,2,3-Trichlorobenzene	0.271	0.279	-3.0	137	0.00	5.55

8.7.26
8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7050-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152241.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	t	Naphthalene	0.992	1.018	-2.6	139	0.00	5.44
39	t	4-Chloroaniline	0.424	0.412	2.8	125	0.00	5.50
40	t	2,3-Dichloroaniline	0.333	0.332	0.3	129	0.00	6.16
41	t	Hydroquinone	0.257	0.131	49.0#	118	-0.07	5.79
42	t	Hexachlorobutadiene	0.133	0.142	-6.8	145	0.00	5.53
43	t	4-Chloro-3-methylphenol	0.255	0.280	-9.8	137	-0.03	5.86
44	t	2-Methylnaphthalene	0.585	0.611	-4.4	138	0.00	5.94
45	t	1-Methylnaphthalene	0.634	0.666	-5.0	138	0.00	6.01
46	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00	6.81
47	t	Hexachlorocyclopentadiene	0.236	0.239	-1.3	120	0.00	6.05
48		1,2,4,5-Tetrachlorobenzen	0.450	0.483	-7.3	134	0.00	6.06
49	t	2,4,6-Trichlorophenol	0.305	0.352	-15.4	132	0.00	6.17
50	t	2,4,5-Trichlorophenol	0.325	0.378	-16.3	134	0.00	6.22
51	S	2-Fluorobiphenyl	1.227	1.319	-7.5	135	0.00	6.22
52	t	2-Chloronaphthalene	1.124	1.193	-6.1	132	0.00	6.32
53	t	Biphenyl	1.480	1.563	-5.6	133	0.00	6.30
54	t	2-Nitroaniline	0.249	0.327	-31.3#	149	0.00	6.43
55	t	Dimethylphthalate	1.310	1.345	-2.7	127	0.00	6.57
56	t	Acenaphthylene	1.520	1.638	-7.8	131	0.00	6.68
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	50.000	55.212	-10.4	139	0.00	6.63
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.345	0.345	0.0	118	0.00	6.80
59	t	Acenaphthene	1.177	1.230	-4.5	130	0.00	6.84
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	87.914	12.1	104	0.00	6.90
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.165	-6.5	126	-0.04	7.02
62	t	Dibenzofuran	1.607	1.641	-2.1	128	0.00	7.01
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	53.530	-7.1	134	0.00	7.02
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.245	0.269	-9.8	129	-0.02	7.16
65	t	Diethylphthalate	1.315	1.373	-4.4	127	0.00	7.27
66	t	Fluorene	1.295	1.331	-2.8	127	0.00	7.39
67	t	4-Chlorophenyl-phenylethe	0.554	0.550	0.7	125	0.00	7.39
68	t	4-Nitroaniline	0.355	0.341	3.9	111	0.00	7.46
69	I	Phenanthrene-d10	1.000	1.000	0.0	120	0.00	8.63
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	49.451	1.1	111	0.00	7.47
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.601	0.651	-8.3	121	0.00	7.54
72	t	1,2-Diphenylhydrazine	0.619	0.741	-19.7	134	0.00	7.57
73	S	2,4,6-Tribromophenol	0.086	0.103	-19.8	127	0.00	7.68
74	t	4-Bromophenyl-phenylether	0.171	0.189	-10.5	121	0.00	8.00
75	t	Hexachlorobenzene	0.203	0.214	-5.4	122	0.00	8.06
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	100.542	-0.5	115	-0.01	8.37

8.7.26
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Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7050-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152241.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.082	1.105	-2.1	119	0.00	8.67
78	t	Anthracene	1.059	1.119	-5.7	116	0.00	8.75
79	t	Carbazole	1.043	1.049	-0.6	110	-0.01	9.04
80	t	Di-n-butylphthalate	1.246	1.436	-15.2	117	0.00	9.71
81	t	Fluoranthene	1.093	1.121	-2.6	108	0.00	10.77
82	t	Octadecane	0.344	0.457	-32.8#	141	-0.02	8.52
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.00	13.85
84	t	Benzidine	0.815	0.386	52.6#	42#	-0.01	11.15
85	t	Pyrene	1.276	1.497	-17.3	107	-0.02	11.21
86	S	Terphenyl-d14	0.920	1.033	-12.3	103	-0.03	11.64

			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	50.000	56.838	-13.7	108	-0.02	12.82

			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.194	1.341	-12.3	100	0.00	13.83
89	t	3,3'-Dichlorobenzidine	0.471	0.497	-5.5	89	-0.01	13.89
90	t	Chrysene	1.244	1.309	-5.2	97	0.00	13.91

			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	55.293	-10.6	104	-0.02	14.21

			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	104	0.00	16.91

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	53.662	-7.3	108	-0.03	15.67

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.164	1.300	-11.7	102	0.00	16.16
95	t	Benzo[k]fluoranthene	1.125	1.177	-4.6	98	0.00	16.22
96	t	Benzo[a]pyrene	1.032	1.198	-16.1	104	0.00	16.80
97	t	Indeno[1,2,3-cd]pyrene	0.885	1.182	-33.6#	119	0.10	18.95
98	t	Dibenz(a,h)acridine	0.862	1.101	-27.7#	116	0.07	18.56
99	t	Dibenz[a,h]anthracene	1.015	1.281	-26.2#	115	0.00	19.01
100	t	7,12-Dimethylbenz(a)anthr	0.522	0.497	4.8	85	-0.01	16.16
101	t	Benzo[g,h,i]perylene	1.037	1.326	-27.9#	117	0.12	19.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151733.d MP7003.M Thu Oct 27 23:59:01 2022

8.7.26

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7050-CC7004
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152242.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\je...8-22\ep7050\p152242.d Vial: 3
Acq On : 27 Oct 2022 3:23 pm Operator: haroldl
Sample : cc7004-50 Inst : MSVOAMSP
Misc : op41953,ep7050,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Oct 24 01:12:25 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	161	0.00	4.51
103	Benzaldehyde	1.026	1.096	-6.8	172	0.00	4.20
104 I	Phenanthrene-d10b	1.000	1.000	0.0	142	0.00	8.63
105	Atrazine	0.171	0.190	-11.1	143	0.00	8.27
106	Naphthalene-d8b	1.000	1.000	0.0	161	0.00	5.43
107	Caprolactam	0.087	0.126	-44.8#	211#	0.02	5.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p151733.d MP7003.M Thu Oct 27 23:59:04 2022

8.7.27

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7051-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152272.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EP7051\p152272.D Vial: 2
Acq On : 28 Oct 2022 12:38 pm Operator: haroldl
Sample : cc7003-25 Inst : MSVOAMSP
Misc : op41953,ep7051,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Oct 31 12:30:34 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	177	0.01	4.50
2	t	1,4-Dioxane	0.519	0.521	-0.4	185	0.03	2.22
3	t	Pyridine	1.270	1.332	-4.9	175	0.02	2.50
4	t	N-Nitrosodimethylamine	0.468	0.537	-14.7	200#	0.02	2.47
5	S	2-Fluorophenol	1.199	1.274	-6.3	187	0.02	3.61
6	t	Indene	2.264	2.309	-2.0	176	0.00	4.68
7	t	Cumene	2.831	3.004	-6.1	186	0.01	3.91
8	S	Phenol-d5	1.512	1.561	-3.2	180	0.02	4.33
9	t	Phenol	1.538	1.669	-8.5	187	0.02	4.34
10	t	Aniline	1.961	1.831	6.6	162	0.00	4.28
11	t	bis(2-Chloroethyl)ether	1.219	1.354	-11.1	197	0.00	4.31
12	t	2-Chlorophenol	1.366	1.440	-5.4	180	0.01	4.38
13	t	Decane	1.067	1.233	-15.6	201#	0.00	4.37
14	t	1,3-Dichlorobenzene	1.514	1.556	-2.8	179	0.01	4.46
15	t	1,4-Dichlorobenzene	1.538	1.554	-1.0	176	0.00	4.51
16	t	Benzyl alcohol	0.842	0.820	2.6	166	0.00	4.62
17	t	1,2-Dichlorobenzene	1.447	1.488	-2.8	178	0.00	4.62
18	t	Acetophenone	1.758	1.724	1.9	169	0.00	4.80
19	t	2-Methylphenol	1.169	1.198	-2.5	177	0.01	4.74
20	t	2,2'-oxybis(1-Chloropropa	0.393	0.397	-1.0	168	0.00	4.70
21	t	3&4-Methylphenol	1.229	1.246	-1.4	170	0.02	4.86
22		n-Nitroso-di-n-propylamin	0.871	0.829	4.8	164	0.00	4.80
23	t	Hexachloroethane	0.438	0.457	-4.3	180	0.00	4.86
24	I	Naphthalene-d8	1.000	1.000	0.0	170	0.00	5.42
25	S	Nitrobenzene-d5	0.274	0.319	-16.4	191	0.00	4.91
26	t	Nitrobenzene	0.279	0.327	-17.2	193	0.00	4.92
27	t	Quinoline	0.691	0.675	2.3	157	0.00	5.68
28	t	Isophorone	0.582	0.603	-3.6	170	0.00	5.09
29	t	2-Nitrophenol	0.163	0.197	-20.9#	209#	0.00	5.15
30	t	2,4-Dimethylphenol	0.303	0.324	-6.9	172	0.01	5.21
			True	Calc.	% Drift			
31	t	Benzoic acid	25.000	32.400	-29.6#	221	0.02	5.33
			AvgRF	CCRF	% Dev			
32	t	bis(2-Chloroethoxy)methan	0.360	0.370	-2.8	166	0.00	5.24
33	t	2,4-Dichlorophenol	0.248	0.272	-9.7	172	0.01	5.36
34		2,6-Dichlorophenol	0.255	0.274	-7.5	172	0.00	5.50
35		1,3,5-Trichlorobenzene	0.295	0.306	-3.7	172	0.00	5.15
36	t	1,2,4-Trichlorobenzene	0.282	0.293	-3.9	172	0.00	5.37
37		1,2,3-Trichlorobenzene	0.271	0.278	-2.6	168	0.00	5.54

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7051-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152272.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	t	Naphthalene	0.992	1.005	-1.3	169	0.00	5.43
39	t	4-Chloroaniline	0.424	0.410	3.3	155	0.00	5.49
40	t	2,3-Dichloroaniline	0.333	0.327	1.8	158	0.01	6.16
41	t	Hydroquinone	0.257	0.230	10.5	112	0.02	5.82
42	t	Hexachlorobutadiene	0.133	0.140	-5.3	178	0.00	5.51
43	t	4-Chloro-3-methylphenol	0.255	0.270	-5.9	170	0.02	5.89
44	t	2-Methylnaphthalene	0.585	0.590	-0.9	166	0.00	5.93
45	t	1-Methylnaphthalene	0.634	0.648	-2.2	169	0.00	6.00
46	I	Acenaphthene-d10	1.000	1.000	0.0	158	0.01	6.79
47	t	Hexachlorocyclopentadiene	0.236	0.233	1.3	151	0.00	6.04
48		1,2,4,5-Tetrachlorobenzen	0.450	0.479	-6.4	161	0.00	6.05
49	t	2,4,6-Trichlorophenol	0.305	0.350	-14.8	165	0.01	6.17
50	t	2,4,5-Trichlorophenol	0.325	0.363	-11.7	163	0.02	6.24
51	S	2-Fluorobiphenyl	1.227	1.319	-7.5	162	0.00	6.21
52	t	2-Chloronaphthalene	1.124	1.213	-7.9	163	0.00	6.31
53	t	Biphenyl	1.480	1.567	-5.9	162	0.00	6.29
54	t	2-Nitroaniline	0.249	0.315	-26.5#	191	0.01	6.42
55	t	Dimethylphthalate	1.310	1.336	-2.0	155	0.00	6.55
56	t	Acenaphthylene	1.520	1.638	-7.8	162	0.01	6.67
			True	Calc.	% Drift			
57	t	2,6-Dinitrotoluene	25.000	28.966	-15.9	185	0.01	6.62
			AvgRF	CCRF	% Dev			
58	t	3-Nitroaniline	0.345	0.345	0.0	154	0.01	6.79
59	t	Acenaphthene	1.177	1.217	-3.4	160	0.01	6.83
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	63.026	-26.1#	216	0.01	6.89
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.136	12.3	134	0.04	7.09
62	t	Dibenzofuran	1.607	1.644	-2.3	159	0.00	7.00
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	25.000	27.625	-10.5	175	0.01	7.01
			AvgRF	CCRF	% Dev			
64		2,3,4,6-Tetrachlorophenol	0.245	0.255	-4.1	158	0.02	7.16
65	t	Diethylphthalate	1.315	1.385	-5.3	158	0.01	7.25
66	t	Fluorene	1.295	1.324	-2.2	156	0.01	7.37
67	t	4-Chlorophenyl-phenylethe	0.554	0.557	-0.5	156	0.01	7.37
68	t	4-Nitroaniline	0.355	0.350	1.4	140	0.02	7.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	147	0.02	8.61
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	25.000	32.975	-31.9#	213	0.00	7.45
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.601	0.648	-7.8	151	0.01	7.51
72	t	1,2-Diphenylhydrazine	0.619	0.729	-17.8	162	0.01	7.55
73	S	2,4,6-Tribromophenol	0.086	0.099	-15.1	160	0.01	7.66
74	t	4-Bromophenyl-phenylether	0.171	0.185	-8.2	156	0.01	7.97
75	t	Hexachlorobenzene	0.203	0.212	-4.4	151	0.01	8.04
			True	Calc.	% Drift			
76	t	Pentachlorophenol	50.000	46.991	6.0	138	0.02	8.37

8.7.28
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Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7051-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152272.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.082	1.100	-1.7	146	0.01	8.64
78	t	Anthracene	1.059	1.109	-4.7	144	0.01	8.72
79	t	Carbazole	1.043	1.044	-0.1	136	0.01	9.03
80	t	Di-n-butylphthalate	1.246	1.391	-11.6	148	0.02	9.68
81	t	Fluoranthene	1.093	1.088	0.5	135	0.01	10.74
82	t	Octadecane	0.344	0.445	-29.4#	178	0.01	8.49
83	I	Chrysene-d12	1.000	1.000	0.0	118	0.02	13.82
84	t	Benzidine	0.815	0.531	34.8#	78	0.02	11.13
85	t	Pyrene	1.276	1.479	-15.9	131	0.02	11.18
86	S	Terphenyl-d14	0.920	1.019	-10.8	127	0.02	11.61

			True	Calc.	% Drift			
87	t	Butylbenzylphthalate	25.000	28.925	-15.7	137	0.02	12.79

			AvgRF	CCRF	% Dev			
88	t	Benzo[a]anthracene	1.194	1.284	-7.5	121	0.02	13.80
89	t	3,3'-Dichlorobenzidine	0.471	0.493	-4.7	115	0.02	13.87
90	t	Chrysene	1.244	1.272	-2.3	116	0.02	13.87

			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	25.000	27.472	-9.9	130	0.02	14.18

			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	118	0.02	16.86

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	27.758	-11.0	134	0.02	15.63

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.164	1.296	-11.3	120	0.02	16.12
95	t	Benzo[k]fluoranthene	1.125	1.180	-4.9	114	0.02	16.17
96	t	Benzo[a]pyrene	1.032	1.172	-13.6	121	0.02	16.75
97	t	Indeno[1,2,3-cd]pyrene	0.885	1.024	-15.7	125	0.02	18.82
98	t	Dibenz(a,h)acridine	0.862	0.969	-12.4	125	0.02	18.46
99	t	Dibenz[a,h]anthracene	1.015	1.133	-11.6	123	0.02	18.88
100	t	7,12-Dimethylbenz(a)anthr	0.522	0.476	8.8	96	0.02	16.12
101	t	Benzo[g,h,i]perylene	1.037	1.156	-11.5	121	0.02	19.25

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p152326.D MP7003.M Mon Oct 31 16:19:06 2022 ACLIMS

8.7.28

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Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7051-CC7004
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152273.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ne...9-22\ep7051\p152273.d Vial: 3
Acq On : 28 Oct 2022 1:22 pm Operator: haroldl
Sample : cc7004-25 Inst : MSVOAMSP
Misc : op41953,ep7051,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Oct 26 07:51:49 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	158	-0.05	4.50
103	Benzaldehyde	1.026	1.052	-2.5	156	-0.19	4.19
104 I	Phenanthrene-d10b	1.000	1.000	0.0	131	-0.09	8.61
105	Atrazine	0.171	0.185	-8.2	132	-0.28	8.25
106	Naphthalene-d8b	1.000	1.000	0.0	153	-0.05	5.42
107	Caprolactam	0.087	0.120	-37.9#	193	-0.14	5.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p152133.d MP7003.M Fri Oct 28 20:52:10 2022

8.7.29

8

Continuing Calibration Summary

Job Number: JD54013 **Sample:** EP7051-CC7003
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** P152275.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ne...9-22\ep7051\p152275.d Vial: 5
Acq On : 28 Oct 2022 2:11 pm Operator: haroldl
Sample : CC7003-5 Inst : MSVOAMSP
Misc : op41953,ep7051,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP7003.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Oct 28 22:19:23 2022
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
108 I	Chrysene-d12d	1.000	1.000	0.0	100	0.00	13.81
109	2,3,7,8-tcdd	0.160	0.160	0.0	100	0.00	12.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p152275.d MP7003.M Fri Oct 28 22:22:30 2022

8.7.30

8

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9252 **Method:** EPA 625.1 **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9252-DFTPP	F209858.D	09/24/22 11:53	n/a	DFTPP Tune
EF9252-IC9252	F209861.D	09/24/22 13:26	n/a	Initial cal 100
EF9252-IC9252	F209862.D	09/24/22 14:03	n/a	Initial cal 1
EF9252-IC9252	F209863.D	09/24/22 14:29	n/a	Initial cal 80
EF9252-IC9252	F209864.D	09/24/22 14:54	n/a	Initial cal 2
EF9252-ICC9252	F209865.D	09/24/22 15:20	n/a	Initial cal 50
EF9252-IC9252	F209866.D	09/24/22 15:45	n/a	Initial cal 5
EF9252-IC9252	F209867.D	09/24/22 16:11	n/a	Initial cal 25
EF9252-IC9252	F209868.D	09/24/22 16:36	n/a	Initial cal 10

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9253 **Method:** EPA 625.1 **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9253-DFTPP	F209869.D	09/24/22 19:24	n/a	DFTPP Tune
EF9253-IC9253	F209870A.D	09/24/22 20:13	n/a	Initial cal 100
EF9253-IC9253	F209871.D	09/24/22 20:38	n/a	Initial cal 80
EF9253-ICC9253	F209872.D	09/24/22 21:02	n/a	Initial cal 50
EF9253-IC9253	F209873.D	09/24/22 21:27	n/a	Initial cal 25
EF9253-IC9253	F209874.D	09/24/22 21:52	n/a	Initial cal 10
EF9253-IC9253	F209875.D	09/24/22 22:17	n/a	Initial cal 5
EF9253-IC9253	F209876.D	09/24/22 22:42	n/a	Initial cal 2
EF9253-IC9253	F209877.D	09/24/22 23:07	n/a	Initial cal 1
EF9253-ICV9253	F209878.D	09/24/22 23:31	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9254 **Method:** EPA 625.1 **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9254-DFTPP	F209879.D	09/27/22 04:17	n/a	DFTPP Tune
EF9254-IC9254	F209880.D	09/27/22 04:37	n/a	Initial cal 100
EF9254-IC9254	F209881.D	09/27/22 05:03	n/a	Initial cal 80
EF9254-ICC9254	F209882.D	09/27/22 05:29	n/a	Initial cal 50
EF9254-IC9254	F209883.D	09/27/22 05:54	n/a	Initial cal 25
EF9254-IC9254	F209884.D	09/27/22 06:20	n/a	Initial cal 10
EF9254-IC9254	F209885.D	09/27/22 06:45	n/a	Initial cal 5
EF9254-IC9254	F209886.D	09/27/22 07:11	n/a	Initial cal 2
EF9254-IC9254	F209887.D	09/27/22 07:36	n/a	Initial cal 1
EF9254-ICV9254	F209888.D	09/27/22 08:02	n/a	Initial cal verification 50
EF9254-ICV9254	F209889.D	09/27/22 08:27	n/a	Initial cal verification 50
EF9254-ICV9254	F209890.D	09/27/22 08:53	n/a	Initial cal verification 50
EF9254-ICV9254	F209891.D	09/27/22 09:18	n/a	Initial cal verification 50
EF9254-ICV9252	F209892.D	09/27/22 09:44	n/a	Initial cal verification 50
EF9254-ICV9252	F209893.D	09/27/22 10:10	n/a	Initial cal verification 50
EF9254-ICV9252	F209894.D	09/27/22 10:35	n/a	Initial cal verification 50
EF9254-ICV9252	F209895.D	09/27/22 11:01	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9279 **Method:** SW846 8270E **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9279-DFTPP	F210424.D	10/26/22 13:51	n/a	DFTPP Tune
EF9279-CC9252	F210425.D	10/26/22 14:06	n/a	Continuing cal 50
EF9279-CC9253	F210426.D	10/26/22 14:34	n/a	Continuing cal 50
OP42699-MB1	F210428.D	10/26/22 16:01	OP42699	Method Blank
OP42699-BS1	F210429.D	10/26/22 17:23	OP42699	Blank Spike
OP42699-BSD	F210430.D	10/26/22 17:50	OP42699	Blank Spike Duplicate
ZZZZZZ	F210431.D	10/26/22 18:17	OP42699	(unrelated sample)
ZZZZZZ	F210432.D	10/26/22 18:44	OP42699	(unrelated sample)
ZZZZZZ	F210433A.D	10/26/22 20:21	OP42699	(unrelated sample)
ZZZZZZ	F210434.D	10/26/22 20:48	OP42699	(unrelated sample)
ZZZZZZ	F210435.D	10/26/22 21:15	OP42699	(unrelated sample)
ZZZZZZ	F210436.D	10/26/22 21:42	OP42699	(unrelated sample)
ZZZZZZ	F210437.D	10/26/22 22:09	OP42699	(unrelated sample)
JD54013-16	F210438.D	10/26/22 22:36	OP42699	MW-25(S)
JD54013-17	F210439.D	10/26/22 23:04	OP42699	MW-25(D)
JD54013-18	F210440.D	10/26/22 23:31	OP42699	MW-27(S)
JD54013-20	F210442.D	10/26/22 23:58	OP42699	MW-20(S)
JD54013-21	F210443.D	10/27/22 00:25	OP42699	MW-15(D)
JD54013-22	F210444.D	10/27/22 00:52	OP42699	MW-26(S)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9280 **Method:** SW846 8270E **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9280-DFTPP	F210451.D	10/27/22 08:40	n/a	DFTPP Tune
EF9280-CC9252	F210454.D	10/27/22 09:21	n/a	Continuing cal 25
EF9280-CC9253	F210455.D	10/27/22 09:48	n/a	Continuing cal 25
ZZZZZZ	F210456.D	10/27/22 10:30	OP42698	(unrelated sample)
ZZZZZZ	F210457.D	10/27/22 10:57	OP42698	(unrelated sample)
ZZZZZZ	F210458A.D	10/27/22 11:38	OP42698	(unrelated sample)
ZZZZZZ	F210459.D	10/27/22 12:05	OP42698	(unrelated sample)
ZZZZZZ	F210460.D	10/27/22 12:32	OP42698B	(unrelated sample)
ZZZZZZ	F210461.D	10/27/22 12:59	OP42698B	(unrelated sample)
ZZZZZZ	F210462.D	10/27/22 13:26	OP42698B	(unrelated sample)
ZZZZZZ	F210463.D	10/27/22 13:53	OP42698B	(unrelated sample)
ZZZZZZ	F210464.D	10/27/22 14:20	OP42698B	(unrelated sample)
ZZZZZZ	F210465.D	10/27/22 14:47	OP42698B	(unrelated sample)
ZZZZZZ	F210466.D	10/27/22 15:14	OP42698B	(unrelated sample)
ZZZZZZ	F210467.D	10/27/22 15:41	OP42698B	(unrelated sample)
ZZZZZZ	F210468.D	10/27/22 16:08	OP42698B	(unrelated sample)
JD54013-15	F210469.D	10/27/22 16:35	OP42699	MW-24(S)
ZZZZZZ	F210470.D	10/27/22 17:02	OP42699	(unrelated sample)
JD54013-19	F210471.D	10/27/22 17:29	OP42699	MW-27(D)
JD54013-20	F210473.D	10/27/22 18:23	OP42699	MW-20(S)
JD54013-21	F210474.D	10/27/22 18:49	OP42699	MW-15(D)
JD54013-22	F210475.D	10/27/22 19:16	OP42699	MW-26(S)
JD54013-21	F210476.D	10/27/22 19:43	OP42699	MW-15(D)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EF9284 **Method:** SW846 8270E **Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9284-DFTPP	F210557.D	10/31/22 09:30	n/a	DFTPP Tune
EF9284-CC9252	F210558.D	10/31/22 09:41	n/a	Continuing cal 25
EF9284-CC9253	F210559.D	10/31/22 10:06	n/a	Continuing cal 25
OP42730-MB1	F210561.D	10/31/22 11:59	OP42730	Method Blank
OP42730B-MB1	F210561.D	10/31/22 11:59	OP42730B	Method Blank
OP42730-BS1	F210562.D	10/31/22 12:24	OP42730	Blank Spike
OP42730B-BS1	F210562.D	10/31/22 12:24	OP42730B	Blank Spike
OP42730-MS	F210564.D	10/31/22 13:18	OP42730	Matrix Spike
OP42730-MSD	F210565.D	10/31/22 13:43	OP42730	Matrix Spike Duplicate
JD54246-4	F210566.D	10/31/22 14:09	OP42730	(used for QC only; not part of job JD54013)
OP42755-MB1	F210579.D	10/31/22 14:34	OP42755	Method Blank
ZZZZZZ	F210567.D	10/31/22 15:52	OP42730	(unrelated sample)
ZZZZZZ	F210568.D	10/31/22 16:17	OP42730	(unrelated sample)
ZZZZZZ	F210570.D	10/31/22 17:07	OP42730B	(unrelated sample)
ZZZZZZ	F210571.D	10/31/22 17:32	OP42698	(unrelated sample)
ZZZZZZ	F210572.D	10/31/22 17:58	OP42698	(unrelated sample)
ZZZZZZ	F210573.D	10/31/22 18:23	OP42614	(unrelated sample)
ZZZZZZ	F210574.D	10/31/22 18:48	OP42711	(unrelated sample)
ZZZZZZ	F210575.D	10/31/22 19:13	OP42711	(unrelated sample)
JD54013-19	F210576.D	10/31/22 19:38	OP42699	MW-27(D)
ZZZZZZ	F210577.D	10/31/22 20:03	OP42614	(unrelated sample)
JD54013-22	F210578.D	10/31/22 20:28	OP42699	MW-26(S)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EP7003 **Method:** SW846 8270E **Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7003-DFTPP	P151279.D	09/09/22 20:56	n/a	DFTPP Tune
EP7003-IC7003	P151280.D	09/09/22 21:23	n/a	Initial cal 100
EP7003-IC7003	P151281.D	09/09/22 21:47	n/a	Initial cal 1
EP7003-IC7003	P151282.D	09/09/22 22:12	n/a	Initial cal 80
EP7003-IC7003	P151283.D	09/09/22 22:37	n/a	Initial cal 2
EP7003-ICC7003	P151284.D	09/09/22 23:02	n/a	Initial cal 50
EP7003-IC7003	P151285.D	09/09/22 23:27	n/a	Initial cal 5
EP7003-IC7003	P151286.D	09/09/22 23:52	n/a	Initial cal 25
EP7003-IC7003	P151287.D	09/10/22 00:16	n/a	Initial cal 10
EP7003-ICV7003	P151288.D	09/10/22 00:41	n/a	Initial cal verification 50
EP7003-ICV7003	P151289.D	09/10/22 01:06	n/a	Initial cal verification 50
EP7003-ICV7003	P151290.D	09/10/22 01:31	n/a	Initial cal verification 50
EP7003-ICV7003	P151291A.D	09/10/22 02:00	n/a	Initial cal verification 50
EP7003-ICV7003	P151292B.D	09/10/22 02:25	n/a	Initial cal verification 50
EP7003-ICV7003	P151293.D	09/10/22 02:50	n/a	Initial cal verification 50
EP7003-ICV7003	P151294.D	09/10/22 03:16	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EP7004	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7004-DFTPP	P151295.D	09/10/22 05:00	n/a	DFTPP Tune
EP7004-IC7004	P151296A.D	09/10/22 05:39	n/a	Initial cal 100
EP7004-IC7004	P151297.D	09/10/22 06:04	n/a	Initial cal 80
EP7004-ICC7004	P151298.D	09/10/22 06:28	n/a	Initial cal 50
EP7004-IC7004	P151299A.D	09/10/22 07:34	n/a	Initial cal 25
EP7004-IC7004	P151300.D	09/10/22 07:58	n/a	Initial cal 10
EP7004-IC7004	P151301.D	09/10/22 08:23	n/a	Initial cal 5
EP7004-IC7004	P151302.D	09/10/22 08:48	n/a	Initial cal 2
EP7004-IC7004	P151303.D	09/10/22 09:13	n/a	Initial cal 1
EP7004-ICV7004	P151304.D	09/10/22 09:37	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EP7048	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7048-DFTPP	P152188.D	10/26/22 11:51	n/a	DFTPP Tune
EP7048-CC7003	P152189.D	10/26/22 12:03	n/a	Continuing cal 25
EP7048-CC7004	P152190.D	10/26/22 12:28	n/a	Continuing cal 25
OP42633-MB1	P152192.D	10/26/22 13:36	OP42633	Method Blank
OP42633B-MB1	P152192.D	10/26/22 13:36	OP42633B	Method Blank
OP42633-BS1	P152193.D	10/26/22 14:01	OP42633	Blank Spike
OP42633B-BS1	P152193.D	10/26/22 14:01	OP42633B	Blank Spike
ZZZZZZ	P152195.D	10/26/22 14:54	OP42670	(unrelated sample)
ZZZZZZ	P152196.D	10/26/22 15:19	OP42670	(unrelated sample)
ZZZZZZ	P152197.D	10/26/22 15:44	OP42670	(unrelated sample)
OP42633-MS	P152198.D	10/26/22 16:09	OP42633	Matrix Spike
OP42633-MSD	P152199.D	10/26/22 16:34	OP42633	Matrix Spike Duplicate
JD54024-2	P152200.D	10/26/22 16:59	OP42633	(used for QC only; not part of job JD54013)
JD54013-1	P152201.D	10/26/22 17:24	OP42633	MW-7R
JD54013-2	P152202.D	10/26/22 17:49	OP42633	MW-16(S)
JD54013-3	P152203.D	10/26/22 18:14	OP42633	FB-1
ZZZZZZ	P152204.D	10/26/22 18:39	OP42633	(unrelated sample)
ZZZZZZ	P152205.D	10/26/22 19:04	OP42633	(unrelated sample)
ZZZZZZ	P152206.D	10/26/22 19:28	OP42633B	(unrelated sample)
JD54013-6	P152207.D	10/26/22 19:53	OP42633	MW-11(D)
JD54013-7	P152208.D	10/26/22 20:18	OP42633	MW-21(S)
JD54013-8	P152209.D	10/26/22 20:43	OP42633	MW-30(S)
JD54013-9	P152210.D	10/26/22 21:08	OP42633	MW-30(D)
JD54013-10	P152211.D	10/26/22 21:33	OP42633	MW-19(D)
JD54013-12	P152212.D	10/26/22 21:58	OP42633	MW-24(D)
JD54013-13	P152213.D	10/26/22 22:23	OP42633	MW-9
JD54013-14	P152214.D	10/26/22 22:48	OP42633	MW-9 DUP
ZZZZZZ	P152215.D	10/26/22 23:12	OP42633B	(unrelated sample)
JD54013-11	P152216.D	10/26/22 23:37	OP42633	MW-10

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EP7050	**Method:** SW846 8270E	**Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7050-DFTPP	P152240.D	10/27/22 14:24	n/a	DFTPP Tune
EP7050-CC7003	P152241.D	10/27/22 14:43	n/a	Continuing cal 50
EP7050-CC7004	P152242.D	10/27/22 15:23	n/a	Continuing cal 50
OP42633-BSD	P152244.D	10/27/22 16:33	OP42633	Blank Spike Duplicate
OP42633B-BSD	P152244.D	10/27/22 16:33	OP42633B	Blank Spike Duplicate
JD54013-1	P152246.D	10/27/22 18:01	OP42633	MW-7R
JD54013-1	P152247.D	10/27/22 18:25	OP42633	MW-7R
JD54013-2	P152248.D	10/27/22 18:50	OP42633	MW-16(S)
JD54013-5	P152250.D	10/27/22 19:40	OP42633	MW-17(S)
JD54013-5	P152251.D	10/27/22 20:05	OP42633	MW-17(S)
JD54013-6	P152252.D	10/27/22 20:30	OP42633	MW-11(D)
JD54013-6	P152253.D	10/27/22 20:54	OP42633	MW-11(D)
JD54013-7	P152254.D	10/27/22 21:19	OP42633	MW-21(S)
JD54013-9	P152255.D	10/27/22 21:44	OP42633	MW-30(D)
JD54013-10	P152256.D	10/27/22 22:09	OP42633	MW-19(D)
JD54013-11	P152257.D	10/27/22 22:34	OP42633	MW-10
JD54013-11	P152258.D	10/27/22 22:58	OP42633	MW-10
JD54013-13	P152259.D	10/27/22 23:23	OP42633	MW-9
JD54013-13	P152260.D	10/27/22 23:48	OP42633	MW-9
JD54013-14	P152261.D	10/28/22 00:13	OP42633	MW-9 DUP
JD54013-14	P152262.D	10/28/22 00:37	OP42633	MW-9 DUP

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: EP7051 **Method:** SW846 8270E **Instrument ID:** GCMSP

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EP7051-DFTPP	P152271.D	10/28/22 12:29	n/a	DFTPP Tune
EP7051-CC7003	P152272.D	10/28/22 12:38	n/a	Continuing cal 25
EP7051-CC7004	P152273.D	10/28/22 13:22	n/a	Continuing cal 25
EP7051-CC7003	P152275.D	10/28/22 14:11	n/a	Continuing cal 5
OP42729-MB1	P152276.D	10/28/22 14:36	OP42729	Method Blank
OP42729-BS1	P152277.D	10/28/22 15:01	OP42729	Blank Spike
OP42746-MB1	P152278.D	10/28/22 15:26	OP42746	Method Blank
OP42746B-MB1	P152278.D	10/28/22 15:26	OP42746B	Method Blank
OP42746-BS1	P152279.D	10/28/22 15:50	OP42746	Blank Spike
OP42746B-BS1	P152279.D	10/28/22 15:50	OP42746B	Blank Spike
OP42746-BSD	P152280.D	10/28/22 16:15	OP42746	Blank Spike Duplicate
OP42746B-BSD	P152280.D	10/28/22 16:15	OP42746B	Blank Spike Duplicate
ZZZZZZ	P152281.D	10/28/22 16:40	OP42746B	(unrelated sample)
ZZZZZZ	P152281.D	10/28/22 16:40	OP42746B	(unrelated sample)
ZZZZZZ	P152282.D	10/28/22 17:05	OP42746	(unrelated sample)
ZZZZZZ	P152283.D	10/28/22 17:29	OP42746	(unrelated sample)
ZZZZZZ	P152284.D	10/28/22 17:54	OP42746	(unrelated sample)
ZZZZZZ	P152285.D	10/28/22 18:19	OP42746	(unrelated sample)
ZZZZZZ	P152286.D	10/28/22 18:44	OP42746	(unrelated sample)
ZZZZZZ	P152287.D	10/28/22 19:08	OP42746	(unrelated sample)
ZZZZZZ	P152288.D	10/28/22 19:33	OP42746	(unrelated sample)
ZZZZZZ	P152289.D	10/28/22 19:58	OP42746	(unrelated sample)
ZZZZZZ	P152290.D	10/28/22 20:22	OP42746	(unrelated sample)
ZZZZZZ	P152291.D	10/28/22 20:47	OP42746	(unrelated sample)
OP42729-MS	P152292.D	10/28/22 21:12	OP42729	Matrix Spike
OP42729-MSD	P152293.D	10/28/22 21:37	OP42729	Matrix Spike Duplicate
JD54108-1	P152294.D	10/28/22 22:01	OP42729	(used for QC only; not part of job JD54013)
JD54013-2	P152295.D	10/28/22 22:26	OP42633	MW-16(S)
ZZZZZZ	P152296.D	10/28/22 22:51	OP42676	(unrelated sample)
ZZZZZZ	P152297.D	10/28/22 23:15	OP42676	(unrelated sample)
ZZZZZZ	P152298.D	10/28/22 23:40	OP42676	(unrelated sample)
ZZZZZZ	P152299.D	10/29/22 00:05	OP42676	(unrelated sample)

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7704-MB	3D183168.D	1	10/21/22	KM	n/a	n/a	V3D7704

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	20.3	130	19	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7704-MB	3D183168.D	1	10/21/22	KM	n/a	n/a	V3D7704

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	80-120%
2037-26-5	Toluene-D8	103%	80-120%
460-00-4	4-Bromofluorobenzene	105%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7708-MB	3D183263.D	1	10/24/22	NW	n/a	n/a	V3D7708

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-2, JD54013-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7708-MB	3D183263.D	1	10/24/22	NW	n/a	n/a	V3D7708

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-2, JD54013-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	80-120%
2037-26-5	Toluene-D8	104%	80-120%
460-00-4	4-Bromofluorobenzene	102%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2U2006-MB	2U49419.D	1	10/25/22	ED	n/a	n/a	V2U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-15, JD54013-17

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2U2006-MB	2U49419.D	1	10/25/22	ED	n/a	n/a	V2U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-15, JD54013-17

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	80-120%
2037-26-5	Toluene-D8	102%	80-120%
460-00-4	4-Bromofluorobenzene	99%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.36	14	ug/l	J
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1U2006-MB	1U49420.D	1	10/25/22	ED	n/a	n/a	V1U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-16, JD54013-18, JD54013-22

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1U2006-MB	1U49420.D	1	10/25/22	ED	n/a	n/a	V1U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-16, JD54013-18, JD54013-22

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	98%	80-120%
2037-26-5	Toluene-D8	101%	80-120%
460-00-4	4-Bromofluorobenzene	96%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.36	8.1	ug/l	J
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7712-MB	3D183379.D	1	10/26/22	NW	n/a	n/a	V3D7712

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-5, JD54013-6, JD54013-7, JD54013-9, JD54013-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7712-MB	3D183379.D	1	10/26/22	NW	n/a	n/a	V3D7712

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-5, JD54013-6, JD54013-7, JD54013-9, JD54013-10

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	80-120%
2037-26-5	Toluene-D8	101%	80-120%
460-00-4	4-Bromofluorobenzene	101%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9618-MB	2A221264.D	1	10/27/22	NW	n/a	n/a	V2A9618

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-8, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9618-MB	2A221264.D	1	10/27/22	NW	n/a	n/a	V2A9618

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-8, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	95%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A9741-MB	1A227608.D	1	10/27/22	NW	n/a	n/a	V1A9741

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	1.7	2.0	1.6	ug/l	J
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	111	130	19	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A9741-MB	1A227608.D	1	10/27/22	NW	n/a	n/a	V1A9741

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	113%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	95%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7704-BS	3D183166.D	1	10/21/22	KM	n/a	n/a	V3D7704

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	181	91	27-175
71-43-2	Benzene	50	44.3	89	80-115
74-97-5	Bromochloromethane	50	43.4	87	83-122
75-27-4	Bromodichloromethane	50	45.6	91	82-119
75-25-2	Bromoform	50	49.8	100	77-135
74-83-9	Bromomethane	50	30.5	61	40-162
78-93-3	2-Butanone (MEK)	200	188	94	61-150
75-15-0	Carbon disulfide	50	45.2	90	64-130
56-23-5	Carbon tetrachloride	50	42.8	86	75-127
108-90-7	Chlorobenzene	50	46.1	92	80-115
75-00-3	Chloroethane	50	37.0	74	56-144
67-66-3	Chloroform	50	44.0	88	75-116
74-87-3	Chloromethane	50	42.1	84	41-153
110-82-7	Cyclohexane	50	41.4	83	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	54.3	109	69-134
124-48-1	Dibromochloromethane	50	45.7	91	81-123
106-93-4	1,2-Dibromoethane	50	46.5	93	67-138
95-50-1	1,2-Dichlorobenzene	50	47.0	94	81-117
541-73-1	1,3-Dichlorobenzene	50	47.4	95	81-115
106-46-7	1,4-Dichlorobenzene	50	46.5	93	80-114
75-71-8	Dichlorodifluoromethane	50	44.9	90	43-152
75-34-3	1,1-Dichloroethane	50	45.6	91	75-125
107-06-2	1,2-Dichloroethane	50	43.0	86	73-117
75-35-4	1,1-Dichloroethene	50	43.3	87	70-124
156-59-2	cis-1,2-Dichloroethene	50	43.7	87	80-120
156-60-5	trans-1,2-Dichloroethene	50	43.1	86	77-121
78-87-5	1,2-Dichloropropane	50	48.1	96	79-121
10061-01-5	cis-1,3-Dichloropropene	50	49.2	98	83-123
10061-02-6	trans-1,3-Dichloropropene	50	50.3	101	83-122
123-91-1	1,4-Dioxane	1250	1620	130	64-150
100-41-4	Ethylbenzene	50	43.3	87	78-116
76-13-1	Freon 113	50	43.8	88	68-134
591-78-6	2-Hexanone	200	207	104	66-136
98-82-8	Isopropylbenzene	50	45.0	90	78-121
79-20-9	Methyl Acetate	50	58.3	117	60-143
108-87-2	Methylcyclohexane	50	42.9	86	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7704-BS	3D183166.D	1	10/21/22	KM	n/a	n/a	V3D7704

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	43.5	87	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	199	100	73-134
75-09-2	Methylene chloride	50	44.6	89	73-123
100-42-5	Styrene	50	45.0	90	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	50.4	101	73-126
127-18-4	Tetrachloroethene	50	43.0	86	73-119
108-88-3	Toluene	50	44.2	88	79-116
87-61-6	1,2,3-Trichlorobenzene	50	50.3	101	63-137
120-82-1	1,2,4-Trichlorobenzene	50	50.4	101	68-135
71-55-6	1,1,1-Trichloroethane	50	43.0	86	76-124
79-00-5	1,1,2-Trichloroethane	50	48.3	97	83-117
79-01-6	Trichloroethene	50	43.7	87	80-118
75-69-4	Trichlorofluoromethane	50	43.7	87	67-134
75-01-4	Vinyl chloride	50	37.7	75	52-146
	m,p-Xylene	100	86.8	87	79-119
95-47-6	o-Xylene	50	42.6	85	81-119
1330-20-7	Xylene (total)	150	129	86	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	102%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7708-BS	3D183261.D	1	10/24/22	NW	n/a	n/a	V3D7708

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-2, JD54013-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	144	72	27-175
71-43-2	Benzene	50	47.0	94	80-115
74-97-5	Bromochloromethane	50	46.1	92	83-122
75-27-4	Bromodichloromethane	50	48.7	97	82-119
75-25-2	Bromoform	50	51.4	103	77-135
74-83-9	Bromomethane	50	38.8	78	40-162
78-93-3	2-Butanone (MEK)	200	170	85	61-150
75-15-0	Carbon disulfide	50	48.5	97	64-130
56-23-5	Carbon tetrachloride	50	47.0	94	75-127
108-90-7	Chlorobenzene	50	47.6	95	80-115
75-00-3	Chloroethane	50	37.4	75	56-144
67-66-3	Chloroform	50	46.6	93	75-116
74-87-3	Chloromethane	50	45.8	92	41-153
110-82-7	Cyclohexane	50	44.1	88	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	53.0	106	69-134
124-48-1	Dibromochloromethane	50	49.0	98	81-123
106-93-4	1,2-Dibromoethane	50	48.0	96	67-138
95-50-1	1,2-Dichlorobenzene	50	48.2	96	81-117
541-73-1	1,3-Dichlorobenzene	50	49.3	99	81-115
106-46-7	1,4-Dichlorobenzene	50	48.2	96	80-114
75-71-8	Dichlorodifluoromethane	50	51.2	102	43-152
75-34-3	1,1-Dichloroethane	50	47.3	95	75-125
107-06-2	1,2-Dichloroethane	50	45.5	91	73-117
75-35-4	1,1-Dichloroethene	50	46.8	94	70-124
156-59-2	cis-1,2-Dichloroethene	50	45.0	90	80-120
156-60-5	trans-1,2-Dichloroethene	50	46.3	93	77-121
78-87-5	1,2-Dichloropropane	50	50.5	101	79-121
10061-01-5	cis-1,3-Dichloropropene	50	53.8	108	83-123
10061-02-6	trans-1,3-Dichloropropene	50	54.5	109	83-122
123-91-1	1,4-Dioxane	1250	1150	92	64-150
100-41-4	Ethylbenzene	50	44.5	89	78-116
76-13-1	Freon 113	50	48.2	96	68-134
591-78-6	2-Hexanone	200	189	95	66-136
98-82-8	Isopropylbenzene	50	46.6	93	78-121
79-20-9	Methyl Acetate	50	50.6	101	60-143
108-87-2	Methylcyclohexane	50	47.6	95	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7708-BS	3D183261.D	1	10/24/22	NW	n/a	n/a	V3D7708

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-2, JD54013-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	45.0	90	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	197	99	73-134
75-09-2	Methylene chloride	50	46.3	93	73-123
100-42-5	Styrene	50	45.7	91	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	51.5	103	73-126
127-18-4	Tetrachloroethene	50	46.2	92	73-119
108-88-3	Toluene	50	46.4	93	79-116
87-61-6	1,2,3-Trichlorobenzene	50	52.3	105	63-137
120-82-1	1,2,4-Trichlorobenzene	50	54.8	110	68-135
71-55-6	1,1,1-Trichloroethane	50	46.6	93	76-124
79-00-5	1,1,2-Trichloroethane	50	50.4	101	83-117
79-01-6	Trichloroethene	50	46.7	93	80-118
75-69-4	Trichlorofluoromethane	50	47.6	95	67-134
75-01-4	Vinyl chloride	50	37.7	75	52-146
	m,p-Xylene	100	91.1	91	79-119
95-47-6	o-Xylene	50	43.2	86	81-119
1330-20-7	Xylene (total)	150	134	89	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	98%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	101%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1U2006-BS	1U49416.D	1	10/25/22	ED	n/a	n/a	V1U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-16, JD54013-18, JD54013-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	141	71	27-175
71-43-2	Benzene	50	44.6	89	80-115
74-97-5	Bromochloromethane	50	45.6	91	83-122
75-27-4	Bromodichloromethane	50	46.6	93	82-119
75-25-2	Bromoform	50	50.3	101	77-135
74-83-9	Bromomethane	50	44.9	90	40-162
78-93-3	2-Butanone (MEK)	200	167	84	61-150
75-15-0	Carbon disulfide	50	39.0	78	64-130
56-23-5	Carbon tetrachloride	50	42.8	86	75-127
108-90-7	Chlorobenzene	50	44.4	89	80-115
75-00-3	Chloroethane	50	43.6	87	56-144
67-66-3	Chloroform	50	43.7	87	75-116
74-87-3	Chloromethane	50	43.0	86	41-153
110-82-7	Cyclohexane	50	43.3	87	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	49.8	100	69-134
124-48-1	Dibromochloromethane	50	46.9	94	81-123
106-93-4	1,2-Dibromoethane	50	46.2	92	67-138
95-50-1	1,2-Dichlorobenzene	50	47.7	95	81-117
541-73-1	1,3-Dichlorobenzene	50	46.1	92	81-115
106-46-7	1,4-Dichlorobenzene	50	43.8	88	80-114
75-71-8	Dichlorodifluoromethane	50	40.9	82	43-152
75-34-3	1,1-Dichloroethane	50	43.1	86	75-125
107-06-2	1,2-Dichloroethane	50	43.4	87	73-117
75-35-4	1,1-Dichloroethene	50	42.6	85	70-124
156-59-2	cis-1,2-Dichloroethene	50	42.8	86	80-120
156-60-5	trans-1,2-Dichloroethene	50	37.9	76* [a]	77-121
78-87-5	1,2-Dichloropropane	50	45.2	90	79-121
10061-01-5	cis-1,3-Dichloropropene	50	46.5	93	83-123
10061-02-6	trans-1,3-Dichloropropene	50	47.9	96	83-122
123-91-1	1,4-Dioxane	1250	1190	95	64-150
100-41-4	Ethylbenzene	50	45.0	90	78-116
76-13-1	Freon 113	50	40.1	80	68-134
591-78-6	2-Hexanone	200	191	96	66-136
98-82-8	Isopropylbenzene	50	44.5	89	78-121
79-20-9	Methyl Acetate	50	42.8	86	60-143
108-87-2	Methylcyclohexane	50	43.1	86	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1U2006-BS	1U49416.D	1	10/25/22	ED	n/a	n/a	V1U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-16, JD54013-18, JD54013-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	202	101	73-134
75-09-2	Methylene chloride	50	42.9	86	73-123
100-42-5	Styrene	50	47.1	94	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	49.2	98	73-126
127-18-4	Tetrachloroethene	50	44.6	89	73-119
108-88-3	Toluene	50	43.6	87	79-116
87-61-6	1,2,3-Trichlorobenzene	50	45.7	91	63-137
120-82-1	1,2,4-Trichlorobenzene	50	48.1	96	68-135
71-55-6	1,1,1-Trichloroethane	50	42.3	85	76-124
79-00-5	1,1,2-Trichloroethane	50	46.1	92	83-117
79-01-6	Trichloroethene	50	41.7	83	80-118
75-69-4	Trichlorofluoromethane	50	50.9	102	67-134
75-01-4	Vinyl chloride	50	43.6	87	52-146
	m,p-Xylene	100	93.1	93	79-119
95-47-6	o-Xylene	50	47.0	94	81-119
1330-20-7	Xylene (total)	150	140	93	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	104%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	102%	82-114%

(a) Outside of in house control limits, but within the marginal exceedance limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2U2006-BS	2U49417.D	1	10/25/22	ED	n/a	n/a	V2U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-15, JD54013-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	171	86	27-175
71-43-2	Benzene	50	44.4	89	80-115
74-97-5	Bromochloromethane	50	43.7	87	83-122
75-27-4	Bromodichloromethane	50	46.4	93	82-119
75-25-2	Bromoform	50	45.8	92	77-135
74-83-9	Bromomethane	50	47.1	94	40-162
78-93-3	2-Butanone (MEK)	200	178	89	61-150
75-15-0	Carbon disulfide	50	40.0	80	64-130
56-23-5	Carbon tetrachloride	50	42.1	84	75-127
108-90-7	Chlorobenzene	50	45.0	90	80-115
75-00-3	Chloroethane	50	51.8	104	56-144
67-66-3	Chloroform	50	41.6	83	75-116
74-87-3	Chloromethane	50	43.1	86	41-153
110-82-7	Cyclohexane	50	47.4	95	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	47.3	95	69-134
124-48-1	Dibromochloromethane	50	43.5	87	81-123
106-93-4	1,2-Dibromoethane	50	46.1	92	67-138
95-50-1	1,2-Dichlorobenzene	50	44.7	89	81-117
541-73-1	1,3-Dichlorobenzene	50	45.2	90	81-115
106-46-7	1,4-Dichlorobenzene	50	42.9	86	80-114
75-71-8	Dichlorodifluoromethane	50	41.3	83	43-152
75-34-3	1,1-Dichloroethane	50	43.6	87	75-125
107-06-2	1,2-Dichloroethane	50	41.3	83	73-117
75-35-4	1,1-Dichloroethene	50	40.2	80	70-124
156-59-2	cis-1,2-Dichloroethene	50	42.8	86	80-120
156-60-5	trans-1,2-Dichloroethene	50	39.7	79	77-121
78-87-5	1,2-Dichloropropane	50	46.9	94	79-121
10061-01-5	cis-1,3-Dichloropropene	50	45.1	90	83-123
10061-02-6	trans-1,3-Dichloropropene	50	46.7	93	83-122
123-91-1	1,4-Dioxane	1250	1250	100	64-150
100-41-4	Ethylbenzene	50	44.1	88	78-116
76-13-1	Freon 113	50	40.3	81	68-134
591-78-6	2-Hexanone	200	194	97	66-136
98-82-8	Isopropylbenzene	50	45.4	91	78-121
79-20-9	Methyl Acetate	50	45.4	91	60-143
108-87-2	Methylcyclohexane	50	41.8	84	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2U2006-BS	2U49417.D	1	10/25/22	ED	n/a	n/a	V2U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-15, JD54013-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	43.9	88	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	202	101	73-134
75-09-2	Methylene chloride	50	43.5	87	73-123
100-42-5	Styrene	50	45.2	90	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	49.4	99	73-126
127-18-4	Tetrachloroethene	50	45.3	91	73-119
108-88-3	Toluene	50	45.6	91	79-116
87-61-6	1,2,3-Trichlorobenzene	50	47.9	96	63-137
120-82-1	1,2,4-Trichlorobenzene	50	46.7	93	68-135
71-55-6	1,1,1-Trichloroethane	50	43.9	88	76-124
79-00-5	1,1,2-Trichloroethane	50	45.6	91	83-117
79-01-6	Trichloroethene	50	44.5	89	80-118
75-69-4	Trichlorofluoromethane	50	50.8	102	67-134
75-01-4	Vinyl chloride	50	44.7	89	52-146
	m,p-Xylene	100	91.0	91	79-119
95-47-6	o-Xylene	50	43.2	86	81-119
1330-20-7	Xylene (total)	150	134	89	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	97%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7712-BS	3D183377.D	1	10/26/22	NW	n/a	n/a	V3D7712

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-5, JD54013-6, JD54013-7, JD54013-9, JD54013-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	245	123	27-175
71-43-2	Benzene	50	48.5	97	80-115
74-97-5	Bromochloromethane	50	47.8	96	83-122
75-27-4	Bromodichloromethane	50	49.2	98	82-119
75-25-2	Bromoform	50	53.3	107	77-135
74-83-9	Bromomethane	50	40.6	81	40-162
78-93-3	2-Butanone (MEK)	200	215	108	61-150
75-15-0	Carbon disulfide	50	51.0	102	64-130
56-23-5	Carbon tetrachloride	50	45.9	92	75-127
108-90-7	Chlorobenzene	50	47.2	94	80-115
75-00-3	Chloroethane	50	37.3	75	56-144
67-66-3	Chloroform	50	46.8	94	75-116
74-87-3	Chloromethane	50	44.6	89	41-153
110-82-7	Cyclohexane	50	43.3	87	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	55.2	110	69-134
124-48-1	Dibromochloromethane	50	49.0	98	81-123
106-93-4	1,2-Dibromoethane	50	49.9	100	67-138
95-50-1	1,2-Dichlorobenzene	50	49.3	99	81-117
541-73-1	1,3-Dichlorobenzene	50	50.2	100	81-115
106-46-7	1,4-Dichlorobenzene	50	49.2	98	80-114
75-71-8	Dichlorodifluoromethane	50	50.6	101	43-152
75-34-3	1,1-Dichloroethane	50	48.8	98	75-125
107-06-2	1,2-Dichloroethane	50	47.1	94	73-117
75-35-4	1,1-Dichloroethene	50	48.1	96	70-124
156-59-2	cis-1,2-Dichloroethene	50	46.2	92	80-120
156-60-5	trans-1,2-Dichloroethene	50	47.2	94	77-121
78-87-5	1,2-Dichloropropane	50	52.5	105	79-121
10061-01-5	cis-1,3-Dichloropropene	50	53.7	107	83-123
10061-02-6	trans-1,3-Dichloropropene	50	54.8	110	83-122
123-91-1	1,4-Dioxane	1250	1310	105	64-150
100-41-4	Ethylbenzene	50	45.8	92	78-116
76-13-1	Freon 113	50	46.0	92	68-134
591-78-6	2-Hexanone	200	229	115	66-136
98-82-8	Isopropylbenzene	50	48.5	97	78-121
79-20-9	Methyl Acetate	50	65.2	130	60-143
108-87-2	Methylcyclohexane	50	47.6	95	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7712-BS	3D183377.D	1	10/26/22	NW	n/a	n/a	V3D7712

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-5, JD54013-6, JD54013-7, JD54013-9, JD54013-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	47.8	96	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	219	110	73-134
75-09-2	Methylene chloride	50	47.8	96	73-123
100-42-5	Styrene	50	47.7	95	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	53.7	107	73-126
127-18-4	Tetrachloroethene	50	45.9	92	73-119
108-88-3	Toluene	50	47.1	94	79-116
87-61-6	1,2,3-Trichlorobenzene	50	51.9	104	63-137
120-82-1	1,2,4-Trichlorobenzene	50	52.6	105	68-135
71-55-6	1,1,1-Trichloroethane	50	46.0	92	76-124
79-00-5	1,1,2-Trichloroethane	50	49.9	100	83-117
79-01-6	Trichloroethene	50	45.5	91	80-118
75-69-4	Trichlorofluoromethane	50	47.9	96	67-134
75-01-4	Vinyl chloride	50	39.1	78	52-146
	m,p-Xylene	100	92.4	92	79-119
95-47-6	o-Xylene	50	45.5	91	81-119
1330-20-7	Xylene (total)	150	138	92	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	103%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9618-BS	2A221262.D	1	10/27/22	NW	n/a	n/a	V2A9618

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-8, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	125	63	27-175
71-43-2	Benzene	50	43.0	86	80-115
74-97-5	Bromochloromethane	50	47.9	96	83-122
75-27-4	Bromodichloromethane	50	44.8	90	82-119
75-25-2	Bromoform	50	59.3	119	77-135
74-83-9	Bromomethane	50	41.7	83	40-162
78-93-3	2-Butanone (MEK)	200	169	85	61-150
75-15-0	Carbon disulfide	50	40.9	82	64-130
56-23-5	Carbon tetrachloride	50	46.3	93	75-127
108-90-7	Chlorobenzene	50	46.4	93	80-115
75-00-3	Chloroethane	50	43.2	86	56-144
67-66-3	Chloroform	50	41.2	82	75-116
74-87-3	Chloromethane	50	25.4	51	41-153
110-82-7	Cyclohexane	50	41.2	82	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	56.8	114	69-134
124-48-1	Dibromochloromethane	50	54.1	108	81-123
106-93-4	1,2-Dibromoethane	50	51.5	103	67-138
95-50-1	1,2-Dichlorobenzene	50	46.5	93	81-117
541-73-1	1,3-Dichlorobenzene	50	44.9	90	81-115
106-46-7	1,4-Dichlorobenzene	50	44.4	89	80-114
75-71-8	Dichlorodifluoromethane	50	47.1	94	43-152
75-34-3	1,1-Dichloroethane	50	41.4	83	75-125
107-06-2	1,2-Dichloroethane	50	39.4	79	73-117
75-35-4	1,1-Dichloroethene	50	41.5	83	70-124
156-59-2	cis-1,2-Dichloroethene	50	43.3	87	80-120
156-60-5	trans-1,2-Dichloroethene	50	41.9	84	77-121
78-87-5	1,2-Dichloropropane	50	43.7	87	79-121
10061-01-5	cis-1,3-Dichloropropene	50	44.0	88	83-123
10061-02-6	trans-1,3-Dichloropropene	50	48.1	96	83-122
123-91-1	1,4-Dioxane	1250	1330	106	64-150
100-41-4	Ethylbenzene	50	42.8	86	78-116
76-13-1	Freon 113	50	45.2	90	68-134
591-78-6	2-Hexanone	200	179	90	66-136
98-82-8	Isopropylbenzene	50	43.1	86	78-121
79-20-9	Methyl Acetate	50	41.4	83	60-143
108-87-2	Methylcyclohexane	50	40.5	81	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A9618-BS	2A221262.D	1	10/27/22	NW	n/a	n/a	V2A9618

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-8, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	44.2	88	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	181	91	73-134
75-09-2	Methylene chloride	50	43.8	88	73-123
100-42-5	Styrene	50	46.2	92	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	47.5	95	73-126
127-18-4	Tetrachloroethene	50	46.4	93	73-119
108-88-3	Toluene	50	44.7	89	79-116
87-61-6	1,2,3-Trichlorobenzene	50	51.0	102	63-137
120-82-1	1,2,4-Trichlorobenzene	50	52.8	106	68-135
71-55-6	1,1,1-Trichloroethane	50	44.0	88	76-124
79-00-5	1,1,2-Trichloroethane	50	48.9	98	83-117
79-01-6	Trichloroethene	50	43.7	87	80-118
75-69-4	Trichlorofluoromethane	50	46.5	93	67-134
75-01-4	Vinyl chloride	50	28.1	56	52-146
	m,p-Xylene	100	88.3	88	79-119
95-47-6	o-Xylene	50	43.7	87	81-119
1330-20-7	Xylene (total)	150	132	88	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-120%
17060-07-0	1,2-Dichloroethane-D4	88%	80-120%
2037-26-5	Toluene-D8	102%	80-120%
460-00-4	4-Bromofluorobenzene	94%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A9741-BS	1A227606.D	1	10/27/22	NW	n/a	n/a	V1A9741

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	218	109	27-175
71-43-2	Benzene	50	46.7	93	80-115
74-97-5	Bromochloromethane	50	44.9	90	83-122
75-27-4	Bromodichloromethane	50	48.3	97	82-119
75-25-2	Bromoform	50	49.5	99	77-135
74-83-9	Bromomethane	50	33.4	67	40-162
78-93-3	2-Butanone (MEK)	200	196	98	61-150
75-15-0	Carbon disulfide	50	45.3	91	64-130
56-23-5	Carbon tetrachloride	50	43.2	86	75-127
108-90-7	Chlorobenzene	50	43.5	87	80-115
75-00-3	Chloroethane	50	41.3	83	56-144
67-66-3	Chloroform	50	42.7	85	75-116
74-87-3	Chloromethane	50	48.9	98	41-153
110-82-7	Cyclohexane	50	45.2	90	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	50.2	100	69-134
124-48-1	Dibromochloromethane	50	45.5	91	81-123
106-93-4	1,2-Dibromoethane	50	45.3	91	67-138
95-50-1	1,2-Dichlorobenzene	50	47.1	94	81-117
541-73-1	1,3-Dichlorobenzene	50	46.6	93	81-115
106-46-7	1,4-Dichlorobenzene	50	43.5	87	80-114
75-71-8	Dichlorodifluoromethane	50	51.1	102	43-152
75-34-3	1,1-Dichloroethane	50	45.0	90	75-125
107-06-2	1,2-Dichloroethane	50	49.5	99	73-117
75-35-4	1,1-Dichloroethene	50	43.4	87	70-124
156-59-2	cis-1,2-Dichloroethene	50	42.8	86	80-120
156-60-5	trans-1,2-Dichloroethene	50	42.3	85	77-121
78-87-5	1,2-Dichloropropane	50	48.1	96	79-121
10061-01-5	cis-1,3-Dichloropropene	50	48.5	97	83-123
10061-02-6	trans-1,3-Dichloropropene	50	45.3	91	83-122
123-91-1	1,4-Dioxane	1250	691	55* [a]	64-150
100-41-4	Ethylbenzene	50	43.7	87	78-116
76-13-1	Freon 113	50	45.5	91	68-134
591-78-6	2-Hexanone	200	204	102	66-136
98-82-8	Isopropylbenzene	50	46.6	93	78-121
79-20-9	Methyl Acetate	50	44.3	89	60-143
108-87-2	Methylcyclohexane	50	51.2	102	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A9741-BS	1A227606.D	1	10/27/22	NW	n/a	n/a	V1A9741

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	46.6	93	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	209	105	73-134
75-09-2	Methylene chloride	50	45.1	90	73-123
100-42-5	Styrene	50	46.9	94	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	43.0	86	73-126
127-18-4	Tetrachloroethene	50	45.0	90	73-119
108-88-3	Toluene	50	43.0	86	79-116
87-61-6	1,2,3-Trichlorobenzene	50	57.1	114	63-137
120-82-1	1,2,4-Trichlorobenzene	50	60.0	120	68-135
71-55-6	1,1,1-Trichloroethane	50	44.8	90	76-124
79-00-5	1,1,2-Trichloroethane	50	43.5	87	83-117
79-01-6	Trichloroethene	50	45.6	91	80-118
75-69-4	Trichlorofluoromethane	50	47.5	95	67-134
75-01-4	Vinyl chloride	50	45.4	91	52-146
	m,p-Xylene	100	88.5	89	79-119
95-47-6	o-Xylene	50	45.0	90	81-119
1330-20-7	Xylene (total)	150	133	89	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	108%	80-120%
2037-26-5	Toluene-D8	92%	80-120%
460-00-4	4-Bromofluorobenzene	94%	82-114%

(a) Outside control limits. This compound is not reported in associated samples.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-1MS	3D183171.D	10	10/22/22	KM	n/a	n/a	V3D7704
JD54013-1MSD	3D183172.D	10	10/22/22	KM	n/a	n/a	V3D7704
JD54013-1 [a]	3D183170.D	10	10/21/22	KM	n/a	n/a	V3D7704

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-4

CAS No.	Compound	JD54013-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2000	1480	74	2000	1380	69	7	22-134/19
71-43-2	Benzene	2150	E	500	2240	18* [b]	500	2210	12* [b]	1	49-137/12
74-97-5	Bromochloromethane	ND		500	439	88	500	441	88	0	78-122/12
75-27-4	Bromodichloromethane	ND		500	468	94	500	469	94	0	76-121/12
75-25-2	Bromoform	ND		500	518	104	500	516	103	0	70-133/13
74-83-9	Bromomethane	ND		500	286	57	500	301	60	5	27-164/38
78-93-3	2-Butanone (MEK)	ND		2000	1680	84	2000	1650	83	2	52-137/17
75-15-0	Carbon disulfide	ND		500	451	90	500	444	89	2	54-136/16
56-23-5	Carbon tetrachloride	ND		500	444	89	500	444	89	0	70-132/13
108-90-7	Chlorobenzene	ND		500	465	93	500	466	93	0	68-123/12
75-00-3	Chloroethane	ND		500	348	70	500	344	69	1	48-152/17
67-66-3	Chloroform	66.5		500	493	85	500	500	87	1	68-120/13
74-87-3	Chloromethane	ND		500	388	78	500	400	80	3	35-156/18
110-82-7	Cyclohexane	22.8	J	500	438	83	500	434	82	1	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	567	113	500	548	110	3	63-134/16
124-48-1	Dibromochloromethane	ND		500	484	97	500	480	96	1	75-122/12
106-93-4	1,2-Dibromoethane	ND		500	476	95	500	480	96	1	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		500	474	95	500	460	92	3	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		500	460	92	500	449	90	2	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		500	466	93	500	470	94	1	72-117/12
75-71-8	Dichlorodifluoromethane	ND		500	448	90	500	434	87	3	34-163/16
75-34-3	1,1-Dichloroethane	ND		500	454	91	500	452	90	0	68-129/13
107-06-2	1,2-Dichloroethane	ND		500	489	98	500	498	100	2	66-120/13
75-35-4	1,1-Dichloroethene	ND		500	445	89	500	440	88	1	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		500	422	84	500	429	86	2	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		500	425	85	500	426	85	0	70-125/13
78-87-5	1,2-Dichloropropane	ND		500	475	95	500	483	97	2	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		500	503	101	500	507	101	1	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		500	512	102	500	518	104	1	75-122/12
123-91-1	1,4-Dioxane	ND		12500	10300	82	12500	15000	120	37	57-145/40
100-41-4	Ethylbenzene	1210		500	1410	40	500	1380	34* [b]	2	37-144/12
76-13-1	Freon 113	ND		500	455	91	500	449	90	1	61-142/14
591-78-6	2-Hexanone	ND		2000	2030	102	2000	1990	100	2	56-132/16
98-82-8	Isopropylbenzene	51.1		500	504	91	500	490	88	3	71-126/13
79-20-9	Methyl Acetate	ND		500	505	101	500	495	99	2	51-139/18
108-87-2	Methylcyclohexane	27.5	J	500	451	85	500	452	85	0	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-1MS	3D183171.D	10	10/22/22	KM	n/a	n/a	V3D7704
JD54013-1MSD	3D183172.D	10	10/22/22	KM	n/a	n/a	V3D7704
JD54013-1 [a]	3D183170.D	10	10/21/22	KM	n/a	n/a	V3D7704

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-4

CAS No.	Compound	JD54013-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		500	451	90	500	446	89	1	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		2000	2030	102	2000	2030	102	0	65-135/14
75-09-2	Methylene chloride	ND		500	446	89	500	428	86	4	66-125/14
100-42-5	Styrene	ND		500	657	131	500	647	129	2	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	516	103	500	512	102	1	68-127/14
127-18-4	Tetrachloroethene	ND		500	453	91	500	461	92	2	58-132/13
108-88-3	Toluene	2860	E	500	2950	18* [b]	500	2920	12* [b]	1	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		500	586	117	500	578	116	1	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		500	571	114	500	553	111	3	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		500	439	88	500	444	89	1	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		500	491	98	500	472	94	4	75-120/12
79-01-6	Trichloroethene	ND		500	437	87	500	443	89	1	56-136/12
75-69-4	Trichlorofluoromethane	ND		500	449	90	500	445	89	1	61-145/16
75-01-4	Vinyl chloride	ND		500	355	71	500	347	69	2	41-156/16
	m,p-Xylene	4190	E	1000	4570	38	1000	4490	30* [b]	2	32-151/12
95-47-6	o-Xylene	1700		500	1950	50	500	1930	46* [b]	1	50-139/12
1330-20-7	Xylene (total)	5890	E	1500	6530	43	1500	6420	35* [b]	2	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54013-1	Limits
1868-53-7	Dibromofluoromethane	96%	95%	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	103%	80-120%
2037-26-5	Toluene-D8	98%	97%	101%	80-120%
460-00-4	4-Bromofluorobenzene	105%	104%	103%	82-114%

(a) Dilution required due to high concentrations of target and non-target compounds.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-2MS	3D183273.D	20	10/24/22	NW	n/a	n/a	V3D7708
JD54013-2MSD	3D183274.D	20	10/24/22	NW	n/a	n/a	V3D7708
JD54013-2 [a]	3D183266.D	20	10/24/22	NW	n/a	n/a	V3D7708

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-2, JD54013-3

CAS No.	Compound	JD54013-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		4000	3170	79	4000	3160	79	0	22-134/19
71-43-2	Benzene	48.5		1000	1030	98	1000	1020	97	1	49-137/12
74-97-5	Bromochloromethane	ND		1000	1010	101	1000	995	100	1	78-122/12
75-27-4	Bromodichloromethane	ND		1000	1030	103	1000	1010	101	2	76-121/12
75-25-2	Bromoform	ND		1000	1090	109	1000	1080	108	1	70-133/13
74-83-9	Bromomethane	ND		1000	718	72	1000	679	68	6	27-164/38
78-93-3	2-Butanone (MEK)	ND		4000	3660	92	4000	3680	92	1	52-137/17
75-15-0	Carbon disulfide	ND		1000	995	100	1000	998	100	0	54-136/16
56-23-5	Carbon tetrachloride	ND		1000	969	97	1000	993	99	2	70-132/13
108-90-7	Chlorobenzene	ND		1000	972	97	1000	979	98	1	68-123/12
75-00-3	Chloroethane	ND		1000	736	74	1000	712	71	3	48-152/17
67-66-3	Chloroform	ND		1000	1000	100	1000	1010	101	1	68-120/13
74-87-3	Chloromethane	ND		1000	846	85	1000	812	81	4	35-156/18
110-82-7	Cyclohexane	ND		1000	893	89	1000	852	85	5	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		1000	1130	113	1000	1180	118	4	63-134/16
124-48-1	Dibromochloromethane	ND		1000	1030	103	1000	993	99	4	75-122/12
106-93-4	1,2-Dibromoethane	ND		1000	1010	101	1000	1030	103	2	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		1000	1000	100	1000	987	99	1	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		1000	1020	102	1000	1010	101	1	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		1000	986	99	1000	966	97	2	72-117/12
75-71-8	Dichlorodifluoromethane	ND		1000	982	98	1000	957	96	3	34-163/16
75-34-3	1,1-Dichloroethane	ND		1000	1030	103	1000	1010	101	2	68-129/13
107-06-2	1,2-Dichloroethane	ND		1000	965	97	1000	986	99	2	66-120/13
75-35-4	1,1-Dichloroethene	ND		1000	979	98	1000	973	97	1	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		1000	938	94	1000	965	97	3	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		1000	990	99	1000	968	97	2	70-125/13
78-87-5	1,2-Dichloropropane	ND		1000	1090	109	1000	1060	106	3	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		1000	1130	113	1000	1130	113	0	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		1000	1080	108	1000	1120	112	4	75-122/12
123-91-1	1,4-Dioxane	ND		25000	17000	68	25000	33900	136	66* [b]	57-145/40
100-41-4	Ethylbenzene	221		1000	1090	87	1000	1070	85	2	37-144/12
76-13-1	Freon 113	ND		1000	993	99	1000	967	97	3	61-142/14
591-78-6	2-Hexanone	ND		4000	4230	106	4000	4230	106	0	56-132/16
98-82-8	Isopropylbenzene	49.1		1000	1010	96	1000	1010	96	0	71-126/13
79-20-9	Methyl Acetate	ND		1000	1110	111	1000	1120	112	1	51-139/18
108-87-2	Methylcyclohexane	14.7	J	1000	974	96	1000	968	95	1	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-2MS	3D183273.D	20	10/24/22	NW	n/a	n/a	V3D7708
JD54013-2MSD	3D183274.D	20	10/24/22	NW	n/a	n/a	V3D7708
JD54013-2 [a]	3D183266.D	20	10/24/22	NW	n/a	n/a	V3D7708

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-1, JD54013-2, JD54013-3

CAS No.	Compound	JD54013-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		1000	971	97	1000	983	98	1	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		4000	4480	112	4000	4400	110	2	65-135/14
75-09-2	Methylene chloride	ND		1000	987	99	1000	972	97	2	66-125/14
100-42-5	Styrene	ND		1000	965	97	1000	972	97	1	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	1080	108	1000	1080	108	0	68-127/14
127-18-4	Tetrachloroethene	ND		1000	944	94	1000	946	95	0	58-132/13
108-88-3	Toluene	51.9		1000	996	94	1000	996	94	0	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		1000	1180	118	1000	1190	119	1	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		1000	1140	114	1000	1130	113	1	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		1000	984	98	1000	990	99	1	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		1000	1020	102	1000	1010	101	1	75-120/12
79-01-6	Trichloroethene	ND		1000	951	95	1000	946	95	1	56-136/12
75-69-4	Trichlorofluoromethane	ND		1000	949	95	1000	942	94	1	61-145/16
75-01-4	Vinyl chloride	ND		1000	742	74	1000	716	72	4	41-156/16
	m,p-Xylene	304		2000	2110	90	2000	2100	90	0	32-151/12
95-47-6	o-Xylene	218		1000	1100	88	1000	1090	87	1	50-139/12
1330-20-7	Xylene (total)	522		3000	3210	90	3000	3190	89	1	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54013-2	Limits
1868-53-7	Dibromofluoromethane	101%	100%	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	104%	101%	80-120%
2037-26-5	Toluene-D8	97%	97%	103%	80-120%
460-00-4	4-Bromofluorobenzene	102%	101%	101%	82-114%

(a) Dilution required due to high concentration of non-target compound.
(b) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-21MS [a]	2U49423.D	20	10/25/22	ED	n/a	n/a	V2U2006
JD54013-21MSD [a]	2U49425.D	20	10/25/22	ED	n/a	n/a	V2U2006
JD54013-21 [b]	2U49421.D	20	10/25/22	ED	n/a	n/a	V2U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-15, JD54013-17

CAS No.	Compound	JD54013-21 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		4000	3120	78	4000	3020	76	3	22-134/19
71-43-2	Benzene	6440	E	1000	6350	-9* [c]	1000	6290	-15* [c]	1	49-137/12
74-97-5	Bromochloromethane	ND		1000	823	82	1000	826	83	0	78-122/12
75-27-4	Bromodichloromethane	ND		1000	958	96	1000	937	94	2	76-121/12
75-25-2	Bromoform	ND		1000	982	98	1000	954	95	3	70-133/13
74-83-9	Bromomethane	ND		1000	715	72	1000	639	64	11	27-164/38
78-93-3	2-Butanone (MEK)	ND		4000	3270	82	4000	3260	82	0	52-137/17
75-15-0	Carbon disulfide	9.4	J	1000	751	74	1000	754	74	0	54-136/16
56-23-5	Carbon tetrachloride	ND		1000	741	74	1000	750	75	1	70-132/13
108-90-7	Chlorobenzene	ND		1000	957	96	1000	957	96	0	68-123/12
75-00-3	Chloroethane	ND		1000	1430	143	1000	1320	132	8	48-152/17
67-66-3	Chloroform	119		1000	908	79	1000	897	78	1	68-120/13
74-87-3	Chloromethane	ND		1000	787	79	1000	809	81	3	35-156/18
110-82-7	Cyclohexane	24.1	J	1000	886	86	1000	867	84	2	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		1000	907	91	1000	920	92	1	63-134/16
124-48-1	Dibromochloromethane	ND		1000	968	97	1000	889	89	9	75-122/12
106-93-4	1,2-Dibromoethane	ND		1000	960	96	1000	938	94	2	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		1000	865	87	1000	856	86	1	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		1000	872	87	1000	877	88	1	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		1000	971	97	1000	936	94	4	72-117/12
75-71-8	Dichlorodifluoromethane	ND		1000	711	71	1000	746	75	5	34-163/16
75-34-3	1,1-Dichloroethane	ND		1000	807	81	1000	813	81	1	68-129/13
107-06-2	1,2-Dichloroethane	ND		1000	887	89	1000	890	89	0	66-120/13
75-35-4	1,1-Dichloroethene	ND		1000	732	73	1000	742	74	1	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		1000	819	82	1000	794	79	3	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		1000	727	73	1000	744	74	2	70-125/13
78-87-5	1,2-Dichloropropane	ND		1000	955	96	1000	967	97	1	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		1000	950	95	1000	924	92	3	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		1000	1000	100	1000	961	96	4	75-122/12
123-91-1	1,4-Dioxane	ND		25000	27800	111	25000	26000	104	7	57-145/40
100-41-4	Ethylbenzene	1590		1000	2400	81	1000	2370	78	1	37-144/12
76-13-1	Freon 113	ND		1000	764	76	1000	734	73	4	61-142/14
591-78-6	2-Hexanone	ND		4000	4030	101	4000	3930	98	3	56-132/16
98-82-8	Isopropylbenzene	62.3		1000	981	92	1000	978	92	0	71-126/13
79-20-9	Methyl Acetate	ND		1000	829	83	1000	809	81	2	51-139/18
108-87-2	Methylcyclohexane	36.0	J	1000	836	80	1000	873	84	4	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-21MS [a]	2U49423.D	20	10/25/22	ED	n/a	n/a	V2U2006
JD54013-21MSD [a]	2U49425.D	20	10/25/22	ED	n/a	n/a	V2U2006
JD54013-21 [b]	2U49421.D	20	10/25/22	ED	n/a	n/a	V2U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-15, JD54013-17

CAS No.	Compound	JD54013-21 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		1000	853	85	1000	811	81	5	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		4000	4210	105	4000	4030	101	4	65-135/14
75-09-2	Methylene chloride	ND		1000	810	81	1000	792	79	2	66-125/14
100-42-5	Styrene	ND		1000	984	98	1000	949	95	4	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	947	95	1000	943	94	0	68-127/14
127-18-4	Tetrachloroethene	ND		1000	909	91	1000	912	91	0	58-132/13
108-88-3	Toluene	998		1000	1870	87	1000	1840	84	2	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		1000	897	90	1000	917	92	2	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		1000	922	92	1000	909	91	1	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		1000	818	82	1000	818	82	0	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		1000	955	96	1000	947	95	1	75-120/12
79-01-6	Trichloroethene	ND		1000	941	94	1000	916	92	3	56-136/12
75-69-4	Trichlorofluoromethane	ND		1000	911	91	1000	915	92	0	61-145/16
75-01-4	Vinyl chloride	ND		1000	797	80	1000	812	81	2	41-156/16
	m,p-Xylene	2530		2000	4530	100	2000	4450	96	2	32-151/12
95-47-6	o-Xylene	1620		1000	2420	80	1000	2440	82	1	50-139/12
1330-20-7	Xylene (total)	4150		3000	6950	93	3000	6890	91	1	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54013-21	Limits
1868-53-7	Dibromofluoromethane	89%	87%	88%	80-120%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	102%	80-120%
2037-26-5	Toluene-D8	98%	99%	100%	80-120%
460-00-4	4-Bromofluorobenzene	91%	91%	89%	82-114%

(a) (pH= 3)Sample pH did not satisfy field preservation criteria.
(b) (pH= 3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.
(c) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-22MS [a]	1U49424.D	5	10/25/22	ED	n/a	n/a	V1U2006
JD54013-22MSD [a]	1U49426.D	5	10/25/22	ED	n/a	n/a	V1U2006
JD54013-22 [b]	1U49422.D	5	10/25/22	ED	n/a	n/a	V1U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-16, JD54013-18, JD54013-22

CAS No.	Compound	JD54013-22 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1000	614	61	1000	636	64	4	22-134/19
71-43-2	Benzene	804		250	873	28* [c]	250	916	45* [c]	5	49-137/12
74-97-5	Bromochloromethane	ND		250	219	88	250	232	93	6	78-122/12
75-27-4	Bromodichloromethane	ND		250	240	96	250	244	98	2	76-121/12
75-25-2	Bromoform	ND		250	257	103	250	268	107	4	70-133/13
74-83-9	Bromomethane	ND		250	173	69	250	166	66	4	27-164/38
78-93-3	2-Butanone (MEK)	ND		1000	772	77	1000	787	79	2	52-137/17
75-15-0	Carbon disulfide	ND		250	187	75	250	188	75	1	54-136/16
56-23-5	Carbon tetrachloride	ND		250	200	80	250	206	82	3	70-132/13
108-90-7	Chlorobenzene	ND		250	233	93	250	242	97	4	68-123/12
75-00-3	Chloroethane	ND		250	294	118	250	286	114	3	48-152/17
67-66-3	Chloroform	26.0		250	243	87	250	260	94	7	68-120/13
74-87-3	Chloromethane	ND		250	200	80	250	209	84	4	35-156/18
110-82-7	Cyclohexane	ND		250	205	82	250	211	84	3	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	267	107	250	262	105	2	63-134/16
124-48-1	Dibromochloromethane	ND		250	246	98	250	250	100	2	75-122/12
106-93-4	1,2-Dibromoethane	ND		250	233	93	250	251	100	7	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		250	240	96	250	256	102	6	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		250	235	94	250	246	98	5	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		250	222	89	250	228	91	3	72-117/12
75-71-8	Dichlorodifluoromethane	ND		250	192	77	250	202	81	5	34-163/16
75-34-3	1,1-Dichloroethane	ND		250	206	82	250	213	85	3	68-129/13
107-06-2	1,2-Dichloroethane	ND		250	236	94	250	248	99	5	66-120/13
75-35-4	1,1-Dichloroethene	ND		250	198	79	250	202	81	2	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		250	206	82	250	204	82	1	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		250	185	74	250	191	76	3	70-125/13
78-87-5	1,2-Dichloropropane	ND		250	232	93	250	241	96	4	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		250	241	96	250	247	99	2	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		250	247	99	250	255	102	3	75-122/12
123-91-1	1,4-Dioxane	ND		6250	6210	99	6250	6460	103	4	57-145/40
100-41-4	Ethylbenzene	166		250	384	87	250	402	94	5	37-144/12
76-13-1	Freon 113	ND		250	182	73	250	187	75	3	61-142/14
591-78-6	2-Hexanone	ND		1000	988	99	1000	1040	104	5	56-132/16
98-82-8	Isopropylbenzene	32.7		250	255	89	250	267	94	5	71-126/13
79-20-9	Methyl Acetate	ND		250	200	80	250	211	84	5	51-139/18
108-87-2	Methylcyclohexane	ND		250	213	85	250	223	89	5	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-22MS [a]	1U49424.D	5	10/25/22	ED	n/a	n/a	V1U2006
JD54013-22MSD [a]	1U49426.D	5	10/25/22	ED	n/a	n/a	V1U2006
JD54013-22 [b]	1U49422.D	5	10/25/22	ED	n/a	n/a	V1U2006

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-16, JD54013-18, JD54013-22

CAS No.	Compound	JD54013-22 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	9.9		250	233	89	250	241	92	3	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		1000	1040	104	1000	1100	110	6	65-135/14
75-09-2	Methylene chloride	ND		250	214	86	250	213	85	0	66-125/14
100-42-5	Styrene	ND		250	220	88	250	225	90	2	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	254	102	250	260	104	2	68-127/14
127-18-4	Tetrachloroethene	ND		250	221	88	250	234	94	6	58-132/13
108-88-3	Toluene	29.7		250	253	89	250	264	94	4	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		250	237	95	250	252	101	6	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		250	247	99	250	259	104	5	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		250	205	82	250	205	82	0	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		250	235	94	250	254	102	8	75-120/12
79-01-6	Trichloroethene	ND		250	220	88	250	227	91	3	56-136/12
75-69-4	Trichlorofluoromethane	ND		250	233	93	250	235	94	1	61-145/16
75-01-4	Vinyl chloride	ND		250	204	82	250	210	84	3	41-156/16
	m,p-Xylene	32.0		500	507	95	500	534	100	5	32-151/12
95-47-6	o-Xylene	33.2		250	267	94	250	285	101	7	50-139/12
1330-20-7	Xylene (total)	65.2		750	775	95	750	819	101	6	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54013-22	Limits
1868-53-7	Dibromofluoromethane	91%	93%	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	107%	101%	80-120%
2037-26-5	Toluene-D8	99%	102%	100%	80-120%
460-00-4	4-Bromofluorobenzene	102%	102%	96%	82-114%

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.
(b) Preliminary data. (pH= 6)Sample pH did not satisfy field preservation criteria. Dilutionn due to high concentration of target compound.
(c) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-5MS	3D183390.D	10	10/26/22	NW	n/a	n/a	V3D7712
JD54013-5MSD	3D183391.D	10	10/26/22	NW	n/a	n/a	V3D7712
JD54013-5 [a]	3D183393.D	10	10/26/22	NW	n/a	n/a	V3D7712

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-5, JD54013-6, JD54013-7, JD54013-9, JD54013-10

CAS No.	Compound	JD54013-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2000	1630	82	2000	1480	74	10	22-134/19
71-43-2	Benzene	21.9		500	446	85	500	421	80	6	49-137/12
74-97-5	Bromochloromethane	ND		500	434	87	500	405	81	7	78-122/12
75-27-4	Bromodichloromethane	ND		500	467	93	500	449	90	4	76-121/12
75-25-2	Bromoform	ND		500	540	108	500	514	103	5	70-133/13
74-83-9	Bromomethane	ND		500	160	32	500	153	31	4	27-164/38
78-93-3	2-Butanone (MEK)	ND		2000	1840	92	2000	1730	87	6	52-137/17
75-15-0	Carbon disulfide	10.8	J	500	397	77	500	367	71	8	54-136/16
56-23-5	Carbon tetrachloride	ND		500	415	83	500	387	77	7	70-132/13
108-90-7	Chlorobenzene	ND		500	451	90	500	426	85	6	68-123/12
75-00-3	Chloroethane	ND		500	335	67	500	301	60	11	48-152/17
67-66-3	Chloroform	ND		500	431	86	500	417	83	3	68-120/13
74-87-3	Chloromethane	ND		500	398	80	500	354	71	12	35-156/18
110-82-7	Cyclohexane	ND		500	393	79	500	363	73	8	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	564	113	500	560	112	1	63-134/16
124-48-1	Dibromochloromethane	ND		500	475	95	500	452	90	5	75-122/12
106-93-4	1,2-Dibromoethane	ND		500	474	95	500	451	90	5	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		500	474	95	500	457	91	4	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		500	459	92	500	453	91	1	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		500	468	94	500	451	90	4	72-117/12
75-71-8	Dichlorodifluoromethane	ND		500	439	88	500	401	80	9	34-163/16
75-34-3	1,1-Dichloroethane	ND		500	439	88	500	405	81	8	68-129/13
107-06-2	1,2-Dichloroethane	ND		500	431	86	500	422	84	2	66-120/13
75-35-4	1,1-Dichloroethene	ND		500	369	74	500	342	68	8	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		500	411	82	500	393	79	4	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		500	400	80	500	376	75	6	70-125/13
78-87-5	1,2-Dichloropropane	ND		500	490	98	500	454	91	8	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		500	515	103	500	496	99	4	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		500	530	106	500	507	101	4	75-122/12
123-91-1	1,4-Dioxane	ND		12500	17200	138	12500	15400	123	11	57-145/40
100-41-4	Ethylbenzene	708		500	917	42	500	900	38	2	37-144/12
76-13-1	Freon 113	ND		500	370	74	500	350	70	6	61-142/14
591-78-6	2-Hexanone	ND		2000	2130	107	2000	2030	102	5	56-132/16
98-82-8	Isopropylbenzene	64.0		500	498	87	500	481	83	3	71-126/13
79-20-9	Methyl Acetate	ND		500	526	105	500	476	95	10	51-139/18
108-87-2	Methylcyclohexane	ND		500	405	81	500	390	78	4	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54013-5MS	3D183390.D	10	10/26/22	NW	n/a	n/a	V3D7712
JD54013-5MSD	3D183391.D	10	10/26/22	NW	n/a	n/a	V3D7712
JD54013-5 [a]	3D183393.D	10	10/26/22	NW	n/a	n/a	V3D7712

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-5, JD54013-6, JD54013-7, JD54013-9, JD54013-10

CAS No.	Compound	JD54013-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		500	435	87	500	414	83	5	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		2000	2190	110	2000	2050	103	7	65-135/14
75-09-2	Methylene chloride	ND		500	419	84	500	390	78	7	66-125/14
100-42-5	Styrene	ND		500	498	100	500	469	94	6	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	528	106	500	520	104	2	68-127/14
127-18-4	Tetrachloroethene	ND		500	429	86	500	409	82	5	58-132/13
108-88-3	Toluene	58.8		500	476	83	500	458	80	4	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		500	591	118	500	568	114	4	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		500	545	109	500	555	111	2	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		500	428	86	500	402	80	6	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		500	482	96	500	476	95	1	75-120/12
79-01-6	Trichloroethene	ND		500	414	83	500	394	79	5	56-136/12
75-69-4	Trichlorofluoromethane	ND		500	427	85	500	402	80	6	61-145/16
75-01-4	Vinyl chloride	ND		500	343	69	500	302	60	13	41-156/16
	m,p-Xylene	1460		1000	1990	53	1000	1940	48	3	32-151/12
95-47-6	o-Xylene	729		500	1020	58	500	980	50	4	50-139/12
1330-20-7	Xylene (total)	2190		1500	3010	55	1500	2920	49	3	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54013-5	Limits
1868-53-7	Dibromofluoromethane	100%	97%	93%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	103%	80-120%
2037-26-5	Toluene-D8	98%	97%	100%	80-120%
460-00-4	4-Bromofluorobenzene	104%	105%	100%	82-114%

(a) Dilution required due to high concentration of non-target compound.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54227-4MS	2A221274.D	25	10/27/22	NW	n/a	n/a	V2A9618
JD54227-4MSD	2A221275.D	25	10/27/22	NW	n/a	n/a	V2A9618
JD54227-4 [a]	2A221282.D	25	10/27/22	NW	n/a	n/a	V2A9618

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-8, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	JD54227-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		5000	2040	41	5000	2060	41	1	22-134/19
71-43-2	Benzene	ND		1250	1010	81	1250	1030	82	2	49-137/12
74-97-5	Bromochloromethane	ND		1250	1130	90	1250	1160	93	3	78-122/12
75-27-4	Bromodichloromethane	ND		1250	1070	86	1250	1080	86	1	76-121/12
75-25-2	Bromoform	ND		1250	1460	117	1250	1480	118	1	70-133/13
74-83-9	Bromomethane	ND		1250	960	77	1250	972	78	1	27-164/38
78-93-3	2-Butanone (MEK)	ND		5000	3700	74	5000	3840	77	4	52-137/17
75-15-0	Carbon disulfide	ND		1250	914	73	1250	933	75	2	54-136/16
56-23-5	Carbon tetrachloride	ND		1250	1030	82	1250	1040	83	1	70-132/13
108-90-7	Chlorobenzene	ND		1250	1150	92	1250	1170	94	2	68-123/12
75-00-3	Chloroethane	ND		1250	997	80	1250	997	80	0	48-152/17
67-66-3	Chloroform	ND		1250	971	78	1250	978	78	1	68-120/13
74-87-3	Chloromethane	ND		1250	570	46	1250	562	45	1	35-156/18
110-82-7	Cyclohexane	ND		1250	976	78	1250	987	79	1	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		1250	1450	116	1250	1520	122	5	63-134/16
124-48-1	Dibromochloromethane	ND		1250	1330	106	1250	1330	106	0	75-122/12
106-93-4	1,2-Dibromoethane	ND		1250	1260	101	1250	1280	102	2	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		1250	1170	94	1250	1190	95	2	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		1250	1130	90	1250	1150	92	2	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		1250	1130	90	1250	1150	92	2	72-117/12
75-71-8	Dichlorodifluoromethane	ND		1250	1100	88	1250	1100	88	0	34-163/16
75-34-3	1,1-Dichloroethane	ND		1250	956	76	1250	953	76	0	68-129/13
107-06-2	1,2-Dichloroethane	ND		1250	905	72	1250	905	72	0	66-120/13
75-35-4	1,1-Dichloroethene	ND		1250	958	77	1250	956	76	0	59-133/15
156-59-2	cis-1,2-Dichloroethene	15.2	J	1250	1020	80	1250	1050	83	3	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		1250	956	76	1250	990	79	3	70-125/13
78-87-5	1,2-Dichloropropane	ND		1250	1020	82	1250	1040	83	2	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		1250	1070	86	1250	1080	86	1	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		1250	1160	93	1250	1170	94	1	75-122/12
123-91-1	1,4-Dioxane	ND		31300	34600	111	31300	34600	111	0	57-145/40
100-41-4	Ethylbenzene	ND		1250	1060	85	1250	1070	86	1	37-144/12
76-13-1	Freon 113	ND		1250	1020	82	1250	1030	82	1	61-142/14
591-78-6	2-Hexanone	ND		5000	4120	82	5000	4200	84	2	56-132/16
98-82-8	Isopropylbenzene	ND		1250	1060	85	1250	1070	86	1	71-126/13
79-20-9	Methyl Acetate	ND		1250	911	73	1250	900	72	1	51-139/18
108-87-2	Methylcyclohexane	ND		1250	949	76	1250	953	76	0	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54227-4MS	2A221274.D	25	10/27/22	NW	n/a	n/a	V2A9618
JD54227-4MSD	2A221275.D	25	10/27/22	NW	n/a	n/a	V2A9618
JD54227-4 [a]	2A221282.D	25	10/27/22	NW	n/a	n/a	V2A9618

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-8, JD54013-11, JD54013-12, JD54013-13, JD54013-14

CAS No.	Compound	JD54227-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		1250	1020	82	1250	1030	82	1	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		5000	4430	89	5000	4510	90	2	65-135/14
75-09-2	Methylene chloride	ND		1250	1010	81	1250	1030	82	2	66-125/14
100-42-5	Styrene	ND		1250	1140	91	1250	1160	93	2	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1250	1210	97	1250	1260	101	4	68-127/14
127-18-4	Tetrachloroethene	5470	E	1250	5680	17* [b]	1250	5740	22* [b]	1	58-132/13
108-88-3	Toluene	ND		1250	1090	87	1250	1110	89	2	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		1250	1330	106	1250	1410	113	6	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		1250	1330	106	1250	1370	110	3	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		1250	999	80	1250	996	80	0	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		1250	1230	98	1250	1250	100	2	75-120/12
79-01-6	Trichloroethene	59.7		1250	1060	80	1250	1090	82	3	56-136/12
75-69-4	Trichlorofluoromethane	ND		1250	1040	83	1250	1050	84	1	61-145/16
75-01-4	Vinyl chloride	ND		1250	663	53	1250	659	53	1	41-156/16
	m,p-Xylene	ND		2500	2180	87	2500	2220	89	2	32-151/12
95-47-6	o-Xylene	ND		1250	1060	85	1250	1080	86	2	50-139/12
1330-20-7	Xylene (total)	ND		3750	3240	86	3750	3300	88	2	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54227-4	Limits
1868-53-7	Dibromofluoromethane	98%	97%	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	85%	85%	87%	80-120%
2037-26-5	Toluene-D8	101%	101%	100%	80-120%
460-00-4	4-Bromofluorobenzene	95%	97%	95%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54107-2MS	1A227620.D	4	10/27/22	NW	n/a	n/a	V1A9741
JD54107-2MSD	1A227621.D	4	10/27/22	NW	n/a	n/a	V1A9741
JD54107-2 [a]	1A227629.D	4	10/27/22	NW	n/a	n/a	V1A9741

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	JD54107-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		800	633	79	800	629	79	1	22-134/19
71-43-2	Benzene	72.0		200	238	83	200	237	83	0	49-137/12
74-97-5	Bromochloromethane	ND		200	174	87	200	167	84	4	78-122/12
75-27-4	Bromodichloromethane	ND		200	190	95	200	187	94	2	76-121/12
75-25-2	Bromoform	ND		200	203	102	200	204	102	0	70-133/13
74-83-9	Bromomethane	ND		200	80.5	40	200	99.4	50	21	27-164/38
78-93-3	2-Butanone (MEK)	ND		800	703	88	800	708	89	1	52-137/17
75-15-0	Carbon disulfide	ND		200	169	85	200	164	82	3	54-136/16
56-23-5	Carbon tetrachloride	ND		200	167	84	200	163	82	2	70-132/13
108-90-7	Chlorobenzene	ND		200	172	86	200	175	88	2	68-123/12
75-00-3	Chloroethane	ND		200	164	82	200	159	80	3	48-152/17
67-66-3	Chloroform	ND		200	172	86	200	168	84	2	68-120/13
74-87-3	Chloromethane	ND		200	175	88	200	176	88	1	35-156/18
110-82-7	Cyclohexane	ND		200	203	102	200	201	101	1	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		200	207	104	200	215	108	4	63-134/16
124-48-1	Dibromochloromethane	ND		200	185	93	200	184	92	1	75-122/12
106-93-4	1,2-Dibromoethane	ND		200	183	92	200	183	92	0	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		200	192	96	200	188	94	2	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		200	187	94	200	186	93	1	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		200	177	89	200	176	88	1	72-117/12
75-71-8	Dichlorodifluoromethane	ND		200	199	100	200	202	101	1	34-163/16
75-34-3	1,1-Dichloroethane	ND		200	174	87	200	169	85	3	68-129/13
107-06-2	1,2-Dichloroethane	ND		200	194	97	200	193	97	1	66-120/13
75-35-4	1,1-Dichloroethene	ND		200	157	79	200	154	77	2	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		200	167	84	200	165	83	1	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		200	161	81	200	155	78	4	70-125/13
78-87-5	1,2-Dichloropropane	ND		200	186	93	200	188	94	1	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		200	191	96	200	191	96	0	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		200	176	88	200	180	90	2	75-122/12
123-91-1	1,4-Dioxane	ND		5000	2820	56* [b]	5000	4800	96	52* [b]	57-145/40
100-41-4	Ethylbenzene	242		200	377	68	200	379	69	1	37-144/12
76-13-1	Freon 113	ND		200	167	84	200	165	83	1	61-142/14
591-78-6	2-Hexanone	ND		800	818	102	800	831	104	2	56-132/16
98-82-8	Isopropylbenzene	20.9		200	205	92	200	208	94	1	71-126/13
79-20-9	Methyl Acetate	ND		200	174	87	200	171	86	2	51-139/18
108-87-2	Methylcyclohexane	ND		200	222	111	200	222	111	0	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD54107-2MS	1A227620.D	4	10/27/22	NW	n/a	n/a	V1A9741
JD54107-2MSD	1A227621.D	4	10/27/22	NW	n/a	n/a	V1A9741
JD54107-2 [a]	1A227629.D	4	10/27/22	NW	n/a	n/a	V1A9741

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD54013-19, JD54013-20, JD54013-21, JD54013-22

CAS No.	Compound	JD54107-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	93.3		200	270	88	200	263	85	3	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		800	868	109	800	882	110	2	65-135/14
75-09-2	Methylene chloride	ND		200	206	103	200	201	101	2	66-125/14
100-42-5	Styrene	ND		200	187	94	200	188	94	1	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	177	89	200	177	89	0	68-127/14
127-18-4	Tetrachloroethene	ND		200	179	90	200	178	89	1	58-132/13
108-88-3	Toluene	22.4		200	188	83	200	186	82	1	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		200	235	118	200	242	121	3	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		200	242	121	200	243	122	0	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		200	173	87	200	171	86	1	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		200	179	90	200	175	88	2	75-120/12
79-01-6	Trichloroethene	ND		200	174	87	200	175	88	1	56-136/12
75-69-4	Trichlorofluoromethane	ND		200	184	92	200	182	91	1	61-145/16
75-01-4	Vinyl chloride	ND		200	170	85	200	168	84	1	41-156/16
	m,p-Xylene	268		400	593	81	400	592	81	0	32-151/12
95-47-6	o-Xylene	13.6		200	190	88	200	196	91	3	50-139/12
1330-20-7	Xylene (total)	282		600	783	84	600	789	85	1	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD54107-2	Limits
1868-53-7	Dibromofluoromethane	99%	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	106%		80-120%
2037-26-5	Toluene-D8	91%	91%		80-120%
460-00-4	4-Bromofluorobenzene	94%	93%		82-114%

(a) Sample used for QC purposes only.
(b) Outside in house control limits.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V1A9711-BFB
Lab File ID: 1A226729.D
Instrument ID: GCMS1A
Injection Date: 10/06/22
Injection Time: 21:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	37840	19.2		Pass
75	30.0 - 60.0% of mass 95	96411	49.0		Pass
95	Base peak, 100% relative abundance	196817	100.0		Pass
96	5.0 - 9.0% of mass 95	13725	6.97		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	171328	87.0		Pass
175	5.0 - 9.0% of mass 174	12920	6.56	(7.54) [a]	Pass
176	95.0 - 101.0% of mass 174	167872	85.3	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	11856	6.02	(7.06) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A9711-IC9711	1A226730.D	10/06/22	22:12	00:24	Initial cal 0.2
V1A9711-IC9711	1A226731.D	10/06/22	22:35	00:47	Initial cal 0.5
V1A9711-IC9711	1A226732.D	10/06/22	22:59	01:11	Initial cal 1
V1A9711-IC9711	1A226733.D	10/06/22	23:23	01:35	Initial cal 2
V1A9711-IC9711	1A226734.D	10/06/22	23:47	01:59	Initial cal 4
V1A9711-IC9711	1A226735.D	10/07/22	00:11	02:23	Initial cal 8
V1A9711-IC9711	1A226736.D	10/07/22	00:35	02:47	Initial cal 20
V1A9711-ICC9711	1A226737.D	10/07/22	00:59	03:11	Initial cal 50
V1A9711-IC9711	1A226738.D	10/07/22	01:23	03:35	Initial cal 100
V1A9711-IC9711	1A226739.D	10/07/22	01:47	03:59	Initial cal 200
V1A9711-ICV9711	1A226742.D	10/07/22	02:58	05:10	Initial cal verification 50
V1A9711-ICV9711	1A226743.D	10/07/22	03:22	05:34	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V1A9741-BFB	**Injection Date:**	10/27/22
Lab File ID:	1A227604.D	**Injection Time:**	10:42
Instrument ID:	GCMS1A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	56663	20.4		Pass
75	30.0 - 60.0% of mass 95	135854	48.9		Pass
95	Base peak, 100% relative abundance	277739	100.0		Pass
96	5.0 - 9.0% of mass 95	18061	6.50		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	267904	96.5		Pass
175	5.0 - 9.0% of mass 174	13411	4.83	(5.01) [a]	Pass
176	95.0 - 101.0% of mass 174	260480	93.8	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	16136	5.81	(6.19) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1A9741-CC9711	1A227604.D	10/27/22	10:42	00:00	Continuing cal 20
V1A9741-BS	1A227606.D	10/27/22	11:37	00:55	Blank Spike
V1A9741-MB	1A227608.D	10/27/22	12:33	01:51	Method Blank
ZZZZZZ	1A227609.D	10/27/22	13:01	02:19	(unrelated sample)
ZZZZZZ	1A227610.D	10/27/22	13:25	02:43	(unrelated sample)
JD54013-22	1A227611.D	10/27/22	13:49	03:07	MW-26(S)
JD54013-20	1A227613.D	10/27/22	14:37	03:55	MW-20(S)
JD54013-21	1A227614.D	10/27/22	15:01	04:19	MW-15(D)
ZZZZZZ	1A227615.D	10/27/22	15:25	04:43	(unrelated sample)
ZZZZZZ	1A227616.D	10/27/22	15:49	05:07	(unrelated sample)
ZZZZZZ	1A227617.D	10/27/22	16:12	05:30	(unrelated sample)
JD54013-19	1A227619.D	10/27/22	17:00	06:18	MW-27(D)
JD54107-2MS	1A227620.D	10/27/22	17:24	06:42	Matrix Spike
JD54107-2MSD	1A227621.D	10/27/22	17:48	07:06	Matrix Spike Duplicate
ZZZZZZ	1A227626.D	10/27/22	19:48	09:06	(unrelated sample)
ZZZZZZ	1A227627.D	10/27/22	20:11	09:29	(unrelated sample)
ZZZZZZ	1A227628.D	10/27/22	20:35	09:53	(unrelated sample)
JD54107-2	1A227629.D	10/27/22	20:59	10:17	(used for QC only; not part of job JD54013)
ZZZZZZ	1A227630.D	10/27/22	21:23	10:41	(unrelated sample)
JD54013-21	1A227633.D	10/27/22	22:35	11:53	MW-15(D)

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V1U2005-BFB
Lab File ID: 1U49370.D
Instrument ID: GCMS1U
Injection Date: 10/24/22
Injection Time: 17:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16483	20.4		Pass
75	30.0 - 60.0% of mass 95	42155	52.3		Pass
95	Base peak, 100% relative abundance	80672	100.0		Pass
96	5.0 - 9.0% of mass 95	5073	6.29		Pass
173	Less than 2.0% of mass 174	1419	1.76	(1.55) [a]	Pass
174	50.0 - 120.0% of mass 95	91341	113.2		Pass
175	5.0 - 9.0% of mass 174	7319	9.07	(8.01) [a]	Pass
176	95.0 - 101.0% of mass 174	87576	108.6	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	5507	6.83	(6.29) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1U2005-IC2005	1U49372.D	10/24/22	18:29	00:53	Initial cal 0.2
V1U2005-IC2005	1U49374.D	10/24/22	18:59	01:23	Initial cal 0.5
V1U2005-IC2005	1U49376.D	10/24/22	19:28	01:52	Initial cal 1
V1U2005-IC2005	1U49378.D	10/24/22	19:57	02:21	Initial cal 2
V1U2005-IC2005	1U49380.D	10/24/22	20:26	02:50	Initial cal 4
V1U2005-IC2005	1U49382.D	10/24/22	20:55	03:19	Initial cal 8
V1U2005-IC2005	1U49384.D	10/24/22	21:24	03:48	Initial cal 20
V1U2005-ICC2005	1U49386.D	10/24/22	21:54	04:18	Initial cal 50
V1U2005-IC2005	1U49388.D	10/24/22	22:23	04:47	Initial cal 100
V1U2005-IC2005	1U49390.D	10/24/22	22:52	05:16	Initial cal 200
V1U2005-ICV2005	1U49396.D	10/25/22	00:19	06:43	Initial cal verification 50
V1U2005-ICV2005	1U49398.D	10/25/22	00:48	07:12	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V1U2005-BFB2
Lab File ID: 1U49404.D
Instrument ID: GCMS1U
Injection Date: 10/25/22
Injection Time: 13:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	18289	20.7		Pass
75	30.0 - 60.0% of mass 95	45107	51.1		Pass
95	Base peak, 100% relative abundance	88357	100.0		Pass
96	5.0 - 9.0% of mass 95	5573	6.31		Pass
173	Less than 2.0% of mass 174	1700	1.92	(1.62) [a]	Pass
174	50.0 - 120.0% of mass 95	105208	119.1		Pass
175	5.0 - 9.0% of mass 174	8001	9.06	(7.60) [a]	Pass
176	95.0 - 101.0% of mass 174	101821	115.2	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6659	7.54	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1U2005-ICV2005	1U49406.D	10/25/22	14:02	00:44	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V1U2006-BFB
Lab File ID: 1U49412.D
Instrument ID: GCMS1U
Injection Date: 10/25/22
Injection Time: 16:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16006	19.7		Pass
75	30.0 - 60.0% of mass 95	43213	53.1		Pass
95	Base peak, 100% relative abundance	81451	100.0		Pass
96	5.0 - 9.0% of mass 95	5836	7.17		Pass
173	Less than 2.0% of mass 174	1277	1.57	(1.36) [a]	Pass
174	50.0 - 120.0% of mass 95	93835	115.2		Pass
175	5.0 - 9.0% of mass 174	7408	9.10	(7.89) [a]	Pass
176	95.0 - 101.0% of mass 174	91229	112.0	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	6114	7.51	(6.70) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1U2006-CC2005	1U49412.D	10/25/22	16:12	00:00	Continuing cal 20
V1U2006-BS	1U49416.D	10/25/22	17:11	00:59	Blank Spike
V1U2006-MB	1U49420.D	10/25/22	18:10	01:58	Method Blank
JD54013-22	1U49422.D	10/25/22	18:39	02:27	MW-26(S)
JD54013-22MS	1U49424.D	10/25/22	19:08	02:56	Matrix Spike
JD54013-22MSD	1U49426.D	10/25/22	19:38	03:26	Matrix Spike Duplicate
ZZZZZZ	1U49430.D	10/25/22	20:36	04:24	(unrelated sample)
ZZZZZZ	1U49432.D	10/25/22	21:05	04:53	(unrelated sample)
ZZZZZZ	1U49434.D	10/25/22	21:35	05:23	(unrelated sample)
ZZZZZZ	1U49436.D	10/25/22	22:04	05:52	(unrelated sample)
ZZZZZZ	1U49438.D	10/25/22	22:33	06:21	(unrelated sample)
ZZZZZZ	1U49440.D	10/25/22	23:02	06:50	(unrelated sample)
JD54013-16	1U49442.D	10/25/22	23:32	07:20	MW-25(S)
JD54013-18	1U49444.D	10/26/22	00:01	07:49	MW-27(S)
ZZZZZZ	1U49450.D	10/26/22	01:28	09:16	(unrelated sample)
ZZZZZZ	1U49450R.D	10/26/22	01:28	09:16	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample:	V2A9596-BFB	**Injection Date:**	10/13/22
Lab File ID:	2A220735.D	**Injection Time:**	17:42
Instrument ID:	GCMS2A		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	53573	22.3		Pass
75	30.0 - 60.0% of mass 95	110642	46.0		Pass
95	Base peak, 100% relative abundance	240298	100.0		Pass
96	5.0 - 9.0% of mass 95	15575	6.48		Pass
173	Less than 2.0% of mass 174	1954	0.81	(0.92) [a]	Pass
174	50.0 - 120.0% of mass 95	211797	88.1		Pass
175	5.0 - 9.0% of mass 174	15782	6.57	(7.45) [a]	Pass
176	95.0 - 101.0% of mass 174	210837	87.7	(99.5) [a]	Pass
177	5.0 - 9.0% of mass 176	14168	5.90	(6.72) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9596-IC9596	2A220736.D	10/13/22	18:18	00:36	Initial cal 0.2
V2A9596-IC9596	2A220737.D	10/13/22	18:37	00:55	Initial cal 0.5
V2A9596-IC9596	2A220738.D	10/13/22	19:06	01:24	Initial cal 1
V2A9596-IC9596	2A220739.D	10/13/22	19:34	01:52	Initial cal 2
V2A9596-IC9596	2A220740.D	10/13/22	20:03	02:21	Initial cal 4
V2A9596-IC9596	2A220741.D	10/13/22	20:32	02:50	Initial cal 8
V2A9596-IC9596	2A220742.D	10/13/22	21:02	03:20	Initial cal 20
V2A9596-ICC9596	2A220743.D	10/13/22	21:30	03:48	Initial cal 50
V2A9596-IC9596	2A220744.D	10/13/22	22:00	04:18	Initial cal 100
V2A9596-IC9596	2A220745.D	10/13/22	22:28	04:46	Initial cal 200
V2A9596-ICV9596	2A220748.D	10/13/22	23:54	06:12	Initial cal verification 50
V2A9596-ICV9596	2A220749.D	10/14/22	00:22	06:40	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V2A9618-BFB
Lab File ID: 2A221260.D
Instrument ID: GCMS2A
Injection Date: 10/27/22
Injection Time: 09:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	36133	16.9		Pass
75	30.0 - 60.0% of mass 95	95843	44.9		Pass
95	Base peak, 100% relative abundance	213397	100.0		Pass
96	5.0 - 9.0% of mass 95	14034	6.58		Pass
173	Less than 2.0% of mass 174	1294	0.61	(0.63) [a]	Pass
174	50.0 - 120.0% of mass 95	206165	96.6		Pass
175	5.0 - 9.0% of mass 174	15945	7.47	(7.73) [a]	Pass
176	95.0 - 101.0% of mass 174	201365	94.4	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	13674	6.41	(6.79) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A9618-CC9596	2A221260.D	10/27/22	09:40	00:00	Continuing cal 20
V2A9618-BS	2A221262.D	10/27/22	10:47	01:07	Blank Spike
V2A9618-MB	2A221264.D	10/27/22	11:44	02:04	Method Blank
ZZZZZZ	2A221265.D	10/27/22	12:20	02:40	(unrelated sample)
ZZZZZZ	2A221266.D	10/27/22	12:48	03:08	(unrelated sample)
ZZZZZZ	2A221267.D	10/27/22	13:16	03:36	(unrelated sample)
JD54013-8	2A221268.D	10/27/22	13:45	04:05	MW-30(S)
JD54013-12	2A221269.D	10/27/22	14:13	04:33	MW-24(D)
JD54013-13	2A221270.D	10/27/22	14:42	05:02	MW-9
JD54013-14	2A221271.D	10/27/22	15:11	05:31	MW-9 DUP
JD54013-11	2A221272.D	10/27/22	15:39	05:59	MW-10
ZZZZZZ	2A221273.D	10/27/22	16:07	06:27	(unrelated sample)
JD54227-4MS	2A221274.D	10/27/22	16:36	06:56	Matrix Spike
JD54227-4MSD	2A221275.D	10/27/22	17:05	07:25	Matrix Spike Duplicate
ZZZZZZ	2A221276.D	10/27/22	17:34	07:54	(unrelated sample)
ZZZZZZ	2A221277.D	10/27/22	18:03	08:23	(unrelated sample)
ZZZZZZ	2A221278.D	10/27/22	18:31	08:51	(unrelated sample)
ZZZZZZ	2A221279.D	10/27/22	19:00	09:20	(unrelated sample)
ZZZZZZ	2A221280.D	10/27/22	19:29	09:49	(unrelated sample)
ZZZZZZ	2A221281.D	10/27/22	19:57	10:17	(unrelated sample)
JD54227-4	2A221282.D	10/27/22	20:26	10:46	(used for QC only; not part of job JD54013)
ZZZZZZ	2A221283.D	10/27/22	20:54	11:14	(unrelated sample)
ZZZZZZ	2A221284.D	10/27/22	21:23	11:43	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V2U2005-BFB
Lab File ID: 2U49371.D
Instrument ID: GCMS2U
Injection Date: 10/24/22
Injection Time: 17:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17145	21.2		Pass
75	30.0 - 60.0% of mass 95	43357	53.6		Pass
95	Base peak, 100% relative abundance	80933	100.0		Pass
96	5.0 - 9.0% of mass 95	5466	6.75		Pass
173	Less than 2.0% of mass 174	1541	1.90	(1.65) [a]	Pass
174	50.0 - 120.0% of mass 95	93613	115.7		Pass
175	5.0 - 9.0% of mass 174	7631	9.43	(8.15) [a]	Pass
176	95.0 - 101.0% of mass 174	91331	112.8	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5913	7.31	(6.47) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2U2005-IC2005	2U49373.D	10/24/22	18:44	00:46	Initial cal 0.2
V2U2005-IC2005	2U49375.D	10/24/22	19:13	01:15	Initial cal 0.5
V2U2005-IC2005	2U49377.D	10/24/22	19:43	01:45	Initial cal 1
V2U2005-IC2005	2U49379.D	10/24/22	20:12	02:14	Initial cal 2
V2U2005-IC2005	2U49381.D	10/24/22	20:41	02:43	Initial cal 4
V2U2005-IC2005	2U49383.D	10/24/22	21:10	03:12	Initial cal 8
V2U2005-IC2005	2U49385.D	10/24/22	21:39	03:41	Initial cal 20
V2U2005-ICC2005	2U49387.D	10/24/22	22:08	04:10	Initial cal 50
V2U2005-IC2005	2U49389.D	10/24/22	22:37	04:39	Initial cal 100
V2U2005-IC2005	2U49391.D	10/24/22	23:07	05:09	Initial cal 200
V2U2005-ICV2005	2U49397.D	10/25/22	00:34	06:36	Initial cal verification 50
V2U2005-ICV2005	2U49399.D	10/25/22	01:03	07:05	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V2U2005-BFB2
Lab File ID: 2U49405.D
Instrument ID: GCMS2U
Injection Date: 10/25/22
Injection Time: 13:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14797	18.3		Pass
75	30.0 - 60.0% of mass 95	40757	50.5		Pass
95	Base peak, 100% relative abundance	80701	100.0		Pass
96	5.0 - 9.0% of mass 95	5213	6.46		Pass
173	Less than 2.0% of mass 174	1288	1.60	(1.36) [a]	Pass
174	50.0 - 120.0% of mass 95	94376	116.9		Pass
175	5.0 - 9.0% of mass 174	6971	8.64	(7.39) [a]	Pass
176	95.0 - 101.0% of mass 174	92013	114.0	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5539	6.86	(6.02) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2U2005-ICV2005	2U49407.D	10/25/22	14:17	00:45	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V2U2006-BFB
Lab File ID: 2U49413.D
Instrument ID: GCMS2U
Injection Date: 10/25/22
Injection Time: 16:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15475	20.1		Pass
75	30.0 - 60.0% of mass 95	39616	51.5		Pass
95	Base peak, 100% relative abundance	76904	100.0		Pass
96	5.0 - 9.0% of mass 95	5206	6.77		Pass
173	Less than 2.0% of mass 174	1244	1.62	(1.40) [a]	Pass
174	50.0 - 120.0% of mass 95	88792	115.5		Pass
175	5.0 - 9.0% of mass 174	6837	8.89	(7.70) [a]	Pass
176	95.0 - 101.0% of mass 174	85627	111.3	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	5628	7.32	(6.57) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2U2006-CC2005	2U49413.D	10/25/22	16:27	00:00	Continuing cal 20
V2U2006-BS	2U49417.D	10/25/22	17:26	00:59	Blank Spike
V2U2006-MB	2U49419.D	10/25/22	17:55	01:28	Method Blank
JD54013-21	2U49421.D	10/25/22	18:24	01:57	MW-15(D)
JD54013-21MS	2U49423.D	10/25/22	18:54	02:27	Matrix Spike
JD54013-21MSD	2U49425.D	10/25/22	19:23	02:56	Matrix Spike Duplicate
ZZZZZZ	2U49429.D	10/25/22	20:22	03:55	(unrelated sample)
ZZZZZZ	2U49431.D	10/25/22	20:51	04:24	(unrelated sample)
ZZZZZZ	2U49433.D	10/25/22	21:20	04:53	(unrelated sample)
ZZZZZZ	2U49439.D	10/25/22	22:48	06:21	(unrelated sample)
JD54013-15	2U49441.D	10/25/22	23:17	06:50	MW-24(S)
JD54013-17	2U49443.D	10/25/22	23:46	07:19	MW-25(D)
ZZZZZZ	2U49449.D	10/26/22	01:14	08:47	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V3D7672-BFB
Lab File ID: 3D182416.D
Instrument ID: GCMS3D
Injection Date: 10/05/22
Injection Time: 21:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	42821	20.5		Pass
75	30.0 - 60.0% of mass 95	119480	57.2		Pass
95	Base peak, 100% relative abundance	208768	100.0		Pass
96	5.0 - 9.0% of mass 95	13308	6.37		Pass
173	Less than 2.0% of mass 174	2486	1.19	(1.44) [a]	Pass
174	50.0 - 120.0% of mass 95	172277	82.5		Pass
175	5.0 - 9.0% of mass 174	14934	7.15	(8.67) [a]	Pass
176	95.0 - 101.0% of mass 174	165768	79.4	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	11282	5.40	(6.81) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D7672-IC7672	3D182417.D	10/05/22	22:22	00:36	Initial cal 0.2
V3D7672-IC7672	3D182418.D	10/05/22	22:46	01:00	Initial cal 0.5
V3D7672-IC7672	3D182419.D	10/05/22	23:09	01:23	Initial cal 1
V3D7672-IC7672	3D182420.D	10/05/22	23:33	01:47	Initial cal 2
V3D7672-IC7672	3D182421.D	10/05/22	23:57	02:11	Initial cal 4
V3D7672-IC7672	3D182422.D	10/06/22	00:20	02:34	Initial cal 8
V3D7672-IC7672	3D182423.D	10/06/22	00:44	02:58	Initial cal 20
V3D7672-ICC7672	3D182424.D	10/06/22	01:07	03:21	Initial cal 50
V3D7672-IC7672	3D182425.D	10/06/22	01:31	03:45	Initial cal 100
V3D7672-IC7672	3D182426.D	10/06/22	01:55	04:09	Initial cal 200
V3D7672-ICV7672	3D182429.D	10/06/22	03:05	05:19	Initial cal verification 50
V3D7672-ICV7672	3D182430.D	10/06/22	03:28	05:42	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V3D7704-BFB
Lab File ID: 3D183164.D
Instrument ID: GCMS3D
Injection Date: 10/21/22
Injection Time: 21:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	39333	20.8		Pass
75	30.0 - 60.0% of mass 95	107217	56.7		Pass
95	Base peak, 100% relative abundance	189205	100.0		Pass
96	5.0 - 9.0% of mass 95	13214	6.98		Pass
173	Less than 2.0% of mass 174	1785	0.94	(1.07) [a]	Pass
174	50.0 - 120.0% of mass 95	167440	88.5		Pass
175	5.0 - 9.0% of mass 174	14058	7.43	(8.40) [a]	Pass
176	95.0 - 101.0% of mass 174	163040	86.2	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	11465	6.06	(7.03) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D7704-CC7672	3D183164.D	10/21/22	21:16	00:00	Continuing cal 50
V3D7704-BS	3D183166.D	10/21/22	22:03	00:47	Blank Spike
V3D7704-MB	3D183168.D	10/21/22	22:50	01:34	Method Blank
JD54013-1	3D183170.D	10/21/22	23:37	02:21	MW-7R
JD54013-1MS	3D183171.D	10/22/22	00:00	02:44	Matrix Spike
JD54013-1MSD	3D183172.D	10/22/22	00:24	03:08	Matrix Spike Duplicate
JD54013-4	3D183175.D	10/22/22	01:34	04:18	TB-1
ZZZZZZ	3D183176.D	10/22/22	01:57	04:41	(unrelated sample)
ZZZZZZ	3D183177.D	10/22/22	02:21	05:05	(unrelated sample)
ZZZZZZ	3D183178.D	10/22/22	02:44	05:28	(unrelated sample)
ZZZZZZ	3D183179.D	10/22/22	03:08	05:52	(unrelated sample)
ZZZZZZ	3D183180.D	10/22/22	03:31	06:15	(unrelated sample)
ZZZZZZ	3D183181.D	10/22/22	03:55	06:39	(unrelated sample)
ZZZZZZ	3D183182.D	10/22/22	04:18	07:02	(unrelated sample)
ZZZZZZ	3D183183.D	10/22/22	04:42	07:26	(unrelated sample)
ZZZZZZ	3D183184.D	10/22/22	05:05	07:49	(unrelated sample)
ZZZZZZ	3D183185.D	10/22/22	05:28	08:12	(unrelated sample)
ZZZZZZ	3D183186.D	10/22/22	05:52	08:36	(unrelated sample)
ZZZZZZ	3D183187.D	10/22/22	06:15	08:59	(unrelated sample)
ZZZZZZ	3D183188.D	10/22/22	06:39	09:23	(unrelated sample)
ZZZZZZ	3D183189.D	10/22/22	07:02	09:46	(unrelated sample)
ZZZZZZ	3D183190.D	10/22/22	07:26	10:10	(unrelated sample)
ZZZZZZ	3D183191.D	10/22/22	07:49	10:33	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V3D7708-BFB
Lab File ID: 3D183258.D
Instrument ID: GCMS3D
Injection Date: 10/24/22
Injection Time: 09:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	41141	20.6		Pass
75	30.0 - 60.0% of mass 95	107677	53.8		Pass
95	Base peak, 100% relative abundance	200000	100.0		Pass
96	5.0 - 9.0% of mass 95	12867	6.43		Pass
173	Less than 2.0% of mass 174	1423	0.71	(0.84) [a]	Pass
174	50.0 - 120.0% of mass 95	169088	84.5		Pass
175	5.0 - 9.0% of mass 174	14783	7.39	(8.74) [a]	Pass
176	95.0 - 101.0% of mass 174	164523	82.3	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	10168	5.08	(6.18) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D7708-CC7672	3D183259.D	10/24/22	09:41	00:26	Continuing cal 20
V3D7708-BS	3D183261.D	10/24/22	11:10	01:55	Blank Spike
V3D7708-MB	3D183263.D	10/24/22	11:57	02:42	Method Blank
JD54013-3	3D183264.D	10/24/22	12:29	03:14	FB-1
ZZZZZZ	3D183265.D	10/24/22	12:52	03:37	(unrelated sample)
JD54013-2	3D183266.D	10/24/22	13:16	04:01	MW-16(S)
ZZZZZZ	3D183267.D	10/24/22	13:39	04:24	(unrelated sample)
JD54013-1	3D183270.D	10/24/22	16:17	07:02	MW-7R
ZZZZZZ	3D183271.D	10/24/22	16:40	07:25	(unrelated sample)
ZZZZZZ	3D183272.D	10/24/22	17:04	07:49	(unrelated sample)
JD54013-2MS	3D183273.D	10/24/22	17:27	08:12	Matrix Spike
JD54013-2MSD	3D183274.D	10/24/22	17:51	08:36	Matrix Spike Duplicate
ZZZZZZ	3D183276.D	10/24/22	18:38	09:23	(unrelated sample)
ZZZZZZ	3D183277.D	10/24/22	19:01	09:46	(unrelated sample)
ZZZZZZ	3D183278.D	10/24/22	19:25	10:10	(unrelated sample)
ZZZZZZ	3D183279.D	10/24/22	19:48	10:33	(unrelated sample)
ZZZZZZ	3D183280.D	10/24/22	20:12	10:57	(unrelated sample)
ZZZZZZ	3D183281.D	10/24/22	20:35	11:20	(unrelated sample)
ZZZZZZ	3D183282.D	10/24/22	20:59	11:44	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample: V3D7712-BFB
Lab File ID: 3D183375.D
Instrument ID: GCMS3D
Injection Date: 10/26/22
Injection Time: 09:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	39445	21.8		Pass
75	30.0 - 60.0% of mass 95	105155	58.1		Pass
95	Base peak, 100% relative abundance	180949	100.0		Pass
96	5.0 - 9.0% of mass 95	11567	6.39		Pass
173	Less than 2.0% of mass 174	2134	1.18	(1.37) [a]	Pass
174	50.0 - 120.0% of mass 95	155547	86.0		Pass
175	5.0 - 9.0% of mass 174	13250	7.32	(8.52) [a]	Pass
176	95.0 - 101.0% of mass 174	150040	82.9	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	9865	5.45	(6.57) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D7712-CC7672	3D183375.D	10/26/22	09:44	00:00	Continuing cal 20
V3D7712-BS	3D183377.D	10/26/22	10:41	00:57	Blank Spike
V3D7712-MB	3D183379.D	10/26/22	11:28	01:44	Method Blank
ZZZZZZ	3D183380.D	10/26/22	12:04	02:20	(unrelated sample)
ZZZZZZ	3D183381.D	10/26/22	12:32	02:48	(unrelated sample)
ZZZZZZ	3D183382.D	10/26/22	12:56	03:12	(unrelated sample)
ZZZZZZ	3D183383.D	10/26/22	13:19	03:35	(unrelated sample)
ZZZZZZ	3D183385.D	10/26/22	14:06	04:22	(unrelated sample)
ZZZZZZ	3D183386.D	10/26/22	14:30	04:46	(unrelated sample)
ZZZZZZ	3D183387.D	10/26/22	14:53	05:09	(unrelated sample)
ZZZZZZ	3D183388.D	10/26/22	15:17	05:33	(unrelated sample)
ZZZZZZ	3D183389.D	10/26/22	15:40	05:56	(unrelated sample)
JD54013-5MS	3D183390.D	10/26/22	16:04	06:20	Matrix Spike
JD54013-5MSD	3D183391.D	10/26/22	16:28	06:44	Matrix Spike Duplicate
JD54013-5	3D183393.D	10/26/22	17:15	07:31	MW-17(S)
JD54013-6	3D183395.D	10/26/22	18:02	08:18	MW-11(D)
JD54013-7	3D183396.D	10/26/22	18:25	08:41	MW-21(S)
JD54013-9	3D183398.D	10/26/22	19:12	09:28	MW-30(D)
JD54013-10	3D183399.D	10/26/22	19:36	09:52	MW-19(D)

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std: V1A9741-CC9711 **Injection Date:** 10/27/22
Lab File ID: 1A227604.D **Injection Time:** 10:42
Instrument ID: GCMS1A **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	297520	2.91	690291	3.93	903458	4.40	834342	6.29	385113	7.84
Upper Limit [a]	595040	3.41	1380582	4.43	1806916	4.90	1668684	6.79	770226	8.34
Lower Limit [b]	148760	2.41	345146	3.43	451729	3.90	417171	5.79	192557	7.34
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V1A9741-BS	267973	2.91	649640	3.93	856331	4.40	806447	6.29	378256	7.84
V1A9741-MB	277938	2.91	741946	3.93	941525	4.40	842915	6.29	398725	7.84
ZZZZZZ	272906	2.91	735768	3.93	940894	4.40	839806	6.29	396502	7.84
ZZZZZZ	280929	2.91	642522	3.93	877580	4.40	811637	6.29	383975	7.84
JD54013-22 [c]	294004	2.92	715751	3.93	893504	4.40	839127	6.29	402269	7.84
JD54013-20 [d]	292315	2.91	688460	3.93	880826	4.40	802276	6.29	385364	7.84
JD54013-21 [e]	312098	2.91	701289	3.93	893980	4.40	840261	6.29	381814	7.84
ZZZZZZ	297469	2.91	679691	3.93	880787	4.40	807597	6.29	387951	7.84
ZZZZZZ	285810	2.91	680175	3.93	883487	4.40	808870	6.29	372676	7.84
ZZZZZZ	279086	2.92	639690	3.93	851458	4.40	796813	6.29	376306	7.84
JD54013-19 [f]	346698	2.91	702665	3.93	912529	4.40	853455	6.29	407781	7.84
JD54107-2MS	303798	2.91	646277	3.93	874424	4.40	818531	6.29	384791	7.84
JD54107-2MSD	315828	2.91	666952	3.93	885774	4.40	831322	6.29	397566	7.84
ZZZZZZ	292695	2.91	689167	3.93	895714	4.40	813091	6.29	383072	7.84
ZZZZZZ	295424	2.91	695244	3.93	889533	4.40	816377	6.29	382499	7.84
ZZZZZZ	269042	2.91	702854	3.93	898162	4.40	821449	6.29	390033	7.84
JD54107-2	275601	2.91	673830	3.93	881369	4.40	825466	6.29	385775	7.84
ZZZZZZ	270816	2.91	712110	3.93	901928	4.40	808807	6.29	384797	7.84
JD54013-21 [g]	278159	2.91	674674	3.93	877834	4.40	829227	6.29	384587	7.84

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) (pH= 6)Sample pH did not satisfy field preservation criteria.
(d) (pH= 5)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentraton of non-target compound.
(e) (pH= 3)Sample pH did not satisfy field preservation criteria.
(f) Dilution required due to high concentraton of non-target compound.
(g) (pH= 3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	V1U2006-CC2005	**Injection Date:**	10/25/22
Lab File ID:	1U49412.D	**Injection Time:**	16:12
Instrument ID:	GCMS1U	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	185383	2.06	263156	3.00	357402	3.29	333001	5.09	159698	6.83
Upper Limit [a]	370766	2.56	526312	3.50	714804	3.79	666002	5.59	319396	7.33
Lower Limit [b]	92692	1.56	131578	2.50	178701	2.79	166501	4.59	79849	6.33
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V1U2006-BS	173784	2.06	261578	3.00	352891	3.29	325126	5.09	149323	6.83
V1U2006-MB	182548	2.06	247736	3.00	341697	3.29	324078	5.09	160014	6.83
JD54013-22 [c]	169615	2.06	266455	3.00	325755	3.29	315157	5.09	152746	6.83
JD54013-22MS [d]	183204	2.06	288238	2.99	361849	3.29	333984	5.09	152624	6.83
JD54013-22MSD [d]	188081	2.06	296504	3.00	366409	3.29	336381	5.09	156164	6.83
ZZZZZZ	185295	2.06	262514	3.00	348730	3.29	333877	5.09	158444	6.83
ZZZZZZ	172990	2.06	250846	2.99	342901	3.29	322477	5.09	154690	6.83
ZZZZZZ	172920	2.06	250697	3.00	332152	3.29	317276	5.09	155391	6.83
ZZZZZZ	173022	2.06	238745	3.00	318975	3.29	304867	5.09	149440	6.83
ZZZZZZ	169700	2.06	245333	3.00	328549	3.29	310722	5.09	149903	6.83
ZZZZZZ	173190	2.06	236714	2.99	317821	3.29	303757	5.09	146904	6.83
JD54013-16	172068	2.06	234010	2.99	312853	3.29	298007	5.09	147325	6.83
JD54013-18	158051	2.06	244586	3.00	304974	3.29	295328	5.09	142679	6.83
ZZZZZZ	164697	2.06	227890	3.00	322788	3.29	282756	5.10	125586	6.83
ZZZZZZ	164697	2.06	227890	3.00	322788	3.29	282756	5.10	125586	6.83

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Preliminary data. (pH= 6)Sample pH did not satisfy field preservation criteria. Dilutionn due to high concentration of target compound.
(d) (pH= 6)Sample pH did not satisfy field preservation criteria.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std: V2A9618-CC9596 **Injection Date:** 10/27/22
Lab File ID: 2A221260.D **Injection Time:** 09:40
Instrument ID: GCMS2A **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	332740	7.25	657614	9.51	893623	10.43	723855	13.56	370233	15.89
Upper Limit [a]	665480	7.75	1315228	10.01	1787246	10.93	1447710	14.06	740466	16.39
Lower Limit [b]	166370	6.75	328807	9.01	446812	9.93	361928	13.06	185117	15.39
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V2A9618-BS	333178	7.25	654399	9.51	884563	10.43	716983	13.56	375709	15.89
V2A9618-MB	344417	7.25	682522	9.51	926639	10.43	761323	13.56	382766	15.89
ZZZZZZ	328817	7.25	652959	9.51	902660	10.44	736172	13.56	366059	15.89
ZZZZZZ	330917	7.25	654665	9.51	890612	10.43	729135	13.56	364907	15.89
ZZZZZZ	316728	7.25	651596	9.51	893958	10.43	724934	13.56	363507	15.89
JD54013-8	328027	7.25	641085	9.51	866472	10.43	714835	13.56	357305	15.89
JD54013-12	295665	7.25	643767	9.51	880558	10.43	720121	13.56	366657	15.89
JD54013-13 [c]	333877	7.25	646833	9.51	881719	10.43	714914	13.56	362578	15.89
JD54013-14 [d]	336324	7.25	645848	9.51	876470	10.43	728448	13.56	362464	15.89
JD54013-11 [e]	338834	7.24	648483	9.51	882472	10.43	729161	13.56	368074	15.89
ZZZZZZ	374672	7.25	724615	9.51	970290	10.43	811972	13.56	402753	15.89
JD54227-4MS	362886	7.25	725094	9.51	983109	10.43	789954	13.56	402401	15.89
JD54227-4MSD	387702	7.24	750290	9.51	1009340	10.43	814097	13.56	411997	15.89
ZZZZZZ	378731	7.25	780885	9.51	1052753	10.43	868525	13.56	436124	15.89
ZZZZZZ	371117	7.25	773894	9.51	1032530	10.43	847838	13.56	420951	15.89
ZZZZZZ	398797	7.25	791734	9.51	1061693	10.43	873156	13.56	443620	15.89
ZZZZZZ	371328	7.24	773731	9.51	1043821	10.43	853938	13.56	429617	15.89
ZZZZZZ	298904	7.26	742226	9.51	1005013	10.43	819315	13.56	411357	15.89
ZZZZZZ	332886	7.26	739914	9.51	1007179	10.43	814175	13.56	414431	15.89
JD54227-4	328001	7.25	734558	9.51	986602	10.43	814563	13.56	409878	15.89
ZZZZZZ	336596	7.24	723108	9.51	980462	10.43	798746	13.56	403306	15.89
ZZZZZZ	325290	7.25	701718	9.51	947482	10.43	771260	13.56	385226	15.89

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to high concentration of target compound.
(d) Dilution required due to high concentration of target compound.corr no pH
(e) (pH= 6)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of non-target compound.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	V2U2006-CC2005	**Injection Date:**	10/25/22
Lab File ID:	2U49413.D	**Injection Time:**	16:27
Instrument ID:	GCMS2U	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	190550	2.07	227824	3.00	308053	3.29	296084	5.09	157766	6.83
Upper Limit [a]	381100	2.57	455648	3.50	616106	3.79	592168	5.59	315532	7.33
Lower Limit [b]	95275	1.57	113912	2.50	154027	2.79	148042	4.59	78883	6.33

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2U2006-BS	191524	2.07	231136	3.00	313878	3.29	301219	5.09	159424	6.83
V2U2006-MB	186167	2.06	218487	3.00	296999	3.29	289733	5.09	148460	6.83
JD54013-21 [c]	180004	2.07	246734	3.00	281796	3.29	280344	5.09	159683	6.83
JD54013-21MS [d]	177917	2.07	251591	3.00	303540	3.29	291230	5.09	164578	6.83
JD54013-21MSD [d]	199731	2.07	269110	3.00	323306	3.29	312148	5.10	173196	6.83
ZZZZZZ	199335	2.06	229134	3.00	314897	3.29	303098	5.09	155763	6.83
ZZZZZZ	189289	2.06	224587	3.00	302285	3.29	294208	5.09	149301	6.83
ZZZZZZ	192301	2.07	216280	3.00	293313	3.29	288761	5.09	147074	6.83
ZZZZZZ	178153	2.06	207545	3.00	281539	3.29	271959	5.09	139235	6.83
JD54013-15	183155	2.06	207622	3.00	282406	3.29	270930	5.09	139957	6.83
JD54013-17	187829	2.06	204790	3.00	269775	3.29	264324	5.09	135672	6.83
ZZZZZZ	163398	2.07	199152	3.00	291518	3.29	276301	5.09	144197	6.83

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) (pH= 3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.
(d) (pH= 3)Sample pH did not satisfy field preservation criteria.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	V3D7704-CC7672	**Injection Date:**	10/21/22
Lab File ID:	3D183164.D	**Injection Time:**	21:16
Instrument ID:	GCMS3D	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	181849	2.87	483428	4.07	720058	4.62	714096	7.00	337790	9.19
Upper Limit [a]	363698	3.37	966856	4.57	1440116	5.12	1428192	7.50	675580	9.69
Lower Limit [b]	90925	2.37	241714	3.57	360029	4.12	357048	6.50	168895	8.69
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V3D7704-BS	199524	2.87	496929	4.07	731147	4.62	716443	7.00	340787	9.19
V3D7704-MB	207518	2.87	517566	4.07	720269	4.62	688214	7.00	318989	9.19
JD54013-1 [c]	197702	2.87	531430	4.07	739625	4.62	727094	7.00	351021	9.19
JD54013-1MS	212461	2.87	529243	4.07	760256	4.62	759113	7.00	361248	9.19
JD54013-1MSD	212058	2.87	568949	4.07	807170	4.62	800956	7.00	379714	9.19
JD54013-4	209090	2.87	541927	4.07	746750	4.62	721127	7.00	346221	9.18
ZZZZZZ	189455	2.87	537022	4.07	742134	4.62	726198	7.00	338420	9.18
ZZZZZZ	202683	2.87	538567	4.07	750144	4.62	713048	7.00	337607	9.19
ZZZZZZ	169276	2.87	536335	4.07	742078	4.62	709060	7.00	325624	9.19
ZZZZZZ	191020	2.87	527555	4.07	730409	4.62	704605	7.00	330448	9.19
ZZZZZZ	224383	2.87	533311	4.07	743074	4.62	713050	7.00	328077	9.19
ZZZZZZ	239276	2.87	536533	4.07	744899	4.62	705400	7.00	327381	9.19
ZZZZZZ	226077	2.87	518629	4.07	720933	4.62	689455	7.00	339463	9.19
ZZZZZZ	209197	2.87	510973	4.07	720650	4.62	694647	7.00	325713	9.19
ZZZZZZ	198440	2.87	514266	4.07	719152	4.62	695361	7.00	320789	9.18
ZZZZZZ	220001	2.87	517743	4.07	727105	4.62	697277	7.00	325378	9.19
ZZZZZZ	205747	2.87	522400	4.07	727866	4.62	693220	7.00	329055	9.19
ZZZZZZ	203588	2.87	516341	4.06	719088	4.62	689216	7.00	323274	9.19
ZZZZZZ	214020	2.87	520778	4.07	719334	4.62	702875	7.00	332552	9.19
ZZZZZZ	209475	2.87	506460	4.07	711327	4.62	683247	7.00	321769	9.19
ZZZZZZ	186102	2.87	505076	4.07	702431	4.62	685466	7.00	320105	9.19
ZZZZZZ	193180	2.87	487566	4.07	686237	4.62	653769	6.99	312263	9.19

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to high concentrations of target and non-target compounds.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	V3D7708-CC7672	**Injection Date:**	10/24/22
Lab File ID:	3D183259.D	**Injection Time:**	09:41
Instrument ID:	GCMS3D	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	177570	2.87	524962	4.06	758325	4.62	742188	6.99	346252	9.19
Upper Limit [a]	355140	3.37	1049924	4.56	1516650	5.12	1484376	7.49	692504	9.69
Lower Limit [b]	88785	2.37	262481	3.56	379163	4.12	371094	6.49	173126	8.69
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V3D7708-BS	151796	2.87	522290	4.06	761154	4.62	761604	7.00	358346	9.19
V3D7708-MB	208377	2.87	539525	4.07	766638	4.62	716267	7.00	339199	9.19
JD54013-3	184788	2.87	526282	4.06	746623	4.62	724887	6.99	344266	9.19
ZZZZZZ	209299	2.87	527470	4.07	751460	4.62	711555	7.00	350810	9.19
JD54013-2 [c]	218848	2.87	536336	4.07	749729	4.62	720904	7.00	351192	9.19
ZZZZZZ	200495	2.87	536478	4.07	765137	4.62	717177	7.00	348043	9.19
JD54013-1	440184[d]	2.87	477930	4.06	682536	4.62	692997	7.00	340406	9.19
ZZZZZZ	192340	2.87	499846	4.07	718279	4.62	684503	7.00	328616	9.19
ZZZZZZ	176605	2.87	500602	4.07	708309	4.62	673318	7.00	333584	9.18
JD54013-2MS	167085	2.87	478736	4.07	709275	4.62	727919	7.00	352283	9.19
JD54013-2MSD	216745	2.87	518702	4.07	759259	4.62	776672	7.00	371506	9.19
ZZZZZZ	218338	2.87	524445	4.07	753975	4.62	722565	7.00	349627	9.19
ZZZZZZ	226433	2.87	526665	4.07	747444	4.62	730896	7.00	346117	9.19
ZZZZZZ	205753	2.87	529531	4.07	753695	4.62	726554	7.00	347997	9.19
ZZZZZZ	199276	2.87	502378	4.07	728127	4.62	692881	7.00	336513	9.19
ZZZZZZ	192840	2.87	493879	4.07	716079	4.62	696110	7.00	337947	9.19
ZZZZZZ	211252	2.87	483235	4.07	694437	4.62	692383	7.00	342076	9.19
ZZZZZZ	253085	2.87	513767	4.07	737647	4.62	720171	7.00	364283	9.19

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to high concentration of non-target compound.
(d) Outside the QC criteria but no associated target compounds reported under this internal standard.

Internal Standard Area Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Check Std:	V3D7712-CC7672	**Injection Date:**	10/26/22
Lab File ID:	3D183375.D	**Injection Time:**	09:44
Instrument ID:	GCMS3D	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	213325	2.87	462801	4.07	670735	4.62	679097	7.00	324602	9.19
Upper Limit [a]	426650	3.37	925602	4.57	1341470	5.12	1358194	7.50	649204	9.69
Lower Limit [b]	106663	2.37	231401	3.57	335368	4.12	339549	6.50	162301	8.69
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V3D7712-BS	192313	2.87	475749	4.07	696639	4.62	700632	7.00	336564	9.19
V3D7712-MB	214838	2.87	493959	4.07	682165	4.62	679993	7.00	327253	9.19
ZZZZZZ	240072	2.87	502473	4.07	709041	4.62	687099	7.00	329361	9.19
ZZZZZZ	222418	2.87	482768	4.07	703899	4.62	679083	7.00	323686	9.18
ZZZZZZ	215404	2.87	476896	4.07	689738	4.62	679865	7.00	327058	9.19
ZZZZZZ	228385	2.87	461809	4.07	683251	4.62	669377	7.00	313311	9.19
ZZZZZZ	245077	2.87	497264	4.07	702188	4.62	682915	7.00	321693	9.19
ZZZZZZ	246943	2.87	495498	4.07	728157	4.62	679640	7.00	328280	9.19
ZZZZZZ	220615	2.87	501236	4.07	721555	4.62	686457	7.00	334503	9.19
ZZZZZZ	233410	2.87	491677	4.07	717687	4.62	684624	7.00	328716	9.19
ZZZZZZ	224957	2.87	493639	4.07	720024	4.62	680084	7.00	333385	9.19
JD54013-5MS	266918	2.87	498215	4.07	735862	4.62	743885	7.00	365245	9.19
JD54013-5MSD	264011	2.87	531834	4.06	764172	4.62	774370	7.00	368643	9.19
JD54013-5 [c]	277200	2.87	547763	4.07	747989	4.62	733148	7.00	368497	9.19
JD54013-6 [c]	272135	2.87	537600	4.07	754727	4.62	748893	7.00	364363	9.19
JD54013-7 [d]	284576	2.87	551645	4.07	777073	4.62	751745	7.00	373919	9.19
JD54013-9 [c]	244108	2.87	550707	4.07	753891	4.62	752018	7.00	367679	9.19
JD54013-10	279638	2.87	554694	4.07	765488	4.62	762264	7.00	374228	9.19

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Dilution required due to high concentration of non-target compound.
(d) Dilution required due to high concentrations of target and non-target compounds.

Surrogate Recovery Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD54013-1	3D183170.D	96	103	101	103
JD54013-1	3D183270.D	98	99	100	97
JD54013-2	3D183266.D	97	101	103	101
JD54013-3	3D183264.D	97	100	102	100
JD54013-4	3D183175.D	95	102	102	101
JD54013-5	3D183393.D	93	103	100	100
JD54013-6	3D183395.D	96	104	100	104
JD54013-7	3D183396.D	97	102	101	104
JD54013-8	2A221268.D	98	91	99	96
JD54013-9	3D183398.D	96	104	101	102
JD54013-10	3D183399.D	96	103	101	102
JD54013-11	2A221272.D	99	91	99	96
JD54013-12	2A221269.D	99	91	100	94
JD54013-13	2A221270.D	99	92	100	96
JD54013-14	2A221271.D	98	91	100	96
JD54013-15	2U49441.D	101	95	101	98
JD54013-16	1U49442.D	101	99	101	96
JD54013-17	2U49443.D	99	97	100	98
JD54013-18	1U49444.D	96	98	100	96
JD54013-19	1A227619.D	97	113	94	93
JD54013-20	1A227613.D	94	111	96	93
JD54013-21	1A227633.D	97	114	94	95
JD54013-21	1A227614.D	97	116	95	97
JD54013-21	2U49421.D	88	102	100	89
JD54013-22	1U49422.D	95	101	100	96
JD54013-22	1A227611.D	93	113	95	93
JD54013-1MS	3D183171.D	96	101	98	105
JD54013-1MSD	3D183172.D	95	102	97	104
JD54013-21MS	2U49423.D	89	107	98	91
JD54013-21MSD	2U49425.D	87	106	99	91
JD54013-22MS	1U49424.D	91	106	99	102
JD54013-22MSD	1U49426.D	93	107	102	102
JD54013-2MS	3D183273.D	101	100	97	102
JD54013-2MSD	3D183274.D	100	104	97	101
JD54013-5MS	3D183390.D	100	101	98	104
JD54013-5MSD	3D183391.D	97	100	97	105
JD54107-2MS	1A227620.D	99	106	91	94
JD54107-2MSD	1A227621.D	95	106	91	93
JD54227-4MS	2A221274.D	98	85	101	95
JD54227-4MSD	2A221275.D	97	85	101	97

Surrogate Recovery Summary

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
V1A9741-BS	1A227606.D	95	108	92	94
V1A9741-MB	1A227608.D	94	113	97	95
V1U2006-BS	1U49416.D	98	104	98	102
V1U2006-MB	1U49420.D	105	98	101	96
V2A9618-BS	2A221262.D	99	88	102	94
V2A9618-MB	2A221264.D	97	90	98	95
V2U2006-BS	2U49417.D	96	106	98	97
V2U2006-MB	2U49419.D	104	102	102	99
V3D7704-BS	3D183166.D	97	96	99	102
V3D7704-MB	3D183168.D	96	100	103	105
V3D7708-BS	3D183261.D	97	98	98	101
V3D7708-MB	3D183263.D	96	97	104	102
V3D7712-BS	3D183377.D	98	99	98	103
V3D7712-MB	3D183379.D	94	102	101	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1A9711-ICC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226737.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report MSDTEST1A

Method : C:\msdchem\1\methods\M1A9711.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 07 10:22:28 2022
Response via : Initial Calibration

Calibration Files
8 =1A226735.D 0.5 =1A226731.D 4 =1A226734.D 50 =1A226737.D
100 =1A226738.D 1 =1A226732.D 200 =1A226739.D 20 =1A226736.D
2 =1A226733.D 0.2 =1A226730.D = =

Compound	8	0.5	4	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert Butyl Alcohol-d9 ----------ISTD----------												
2) 1,4-dioxane	0.042	0.054	0.047	0.038	0.035	0.062	0.053	0.049			0.047	19.13
3) ethanol	0.045	0.050	0.046	0.039	0.060	0.066	0.048	0.046			0.050	17.58
4) tertiary butyl alcohol	1.088	1.107	1.135	1.141	1.170	1.074	1.071	1.136			1.115	3.20
5) I pentafluorobenzene ----------ISTD----------												
6) chlorodifluoromethane	0.456	0.573	0.461	0.414	0.416	0.515	0.386	0.426	0.524		0.463	13.30
7) dichlorodifluoromethane	0.546	0.509	0.574	0.534	0.545	0.571	0.514	0.525	0.599	0.523	0.544	5.36
8) chloromethane	0.466	0.605	0.485	0.419	0.416	0.596	0.373	0.432	0.563		0.484	17.54
9) vinyl chloride	0.583	0.659	0.588	0.553	0.540	0.629	0.482	0.563	0.643		0.582	9.59
10) 1,3-butadiene	0.468	0.492	0.398	0.369	0.539	0.328	0.443	0.543			0.448	17.45
11) bromomethane	0.152	0.164	0.173	0.225	0.203	0.234	0.144	0.208			0.188	18.21
12) chloroethane	0.315	0.435	0.341	0.299	0.294	0.350	0.274	0.312	0.352		0.330	14.34
13) trichlorofluoromethane	0.701	0.584	0.736	0.645	0.649	0.731	0.604	0.665	0.776	0.657	0.675	8.99
14) ethyl ether	0.236	0.255	0.224	0.206	0.204	0.254	0.196	0.214	0.269	0.209	0.227	11.18
15) acrolein	0.091	0.110	0.083	0.086		0.085	0.086				0.090	11.00
16) freon 113	0.326	0.363	0.341	0.306	0.308	0.340	0.304	0.311	0.391	0.348	0.334	8.54
17) 1,1-dichloroethene	0.342	0.415	0.351	0.307	0.305	0.378	0.294	0.318	0.386		0.344	12.25
18) acetone	0.058	0.059	0.048	0.047		0.037	0.053	0.069			0.053	19.11
19) acetonitrile	0.030	0.036	0.024	0.024		0.026	0.025				0.028	17.36
20) iodomethane	0.166	0.116	0.301	0.383			0.212	0.109			0.214	50.64
---- Quadratic regression ---- Coefficient = 0.9990												
Response Ratio = -0.00539 + 0.19951 *A + 0.09431 *A^2												
21) iso-butyl alcohol	0.017	0.018	0.013	0.012		0.017	0.018				0.016	15.79

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1A9711-ICC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226737.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

22) carbon disulfide
0.979 1.005 0.864 0.870 1.156 0.846 0.912 1.122 0.969 12.25
23) methylene chloride
0.378 0.390 0.334 0.330 0.445 0.319 0.343 0.419 0.370 12.43
24) methyl acetate
0.090 0.097 0.080 0.078 0.113 0.079 0.085 0.105 0.091 14.43
25) methyl tert butyl ether
1.179 1.245 1.179 1.058 1.039 1.387 0.988 1.089 1.304 1.190 1.166 10.71
26) trans-1,2-dichloroethene
0.371 0.441 0.381 0.337 0.332 0.422 0.319 0.345 0.418 0.374 11.85
27) hexane
0.469 0.581 0.491 0.441 0.442 0.579 0.416 0.448 0.549 0.491 12.90
28) di-isopropyl ether
1.233 1.467 1.211 1.086 1.062 1.414 0.979 1.132 1.389 1.219 14.09
29) ethyl tert-butyl ether
1.222 1.334 1.248 1.121 1.103 1.355 1.035 1.129 1.344 1.297 1.219 9.45
30) 2-butanone
0.067 0.072 0.063 0.060 0.060 0.077 0.056 0.060 0.068 0.065 10.45
31) 1,1-dichloroethane
0.663 0.813 0.664 0.582 0.573 0.721 0.537 0.602 0.763 0.673 0.659 13.39
32) chloroprene
0.577 0.625 0.574 0.512 0.505 0.586 0.473 0.544 0.651 0.561 10.30
33) acrylonitrile
0.186 0.198 0.182 0.181 0.211 0.176 0.173 0.208 0.189 7.75
34) vinyl acetate
0.084 0.090 0.064 0.064 0.063 0.074 0.073 16.08
35) ethyl acetate
0.084 0.090 0.070 0.071 0.067 0.071 0.075 12.23
36) 2,2-dichloropropane
0.569 0.677 0.598 0.512 0.493 0.707 0.475 0.539 0.644 0.579 14.33
37) cis-1,2-dichloroethene
0.407 0.461 0.428 0.377 0.371 0.454 0.354 0.390 0.429 0.460 0.413 9.51
38) propionitrile
0.076 0.081 0.075 0.065 0.061 0.086 0.062 0.067 0.077 0.072 12.32
39) methyl acrylate
0.089 0.097 0.078 0.074 0.102 0.072 0.079 0.092 0.085 13.02
40) bromochloromethane
0.218 0.264 0.204 0.199 0.196 0.242 0.183 0.195 0.222 0.214 12.11
41) tetrahydrofuran
0.081 0.080 0.069 0.066 0.065 0.074 0.072 9.37
42) chloroform
0.680 0.886 0.715 0.609 0.601 0.815 0.562 0.638 0.796 0.700 15.85
43) dibromofluoromethane (s)
0.428 0.417 0.424 0.415 0.397 0.425 0.393 0.418 0.423 0.417 0.416 2.83
44) methacrylonitrile
0.217 0.208 0.192 0.192 0.258 0.183 0.196 0.230 0.210 11.84
45) 1,1,1-trichloroethane
0.608 0.619 0.618 0.584 0.588 0.649 0.549 0.589 0.683 0.610 6.44
46) cyclohexane
0.540 0.523 0.536 0.525 0.531 0.535 0.487 0.516 0.564 0.529 3.92
47) 1,1-dichloropropene
0.497 0.557 0.508 0.460 0.457 0.552 0.431 0.471 0.563 0.499 9.78
48) carbon tetrachloride
0.574 0.610 0.571 0.533 0.532 0.585 0.509 0.542 0.605 0.605 0.567 6.29
49) isopropyl acetate
0.116 0.112 0.101 0.100 0.110 0.096 0.101 0.110 0.106 6.78
50) tert amyl alcohol
0.020 0.020 0.017 0.016 0.018 0.019 0.018 8.64

51) I 1,4-difluorobenzene ----------ISTD----------

52) 1,2-dichloroethane-d4 (s)
0.338 0.343 0.343 0.316 0.307 0.350 0.303 0.333 0.346 0.340 0.332 5.12
53) tert-amyl methyl ether
0.832 0.853 0.857 0.786 0.776 0.958 0.764 0.770 0.936 0.837 8.59
54) 2,2,4-trimethylpentane
0.570 0.609 0.538 0.547 0.682 0.520 0.549 0.696 0.589 11.42
55) n-butyl alcohol
0.006 0.007 0.007 0.006 0.009 0.007 0.007 0.007 12.91
56) benzene
1.015 1.130 1.017 0.972 0.987 1.137 0.956 0.988 1.133 1.128 1.046 7.25
57) heptane
0.112 0.114 0.105 0.112 0.106 0.105 0.129 0.112 7.57
58) 1,2-dichloroethane
0.372 0.486 0.374 0.347 0.345 0.465 0.337 0.352 0.479 0.395 15.83
59) trichloroethene
0.282 0.316 0.277 0.278 0.288 0.322 0.280 0.270 0.326 0.293 7.47
60) ethyl acrylate
0.454 0.438 0.433 0.431 0.462 0.422 0.424 0.501 0.445 5.90
61) 2-nitropropane
0.116 0.140 0.108 0.107 0.108 0.115 0.116 10.75
62) 2-chloroethyl vinyl ether
0.066 0.063 0.062 0.053 0.035 0.077 0.062 0.070 0.061 20.69
---- Quadratic regression ---- Coefficient = 0.9993
Response Ratio = -0.00005 + 0.06926 *A + -0.00341 *A^2

63) methyl methacrylate
0.099 0.111 0.096 0.097 0.101 0.099 0.090 0.106 0.100 6.18
64) 1,2-dichloropropane
0.254 0.336 0.267 0.244 0.247 0.296 0.240 0.244 0.303 0.270 12.46
65) methylcyclohexane
0.372 0.449 0.372 0.370 0.376 0.409 0.360 0.366 0.425 0.389 7.98
66) dibromomethane
0.177 0.243 0.186 0.171 0.175 0.191 0.173 0.168 0.200 0.187 12.52
67) bromodichloromethane
0.382 0.446 0.378 0.353 0.360 0.435 0.355 0.346 0.407 0.385 9.55
68) cis-1,3-dichloropropene
0.432 0.465 0.439 0.417 0.425 0.464 0.414 0.415 0.509 0.442 7.18
69) epichlorohydrin
0.020 0.023 0.018 0.017 0.022 0.019 0.021 0.020 10.32
70) 4-methyl-2-pentanone
0.145 0.156 0.150 0.136 0.135 0.150 0.137 0.136 0.156 0.144 6.02
71) 3-methyl-1-butanol
0.008 0.008 0.008 0.007 0.009 0.008 0.009 0.008 8.58

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.347 1.374 1.350 1.267 1.245 1.330 1.199 1.308 1.373 1.372 1.317 4.62
74) toluene
0.767 0.855 0.787 0.720 0.727 0.849 0.689 0.738 0.797 0.948 0.788 9.90
75) trans-1,3-dichloropropene
0.476 0.466 0.476 0.439 0.441 0.483 0.429 0.447 0.524 0.528 0.471 7.23
76) ethyl methacrylate
0.463 0.574 0.485 0.439 0.437 0.570 0.418 0.450 0.540 0.486 12.35
77) 1,1,2-trichloroethane
0.251 0.338 0.267 0.231 0.235 0.285 0.223 0.234 0.287 0.261 14.27
78) 2-hexanone
0.173 0.158 0.177 0.156 0.154 0.196 0.146 0.163 0.189 0.157 0.167 9.79
79) tetrachloroethene
0.338 0.400 0.365 0.342 0.358 0.372 0.349 0.338 0.383 0.361 6.01
80) 1,3-dichloropropane

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1A9711-ICC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226737.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
          0.495 0.582 0.509 0.437 0.435 0.509 0.425 0.457 0.551 0.517  0.492   10.64
 81)  butyl acetate
          0.264       0.268 0.236 0.235 0.302 0.223 0.227 0.293        0.256   11.95
 82)  dibromochloromethane
          0.345 0.424 0.353 0.341 0.357 0.376 0.348 0.336 0.398        0.364    8.14
 83)  1,2-dibromoethane
          0.332 0.367 0.336 0.314 0.317 0.341 0.311 0.307 0.360        0.332    6.47
 84)  n-butyl ether
          1.226 1.057 1.237 1.123 1.113 1.231 1.046 1.162 1.336        1.170    8.14
 85)  chlorobenzene
          0.844 0.928 0.854 0.800 0.818 0.953 0.792 0.804 0.938 1.017  0.875    8.95
 86)  1,1,1,2-tetrachloroethane
          0.308 0.356 0.313 0.305 0.309 0.324 0.301 0.304 0.357 0.327  0.320    6.50
 87)  ethylbenzene
          1.353 1.527 1.402 1.282 1.282 1.464 1.219 1.307 1.576 1.649  1.406   10.17
 88)  m,p-xylene
          0.536 0.577 0.537 0.505 0.512 0.536 0.498 0.515 0.577 0.575  0.537    5.67
 89)  o-xylene
          0.522 0.544 0.526 0.508 0.511 0.544 0.491 0.511 0.581 0.579  0.532    5.66
 90)  butyl acrylate
          0.658       0.643 0.656 0.660 0.687 0.630 0.644 0.695        0.659    3.34
 91)  n-amyl acetate
          0.237       0.227 0.221 0.224 0.195 0.216 0.220 0.206        0.218    5.89
 92)  styrene
          0.901 0.947 0.896 0.858 0.855 0.842 0.822 0.855 0.966 0.878  0.882    5.22
 93)  bromoform
          0.234 0.240 0.238 0.249 0.272 0.259 0.270 0.234 0.255        0.250    5.90
 94)  isopropylbenzene
          1.255 1.412 1.265 1.214 1.230 1.354 1.150 1.224 1.399 1.445  1.295    7.73
 95)  cis-1,4-dichloro-2-butene
          0.120       0.134 0.126 0.127 0.120 0.126 0.119 0.130        0.125    4.25

 96) I   1,4-dichlorobenzene-d ----------------ISTD----------------------
 97)  4-bromofluorobenzene (s)
          1.004 1.031 1.015 0.967 0.973 1.016 0.953 0.982 1.028 1.025  0.999    2.82
 98)  bromobenzene
          0.798 1.007 0.831 0.814 0.842 0.842 0.818 0.774 0.901        0.847    8.19
 99)  1,1,2,2-tetrachloroethane
          0.925 1.121 0.964 0.831 0.853 1.092 0.827 0.830 1.093        0.948   13.13
100)  trans-1,4-dichloro-2-butene
          0.226       0.242 0.219 0.226 0.214 0.223 0.212 0.221        0.223    4.18
101)  1,2,3-trichloropropane
          0.303       0.315 0.268 0.272 0.288 0.263 0.283 0.337        0.291    8.83
102)  n-propylbenzene
          3.272 3.786 3.343 3.041 3.055 3.450 2.854 3.093 3.715        3.290    9.62
103)  2-chlorotoluene
          0.704 0.770 0.697 0.688 0.701 0.731 0.667 0.685 0.793        0.715    5.82
104)  4-chlorotoluene
          0.744 0.777 0.759 0.693 0.701 0.790 0.677 0.692 0.774        0.734    5.93
105)  1,3,5-trimethylbenzene
          2.231 2.723 2.207 2.084 2.092 2.362 1.970 2.087 2.575 2.233  2.256   10.46
106)  tert-butylbenzene
          1.914 2.161 1.962 1.871 1.914 2.114 1.779 1.862 2.181 2.167  1.993    7.48
107)  1,2,4-trimethylbenzene
          2.259 2.629 2.252 2.116 2.116 2.424 2.003 2.138 2.602        2.282    9.78
108)  sec-butylbenzene
          2.543 2.729 2.496 2.407 2.441 2.701 2.274 2.380 2.824 2.711  2.551    7.11
109)  1,3-dichlorobenzene
          1.306 1.428 1.273 1.298 1.336 1.354 1.323 1.256 1.351 1.326  1.325    3.63
110)  p-isopropyltoluene
```

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1A9711-ICC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226737.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
           2.120 2.554 2.065 2.092 2.113 2.173 2.033 2.106 2.409 2.256  2.192    7.65
111)  1,2,3-trimethylbenzene
           2.248 2.528 2.267 2.082 2.072 2.496 2.025 2.116 2.529 2.345  2.271    8.68
112)  1,4-dichlorobenzene
           1.297 1.710 1.320 1.310 1.345 1.548 1.344 1.272 1.506        1.406   10.56
113)  1,2-dichlorobenzene
           1.223 1.280 1.189 1.247 1.268 1.389 1.237 1.193 1.265 1.482  1.277    7.16
114)  n-butylbenzene
           0.908 1.155 0.872 0.886 0.891 0.780 0.864 0.871 0.980        0.912   11.48
115)  1,2-dibromo-3-chloropropane
           0.237 0.205 0.218 0.228 0.244 0.226 0.260 0.216 0.227        0.229    7.15
116)  1,3,5-trichlorobenzene
           0.673 0.661 0.688 0.693 0.746 0.619 0.773 0.655 0.755        0.696    7.42
117)  1,2,4-trichlorobenzene
           0.561 0.659 0.576 0.592 0.643 0.453 0.687 0.537 0.640        0.594   12.16
118)  hexachlorobutadiene
           0.212 0.328 0.194 0.210 0.223 0.237 0.245 0.192 0.270        0.235   18.37
119)  naphthalene
           1.967 2.055 1.937 2.001 2.099 1.800 2.102 1.906 2.135        2.000    5.46
120)  1,2,3-trichlorobenzene
           0.477 0.500 0.479 0.486 0.535 0.523 0.566 0.460 0.545        0.508    7.07
121)  hexachloroethane
           0.340 0.454 0.339 0.349 0.376 0.308 0.363 0.333 0.369        0.359   11.50
122)  benzyl chloride
           1.646 1.601 1.625 1.571 1.616 1.897 1.591 1.581 1.781        1.657    6.63
123)  2-methylnaphthalene
           0.316             0.375 0.401       0.456 0.335              0.377   14.69
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M1A9711.M         Fri Oct 07 10:28:00 2022   1A
```

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1A9711-ICV9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226742.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\V1A9711\1A226742.D Vial: 14
Acq On : 7 Oct 2022 2:58 am Operator: PrashanS
Sample : icv9711-50 Inst : MSDTEST1A
Misc : MS62542, V1A9711,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1A9711.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 07 10:22:28 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert Butyl Alcohol-d9	1.000	1.000	0.0	106	0.00	2.92
2	1,4-dioxane	0.047	0.055	-17.0	124	0.00	4.74
3	ethanol	0.050	0.052	-4.0	121	0.00	2.41
4 M	tertiary butyl alcohol	1.115	1.145	-2.7	107	0.00	2.96
5 I	pentafluorobenzene	1.000	1.000	0.0	97	0.00	3.93
6	chlorodifluoromethane	----------NA----------					
7	dichlorodifluoromethane	0.544	0.476	12.5	86	0.00	1.63
8	chloromethane	0.484	0.394	18.6	91	0.00	1.78
9	vinyl chloride	0.582	0.550	5.5	96	0.00	1.86
10	1,3-butadiene	0.448	0.578	-29.0	141	0.00	1.89
11	bromomethane	0.188	0.200	-6.4	112	0.00	2.10
12	chloroethane	0.330	0.318	3.6	103	0.00	2.17
13	trichlorofluoromethane	0.675	0.642	4.9	96	0.00	2.34
14	ethyl ether	0.227	0.216	4.8	101	0.00	2.50
15	acrolein	0.090	0.098	-8.9	114	0.00	2.59
16	freon 113	0.334	0.293	12.3	92	0.00	2.66
17	1,1-dichloroethene	0.344	0.323	6.1	102	0.00	2.66
18	acetone	0.053	0.048	9.4	96	0.00	2.66
19	acetonitrile	0.028	0.024	14.3	95	0.00	2.83
	----------	True	Calc.	% Drift	----------		
20	iodomethane	50.000	46.456	7.1	84	0.00	2.76
	----------	AvgRF	CCRF	% Dev	----------		
21	iso-butyl alcohol	0.016	0.014	12.5	104	0.00	4.05
22	carbon disulfide	0.969	0.937	3.3	105	0.00	2.82
23	methylene chloride	0.370	0.345	6.8	100	0.00	2.94
24	methyl acetate	0.091	0.090	1.1	110	0.00	2.84
25	methyl tert butyl ether	1.166	1.119	4.0	102	0.00	3.09
26	trans-1,2-dichloroethene	0.374	0.353	5.6	101	0.00	3.10
27	hexane	0.491	0.447	9.0	98	0.00	3.26
28	di-isopropyl ether	1.219	1.113	8.7	99	0.00	3.35
29	ethyl tert-butyl ether	1.219	1.122	8.0	97	0.00	3.55
30	2-butanone	0.065	0.064	1.5	103	0.00	3.65
31 M	1,1-dichloroethane	0.659	0.598	9.3	99	0.00	3.35
32	chloroprene	0.561	0.551	1.8	104	0.00	3.40
33	acrylonitrile	0.189	0.186	1.6	99	0.00	3.07
34	vinyl acetate	0.073	0.055	24.7	84	0.00	3.33
35	ethyl acetate	0.075	0.074	1.3	102	0.00	3.66
36	2,2-dichloropropane	0.579	0.506	12.6	96	0.00	3.69
37	cis-1,2-dichloroethene	0.413	0.389	5.8	100	0.00	3.68

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1A9711-ICV9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226742.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	propionitrile	0.072	0.063	12.5	94	0.00	3.69
39	methyl acrylate	0.085	0.079	7.1	98	0.00	3.69
40	bromochloromethane	0.214	0.206	3.7	100	0.00	3.82
41	tetrahydrofuran	0.072	0.071	1.4	99	0.00	3.83
42	chloroform	0.700	0.656	6.3	104	0.00	3.86
43 S	dibromofluoromethane (s)	0.416	0.407	2.2	95	0.00	3.95
44	methacrylonitrile	0.210	0.202	3.8	101	0.00	3.78
45	1,1,1-trichloroethane	0.610	0.595	2.5	99	0.00	3.98
46	cyclohexane	0.529	0.520	1.7	96	0.00	4.03
47	1,1-dichloropropene	0.499	0.483	3.2	102	0.00	4.06
48	carbon tetrachloride	0.567	0.553	2.5	100	0.00	4.07
49	isopropyl acetate	0.106	0.105	0.9	100	0.00	4.14
50	tert amyl alcohol	0.018	0.017	5.6	97	0.00	4.13
51 I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	4.40
52 S	1,2-dichloroethane-d4 (s)	0.332	0.311	6.3	95	0.00	4.16
53	tert-amyl methyl ether	0.837	0.765	8.6	94	0.00	4.23
54	2,2,4-trimethylpentane	0.589	0.536	9.0	96	0.00	4.23
55	n-butyl alcohol	0.007	0.008	-14.3	111	0.00	4.43
56 M	benzene	1.046	1.007	3.7	100	0.00	4.19
57	heptane	0.112	0.120	-7.1	110	0.00	4.32
58	1,2-dichloroethane	0.395	0.355	10.1	99	0.00	4.20
59	trichloroethene	0.293	0.288	1.7	100	0.00	4.56
60	ethyl acrylate	0.445	0.424	4.7	95	0.00	4.56
61	2-nitropropane	0.116	0.110	5.2	98	0.00	4.99
	---------- True	Calc.	% Drift	----------			
62	2-chloroethyl vinyl ether 250.000	181.866	27.3	76	0.00	5.01	
	---------- AvgRF	CCRF	% Dev	----------			
63	methyl methacrylate	0.100	0.103	-3.0	104	0.00	4.71
64	1,2-dichloropropane	0.270	0.253	6.3	100	0.00	4.72
65	methylcyclohexane	0.389	0.382	1.8	100	0.00	4.72
66	dibromomethane	0.187	0.177	5.3	101	0.00	4.78
67	bromodichloromethane	0.385	0.365	5.2	100	0.00	4.87
68	cis-1,3-dichloropropene	0.442	0.428	3.2	99	0.00	5.13
69	epichlorohydrin	0.020	0.017	15.0	94	0.00	5.06
70	4-methyl-2-pentanone	0.144	0.140	2.8	100	0.00	5.20
71	3-methyl-1-butanol	0.008	0.008	0.0	107	0.00	5.21
72 I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	6.29
73 S	toluene-d8 (s)	1.317	1.270	3.6	96	0.00	5.32
74	toluene	0.788	0.747	5.2	100	0.00	5.36
75	trans-1,3-dichloropropene	0.471	0.452	4.0	99	0.00	5.49
76	ethyl methacrylate	0.486	0.430	11.5	94	0.00	5.49
77	1,1,2-trichloroethane	0.261	0.243	6.9	101	0.00	5.62
78	2-hexanone	0.167	0.159	4.8	97	0.00	5.74
79	tetrachloroethene	0.361	0.594	-64.5#	166	0.00	5.70
80	1,3-dichloropropane	0.492	0.453	7.9	99	0.00	5.74
81	butyl acetate	0.256	0.248	3.1	101	0.00	5.80
82	dibromochloromethane	0.364	0.358	1.6	101	0.00	5.89
83	1,2-dibromoethane	0.332	0.327	1.5	100	0.00	5.98
84	n-butyl ether	1.170	1.115	4.7	95	0.00	6.32
85	chlorobenzene	0.875	0.835	4.6	100	0.00	6.31
86	1,1,1,2-tetrachloroethane	0.320	0.315	1.6	99	0.00	6.36
87	ethylbenzene	1.406	1.320	6.1	99	0.00	6.36
88	m,p-xylene	0.537	0.524	2.4	100	0.00	6.45
89	o-xylene	0.532	0.526	1.1	99	0.00	6.72
90	butyl acrylate	0.659	0.659	0.0	96	0.00	6.63
91	n-amyl acetate	0.218	0.225	-3.2	98	0.00	6.78

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1A9711-ICV9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226742.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

92	styrene	0.882	0.884	-0.2	99	0.00	6.73
93	bromoform	0.250	0.263	-5.2	101	0.00	6.87
94	isopropylbenzene	1.295	1.258	2.9	99	0.00	6.96
95	cis-1,4-dichloro-2-butene	0.125	0.119	4.8	90	0.00	6.99
96 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	7.84
97 S	4-bromofluorobenzene (s)	0.999	0.965	3.4	94	0.00	7.08
98	bromobenzene	0.847	0.843	0.5	98	0.00	7.19
99	1,1,2,2-tetrachloroethane	0.948	0.883	6.9	101	0.00	7.15
100	trans-1,4-dichloro-2-bute	0.223	0.237	-6.3	103	0.00	7.18
101	1,2,3-trichloropropane	0.291	0.287	1.4	101	0.00	7.20
102	n-propylbenzene	3.290	3.192	3.0	99	0.00	7.23
103	2-chlorotoluene	0.715	0.711	0.6	98	0.00	7.31
104	4-chlorotoluene	0.734	0.734	0.0	100	0.00	7.39
105	1,3,5-trimethylbenzene	2.256	2.190	2.9	99	0.00	7.35
106	tert-butylbenzene	1.993	1.957	1.8	99	0.00	7.56
107	1,2,4-trimethylbenzene	2.282	2.214	3.0	99	0.00	7.60
108	sec-butylbenzene	2.551	2.489	2.4	98	0.00	7.70
109	1,3-dichlorobenzene	1.325	1.358	-2.5	99	0.00	7.80
110	p-isopropyltoluene	2.192	2.183	0.4	99	0.00	7.79
111	1,2,3-trimethylbenzene		----------NA----------				
112	1,4-dichlorobenzene	1.406	1.362	3.1	98	0.00	7.86
113	1,2-dichlorobenzene	1.277	1.299	-1.7	99	0.00	8.09
114	n-butylbenzene	0.912	0.940	-3.1	100	0.00	8.05
115	1,2-dibromo-3-chloropropa	0.229	0.245	-7.0	102	0.00	8.57
116	1,3,5-trichlorobenzene	0.696	0.728	-4.6	100	0.00	8.68
117	1,2,4-trichlorobenzene	0.594	0.628	-5.7	100	0.00	9.05
118	hexachlorobutadiene	0.235	0.220	6.4	99	0.00	9.13
119	naphthalene	2.000	2.074	-3.7	98	0.00	9.22
120	1,2,3-trichlorobenzene	0.508	0.512	-0.8	100	0.00	9.36
121	hexachloroethane	0.359	0.366	-1.9	99	0.00	8.26
122	benzyl chloride	1.657	1.571	5.2	95	0.00	7.92
123	2-methylnaphthalene	0.377	0.364	3.4	92	0.00	9.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A226737.D M1A9711.M Fri Oct 07 10:27:32 2022 1A

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1A9711-ICV9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\V1A9711\1A226743.D Vial: 15
Acq On : 7 Oct 2022 3:22 am Operator: PrashanS
Sample : icv9711-50 Inst : MSDTEST1A
Misc : MS62542, V1A9711,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1A9711.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 07 10:22:28 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert Butyl Alcohol-d9	1.000	1.000	0.0	110	0.00	2.91
2	1,4-dioxane		----------NA----------				
3	ethanol		----------NA----------				
4 M	tertiary butyl alcohol		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	94	0.00	3.93
6	chlorodifluoromethane	0.463	0.482	-4.1	109	0.00	1.64
7	dichlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile	0.028	0.026	7.1	100	0.00	2.83
	----------	True	Calc.	% Drift	----------		
20	iodomethane		----------NA----------				
	----------	AvgRF	CCRF	% Dev	----------		
21	iso-butyl alcohol		----------NA----------				
22	carbon disulfide		----------NA----------				
23	methylene chloride		----------NA----------				
24	methyl acetate		----------NA----------				
25	methyl tert butyl ether		----------NA----------				
26	trans-1,2-dichloroethene		----------NA----------				
27	hexane		----------NA----------				
28	di-isopropyl ether		----------NA----------				
29	ethyl tert-butyl ether		----------NA----------				
30	2-butanone		----------NA----------				
31 M	1,1-dichloroethane		----------NA----------				
32	chloroprene		----------NA----------				
33	acrylonitrile	0.189	0.163	13.8	84	0.00	3.07
34	vinyl acetate		----------NA----------				
35	ethyl acetate		----------NA----------				
36	2,2-dichloropropane		----------NA----------				
37	cis-1,2-dichloroethene		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1A9711-ICV9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		propionitrile		----------NA----------				
39		methyl acrylate		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				
42		chloroform		----------NA----------				
43	S	dibromofluoromethane (s)	0.416	0.428	-2.9	96	0.00	3.95
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		carbon tetrachloride		----------NA----------				
49		isopropyl acetate		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	94	0.00	4.40
52	S	1,2-dichloroethane-d4 (s)	0.332	0.344	-3.6	102	0.00	4.16
53		tert-amyl methyl ether		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55		n-butyl alcohol		----------NA----------				
56	M	benzene		----------NA----------				
57		heptane		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		cis-1,3-dichloropropene		----------NA----------				
69		epichlorohydrin		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	88	0.00	6.29
73	S	toluene-d8 (s)	1.317	1.406	-6.8	97	0.00	5.32
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene	0.361	0.328	9.1	84	0.00	5.70
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		butyl acrylate		----------NA----------				
91		n-amyl acetate		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1A9711-ICV9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A226743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

92		styrene		----------NA----------				
93		bromoform		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.999	1.009	-1.0	88	0.00	7.08
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,2,3-trimethylbenzene	2.271	2.455	-8.1	99	0.00	7.87
112		1,4-dichlorobenzene		----------NA----------				
113		1,2-dichlorobenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A226737.D M1A9711.M Fri Oct 07 10:35:20 2022 1A

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V1A9741-CC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A227604.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : X:\remote\voa-gcms\c...ec\v1a9741\1a227604.d Vial: 5
Acq On : 27 Oct 2022 10:42 am Operator: nickw
Sample : cc9711-20 Inst : MSDTEST1A
Misc : MS63384, V1A9741,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1A9711.M (RTE Integrator)
Title : SW846 Method V8260C/D and EPA 624.1, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 07 10:22:28 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert Butyl Alcohol-d9	1.000	1.000	0.0	113	0.00	2.91
2	1,4-dioxane	0.047	0.027	42.6#	57	0.00	4.74
3	ethanol	0.050	0.033	34.0#	77	0.00	2.41
4 M	tertiary butyl alcohol	1.115	0.944	15.3	99	0.00	2.96
5 I	pentafluorobenzene	1.000	1.000	0.0	130	0.00	3.93
6	chlorodifluoromethane	0.463	0.453	2.2	138	0.00	1.64
7	dichlorodifluoromethane	0.544	0.519	4.6	128	0.00	1.63
8	chloromethane	0.484	0.453	6.4	136	0.00	1.78
9	vinyl chloride	0.582	0.497	14.6	115	0.00	1.86
10	1,3-butadiene	0.448	0.496	-10.7	145	0.00	1.89
11	bromomethane	0.188	0.086	54.3#	77	0.00	2.09
12	chloroethane	0.330	0.259	21.5#	107	0.00	2.17
13	trichlorofluoromethane	0.675	0.603	10.7	118	0.00	2.33
14	ethyl ether	0.227	0.198	12.8	120	0.00	2.49
15	acrolein	0.090	0.084	6.7	128	0.00	2.58
16	freon 113	0.334	0.294	12.0	123	0.00	2.65
17	1,1-dichloroethene	0.344	0.294	14.5	120	0.00	2.66
18	acetone	0.053	0.040	24.5#	98	0.00	2.66
19	acetonitrile	0.028	0.029	-3.6	149	0.00	2.83
		True	Calc.	% Drift			
20	iodomethane	20.000	11.207	44.0#	67	0.00	2.76
		AvgRF	CCRF	% Dev			
21	iso-butyl alcohol	0.016	0.011	31.3#	83	0.00	4.05
22	carbon disulfide	0.969	0.834	13.9	119	0.00	2.82
23	methylene chloride	0.370	0.318	14.1	120	0.00	2.94
24	methyl acetate	0.091	0.078	14.3	119	0.00	2.84
25	methyl tert butyl ether	1.166	1.040	10.8	124	0.00	3.09
26	trans-1,2-dichloroethene	0.374	0.308	17.6	116	0.00	3.10
27	hexane	0.491	0.495	-0.8	143	0.00	3.25
28	di-isopropyl ether	1.219	1.237	-1.5	142	0.00	3.34
29	ethyl tert-butyl ether	1.219	1.143	6.2	131	0.00	3.55
30	2-butanone	0.065	0.053	18.5	115	0.00	3.65
31 M	1,1-dichloroethane	0.659	0.584	11.4	126	0.00	3.35
32	chloroprene	0.561	0.567	-1.1	135	0.00	3.39
33	acrylonitrile		----------NA----------				
34	vinyl acetate	0.073	0.075	-2.7	131	0.00	3.32
35	ethyl acetate	0.075	0.082	-9.3	151	0.00	3.65
36	2,2-dichloropropane	0.579	0.482	16.8	116	0.00	3.69
37	cis-1,2-dichloroethene	0.413	0.348	15.7	116	0.00	3.68

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V1A9741-CC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A227604.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		propionitrile	0.072	0.065	9.7	125	0.00	3.69
39		methyl acrylate	0.085	0.072	15.3	118	0.00	3.69
40		bromochloromethane	0.214	0.182	15.0	121	0.00	3.81
41		tetrahydrofuran	0.072	0.065	9.7	115	0.00	3.82
42		chloroform	0.700	0.584	16.6	119	0.00	3.86
43	S	dibromofluoromethane (s)	0.416	0.394	5.3	122	0.00	3.95
44		methacrylonitrile	0.210	0.186	11.4	123	0.00	3.78
45		1,1,1-trichloroethane	0.610	0.507	16.9	111	0.00	3.97
46		cyclohexane	0.529	0.456	13.8	114	0.00	4.03
47		1,1-dichloropropene	0.499	0.425	14.8	117	0.00	4.06
48		carbon tetrachloride	0.567	0.468	17.5	112	0.00	4.07
49		isopropyl acetate	0.106	0.089	16.0	114	0.00	4.14
50		tert amyl alcohol	0.018	0.017	5.6	119	0.00	4.13
51	I	1,4-difluorobenzene	1.000	1.000	0.0	121	0.00	4.40
52	S	1,2-dichloroethane-d4 (s)	0.332	0.370	-11.4	134	0.00	4.15
53		tert-amyl methyl ether	0.837	0.756	9.7	119	0.00	4.22
54		2,2,4-trimethylpentane	0.589	0.722	-22.6#	159	0.00	4.23
55		n-butyl alcohol	0.007	0.005	28.6#	89	0.00	4.43
56	M	benzene	1.046	0.928	11.3	114	0.00	4.19
57		heptane	0.112	0.162	-44.6#	187	0.00	4.31
58		1,2-dichloroethane	0.395	0.378	4.3	130	0.00	4.20
59		trichloroethene	0.293	0.249	15.0	112	0.00	4.56
60		ethyl acrylate	0.445	0.454	-2.0	129	0.00	4.56
61		2-nitropropane	0.116	0.149	-28.4#	157	0.00	4.99
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	100.000	302.507	-202.5#	285	0.00	5.01
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.100	0.088	12.0	117	0.00	4.71
64		1,2-dichloropropane	0.270	0.251	7.0	124	0.00	4.72
65		methylcyclohexane	0.389	0.395	-1.5	130	0.00	4.72
66		dibromomethane	0.187	0.173	7.5	124	0.00	4.78
67		bromodichloromethane	0.385	0.350	9.1	122	0.00	4.86
68		cis-1,3-dichloropropene	0.442	0.406	8.1	118	0.00	5.13
69		epichlorohydrin	0.020	0.027	-35.0#	174	0.00	5.06
70		4-methyl-2-pentanone	0.144	0.145	-0.7	129	0.00	5.20
71		3-methyl-1-butanol	0.008	0.006	25.0#	94	0.00	5.21
72	I	chlorobenzene-d5	1.000	1.000	0.0	131	0.00	6.29
73	S	toluene-d8 (s)	1.317	1.209	8.2	121	0.00	5.31
74		toluene	0.788	0.639	18.9	113	0.00	5.36
75		trans-1,3-dichloropropene	0.471	0.392	16.8	114	0.00	5.48
76		ethyl methacrylate	0.486	0.418	14.0	121	0.00	5.49
77		1,1,2-trichloroethane	0.261	0.218	16.5	122	0.00	5.62
78		2-hexanone	0.167	0.157	6.0	126	0.00	5.74
79		tetrachloroethene	0.361	0.322	10.8	125	0.00	5.70
80		1,3-dichloropropane	0.492	0.432	12.2	124	0.00	5.73
81		butyl acetate	0.256	0.245	4.3	141	0.00	5.80
82		dibromochloromethane	0.364	0.310	14.8	120	0.00	5.89
83		1,2-dibromoethane	0.332	0.285	14.2	121	0.00	5.98
84		n-butyl ether	1.170	1.130	3.4	127	0.00	6.32
85		chlorobenzene	0.875	0.710	18.9	115	0.00	6.31
86		1,1,1,2-tetrachloroethane	0.320	0.275	14.1	118	0.00	6.36
87		ethylbenzene	1.406	1.181	16.0	118	0.00	6.36
88		m,p-xylene	0.537	0.459	14.5	116	0.00	6.45
89		o-xylene	0.532	0.462	13.2	118	0.00	6.72
90		butyl acrylate	0.659	0.645	2.1	131	0.00	6.63
91		n-amyl acetate	0.218	0.217	0.5	129	0.00	6.79

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V1A9741-CC9711
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1A227604.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

92		styrene	0.882	0.790	10.4	121	0.00	6.73
93		bromoform	0.250	0.223	10.8	125	0.00	6.86
94		isopropylbenzene	1.295	1.139	12.0	122	0.00	6.96
95		cis-1,4-dichloro-2-butene	0.125	0.067	46.4#	74	0.00	6.99
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	143	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.999	0.941	5.8	137	0.00	7.08
98		bromobenzene	0.847	0.686	19.0	126	0.00	7.19
99		1,1,2,2-tetrachloroethane	0.948	0.787	17.0	135	0.00	7.15
100		trans-1,4-dichloro-2-bute	0.223	0.144	35.4#	97	0.00	7.18
101		1,2,3-trichloropropane	0.291	0.245	15.8	123	0.00	7.20
102		n-propylbenzene	3.290	2.746	16.5	127	0.00	7.23
103		2-chlorotoluene	0.715	0.580	18.9	121	0.00	7.31
104		4-chlorotoluene	0.734	0.596	18.8	123	0.00	7.39
105		1,3,5-trimethylbenzene	2.256	1.876	16.8	128	0.00	7.35
106		tert-butylbenzene	1.993	1.709	14.2	131	0.00	7.56
107		1,2,4-trimethylbenzene	2.282	1.957	14.2	130	0.00	7.60
108		sec-butylbenzene	2.551	2.263	11.3	136	0.00	7.70
109		1,3-dichlorobenzene	1.325	1.171	11.6	133	0.00	7.80
110		p-isopropyltoluene	2.192	1.985	9.4	134	0.00	7.79
111		1,2,3-trimethylbenzene	2.271	1.922	15.4	130	0.00	7.86
112		1,4-dichlorobenzene	1.406	1.165	17.1	131	0.00	7.86
113		1,2-dichlorobenzene	1.277	1.142	10.6	136	0.00	8.09
114		n-butylbenzene	0.912	0.881	3.4	144	0.00	8.05
115		1,2-dibromo-3-chloropropa	0.229	0.217	5.2	143	0.00	8.57
116		1,3,5-trichlorobenzene	0.696	0.777	-11.6	169	0.00	8.68
117		1,2,4-trichlorobenzene	0.594	0.655	-10.3	174	0.00	9.05
118		hexachlorobutadiene	0.235	0.270	-14.9	201#	0.00	9.13
119		naphthalene	2.000	2.047	-2.4	153	0.00	9.22
120		1,2,3-trichlorobenzene	0.508	0.514	-1.2	159	0.00	9.36
121		hexachloroethane	0.359	0.318	11.4	136	0.00	8.26
122		benzyl chloride	1.657	1.412	14.8	127	0.00	7.92
123		2-methylnaphthalene	0.377	0.371	1.6	158	0.00	9.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1A226736.D M1A9711.M Mon Oct 31 00:29:09 2022

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49386.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMS-U

Method : C:\MSDCHEM\1\METHODS\M1U2005.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 17:12:31 2022
Response via : Initial Calibration

Calibration Files
4 =1U49380.D 0.5 =1U49374.D 8 =1U49382.D 50 =1U49386.D
100 =1U49388.D 1 =1U49376.D 200 =1U49390.D 20 =1U49384.D
2 =1U49378.D 0.2 =1U49372.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.045	0.045	0.050	0.046	0.060	0.041	0.051	0.071			0.051	19.37
3) tertiary butyl alcohol	0.684	0.550	0.618	0.583	0.636	0.504	0.635	0.665			0.610	9.91
4) 1,4-dioxane	0.055	0.052	0.058	0.054		0.052	0.052				0.054	4.30
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.299	0.357	0.296	0.314	0.312	0.284	0.290	0.305	0.286		0.305	7.32
7) dichlorodifluoromethane	0.345	0.284	0.336	0.335	0.322	0.357	0.286	0.344	0.372		0.331	9.01
8) chloromethane	0.352	0.501	0.350	0.361	0.332	0.404	0.300	0.336	0.360		0.366	15.77
9) vinyl chloride	0.575	0.622	0.524	0.553	0.532	0.715	0.451	0.556	0.589		0.569	12.83
10) 1,3-butadiene	0.462	0.445	0.453	0.431	0.660	0.376	0.425	0.513			0.471	18.19
11) bromomethane	0.845	1.088	0.835	0.917	0.895	1.076	0.749	0.836	0.932		0.908	12.37
12) chloroethane	0.452	0.551	0.396	0.427	0.400	0.576	0.360	0.420	0.438		0.447	16.04
13) trichlorofluoromethane	1.488	1.366	1.429	1.786	1.955	1.642	1.788	1.543	1.543	1.402	1.594	12.19
14) ethyl ether	0.307	0.295	0.308	0.296	0.319	0.265	0.293	0.350			0.304	7.96
15) acrolein	0.053	0.057	0.062	0.056		0.050	0.058				0.056	7.34
16) freon 113	0.329	0.430	0.310	0.382	0.400	0.354	0.484	0.347	0.322		0.373	15.26
17) 1,1-dichloroethene	0.505	0.521	0.466	0.561	0.590	0.528	0.631	0.494	0.519	0.470	0.529	9.90
18) acetone	0.055	0.035	0.050	0.048	0.052	0.043	0.051	0.053			0.048	13.42
19) acetonitrile	0.043	0.041	0.036	0.032		0.026	0.036	0.046			0.037	18.53
20) iodomethane	0.183	0.220	0.341	0.332		0.285	0.276	0.184			0.260	25.22
----- Linear regression ----- Coefficient = 0.9914												
Response Ratio = -0.00688 + 0.30734 *A												
21) carbon disulfide	1.084	1.270	1.014	1.090	1.062	1.343	1.052	1.052	1.093		1.118	9.94

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49386.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

22) methylene chloride
0.306 0.257 0.275 0.286 0.270 0.316 0.242 0.276 0.319 0.283 9.29
23) methyl acetate
0.076 0.070 0.063 0.066 0.078 0.059 0.068 0.089 0.071 13.31
24) methyl tert butyl ether
0.694 0.801 0.729 0.787 0.778 0.832 0.736 0.731 0.760 0.751 0.760 5.33
25) trans-1,2-dichloroethene
0.414 0.515 0.365 0.403 0.398 0.582 0.384 0.385 0.496 0.438 17.06
26) hexane
0.718 0.827 0.641 0.724 0.720 0.805 0.665 0.685 0.651 0.715 9.05
27) di-isopropyl ether
0.837 1.026 0.790 0.874 0.862 0.942 0.815 0.847 0.875 0.990 0.886 8.64
28) ethyl tert-butyl ether
0.683 0.791 0.701 0.783 0.795 0.817 0.765 0.727 0.730 0.755 6.14
29) 2-butanone
0.055 0.062 0.054 0.057 0.051 0.073 0.046 0.055 0.060 0.057 13.47
30) 1,1-dichloroethane
0.500 0.608 0.497 0.551 0.558 0.616 0.523 0.518 0.508 0.542 8.27
31) chloroprene
0.345 0.376 0.429 0.432 0.456 0.424 0.401 0.403 0.408 8.62
32) acrylonitrile
0.094 0.097 0.099 0.098 0.096 0.084 0.095 0.102 0.096 5.75
33) vinyl acetate
0.047 0.067 0.061 0.059 0.052 0.055 0.057 0.057 11.58
34) ethyl acetate
0.037 0.035 0.031 0.032 0.028 0.030 0.038 0.033 10.70
35) 2,2-dichloropropane
0.401 0.535 0.419 0.418 0.401 0.483 0.373 0.390 0.403 0.425 12.09
36) cis-1,2-dichloroethene
0.325 0.363 0.306 0.327 0.301 0.344 0.288 0.318 0.326 0.393 0.329 9.40
37) propionitrile
0.054 0.056 0.058 0.056 0.068 0.047 0.056 0.056 0.056 10.48
38) methyl acrylate
0.073 0.070 0.074 0.064 0.060 0.067 0.049 0.065 13.65
39) bromochloromethane
0.137 0.175 0.144 0.158 0.145 0.156 0.129 0.168 0.188 0.156 12.14
40) tetrahydrofuran
0.056 0.052 0.050 0.047 0.046 0.041 0.053 0.059 0.051 11.44
41) chloroform
0.156 0.155 0.137 0.164 0.154 0.184 0.149 0.146 0.148 0.155 8.60
42) dibromofluoromethane (s)
0.473 0.479 0.462 0.455 0.428 0.469 0.423 0.463 0.464 0.481 0.460 4.30
43) methacrylonitrile
0.195 0.168 0.171 0.170 0.144 0.174 0.170 9.44
44) 1,1,1-trichloroethane
0.467 0.471 0.453 0.503 0.479 0.647 0.452 0.481 0.479 0.527 0.496 11.63
45) cyclohexane
0.453 0.475 0.449 0.491 0.483 0.661 0.474 0.484 0.548 0.502 13.15
46) 1,1-dichloropropene
0.388 0.441 0.391 0.428 0.415 0.492 0.393 0.406 0.369 0.419 0.414 8.35
47) carbon tetrachloride
0.482 0.459 0.487 0.480 0.584 0.456 0.451 0.478 0.485 8.74
48) isobutyl alcohol
0.030 0.033 0.038 0.038 0.032 0.036 0.041 0.036 11.29
49) tert-amyl alcohol
0.012 0.014 0.014 0.013 0.011 0.013 0.013 8.92

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.307 0.302 0.299 0.315 0.308 0.305 0.266 0.308 0.301 0.304 0.302 4.35

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49386.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

52) iso-octane
0.867 1.039 0.843 0.914 0.894 1.015 0.776 0.872 0.883 0.900 9.11
53) benzene
0.885 1.024 0.900 0.997 0.955 0.989 0.843 0.934 0.963 1.040 0.953 6.60
54) tert-amyl methyl ether
0.541 0.674 0.541 0.617 0.561 0.677 0.496 0.557 0.559 0.679 0.590 11.25
55) heptane
0.168 0.179 0.169 0.184 0.175 0.147 0.147 0.152 0.182 0.167 8.77
56) isopropyl acetate
0.051 0.053 0.053 0.051 0.060 0.045 0.052 0.059 0.053 9.21
57) 1,2-dichloroethane
0.218 0.206 0.230 0.230 0.303 0.203 0.226 0.242 0.232 13.48
58) n-butyl alcohol
0.006 0.007 0.008 0.007 0.006 0.007 0.007 0.007 8.19
59) ethyl acrylate
0.274 0.297 0.282 0.300 0.296 0.273 0.262 0.280 0.304 0.285 5.08
60) trichloroethene
0.288 0.355 0.267 0.293 0.289 0.260 0.288 0.277 0.288 0.322 0.293 9.35
61) 2-nitropropane
0.085 0.074 0.068 0.067 0.069 0.066 0.071 10.08
62) 2-chloroethyl vinyl ether
0.103 0.105 0.114 0.142 0.140 0.128 0.126 0.126 0.107 0.121 12.10
63) methyl methacrylate
0.068 0.059 0.059 0.055 0.074 0.051 0.059 0.047 0.059 14.82
64) 1,2-dichloropropane
0.207 0.237 0.198 0.215 0.215 0.264 0.192 0.198 0.229 0.217 10.50
65) methylcyclohexane
0.303 0.280 0.300 0.295 0.264 0.289 0.329 0.294 6.88
66) dibromomethane
0.138 0.173 0.144 0.150 0.140 0.206 0.134 0.139 0.159 0.154 14.95
67) bromodichloromethane
0.255 0.300 0.267 0.293 0.272 0.305 0.253 0.278 0.285 0.279 6.70
68) epichlorohydrin
0.030 0.027 0.028 0.027 0.023 0.027 0.031 0.028 9.55
69) cis-1,3-dichloropropene
0.313 0.328 0.304 0.331 0.317 0.365 0.284 0.309 0.337 0.287 0.318 7.62
70) 4-methyl-2-pentanone
0.097 0.111 0.100 0.112 0.110 0.121 0.095 0.101 0.097 0.093 0.104 8.97
71) 3-methyl-1-butanol *This Compound fails initial calibration criteria.*
0.006 0.005 0.008 0.008 0.007 0.007 0.005 0.006 18.73

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.252 1.219 1.208 1.214 1.170 1.235 1.119 1.205 1.233 1.249 1.210 3.30
74) toluene
0.549 0.660 0.526 0.626 0.634 0.578 0.630 0.555 0.560 0.694 0.601 9.16
75) ethyl methacrylate
0.273 0.295 0.252 0.311 0.314 0.336 0.310 0.280 0.272 0.294 8.98
76) trans-1,3-dichloropropene
0.264 0.322 0.270 0.341 0.368 0.301 0.370 0.305 0.325 0.332 0.320 11.22
77) 1,1,2-trichloroethane
0.178 0.189 0.171 0.188 0.185 0.211 0.183 0.174 0.166 0.206 0.185 7.77
78) tetrachloroethene
0.292 0.337 0.290 0.327 0.343 0.318 0.368 0.303 0.283 0.370 0.323 9.78
79) 2-hexanone
0.113 0.126 0.111 0.127 0.127 0.115 0.119 0.114 0.108 0.140 0.120 8.25
80) 1,3-dichloropropane
0.302 0.262 0.307 0.333 0.323 0.352 0.309 0.323 0.353 0.318 8.76
81) butyl acetate
0.154 0.141 0.159 0.155 0.167 0.147 0.153 0.171 0.156 6.23

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49386.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

82)	dibromochloromethane												
	0.242	0.308	0.233	0.279	0.259	0.271	0.251	0.254	0.267		0.263	8.37
83)	1,2-dibromoethane												
	0.223	0.228	0.211	0.231	0.221	0.267	0.206	0.217	0.233	0.259	0.230	8.47
84)	n-butyl ether												
	0.795	0.940	0.818	0.940	0.954	0.989	0.894	0.865	0.840		0.893	7.54
85)	chlorobenzene												
	0.646	0.801	0.622	0.714	0.728	0.706	0.735	0.661	0.690		0.701	7.65
86)	1,1,1,2-tetrachloroethane												
	0.214	0.195	0.209	0.254	0.247	0.272	0.233	0.226	0.216		0.230	10.62
87)	ethylbenzene												
	1.082	0.973	1.035	1.203	1.220	1.294	1.217	1.100	1.083	1.251	1.146	9.17
88)	m,p-xylene												
	0.376	0.416	0.378	0.471	0.484	0.400	0.499	0.419	0.388	0.473	0.430	10.94
89)	o-xylene												
	0.363	0.359	0.361	0.402	0.399	0.405	0.394	0.374	0.370	0.414	0.384	5.41
90)	styrene												
	0.584	0.636	0.589	0.668	0.696	0.663	0.711	0.639	0.528	0.641	0.636	8.70
91)	bromoform												
	0.176	0.174	0.173	0.209	0.212	0.196	0.211	0.189	0.169	0.186	0.189	8.93
92)	butyl acrylate												
	0.343	0.389	0.354	0.419	0.430	0.452	0.418	0.387	0.332		0.391	10.66
93)	isopropylbenzene												
	0.972	0.992	0.960	1.093	1.104	1.053	1.135	1.028	1.023	1.169	1.053	6.71
94)	cis-1,4-dichloro-2-butene												
	0.080		0.081	0.101	0.105	0.122	0.107	0.098	0.077		0.096	16.23
95)	I 1,4-dichlorobenzene-d ----------ISTD----------												
96)	4-bromofluorobenzene (s)												
	0.739	0.766	0.737	0.774	0.762	0.751	0.712	0.738	0.756	0.786	0.752	2.82
97)	bromobenzene												
	0.580	0.619	0.536	0.621	0.621	0.574	0.589	0.581	0.523	0.456	0.570	9.15
98)	1,1,2,2-tetrachloroethane												
	0.607	0.645	0.585	0.693	0.654	0.757	0.588	0.639	0.596	0.652	0.642	8.32
99)	trans-1,4-dichloro-2-butene												
	0.133		0.144	0.168	0.175	0.167	0.155	0.162	0.169		0.159	9.07
100)	1,2,3-trichloropropane												
	0.164		0.176	0.212	0.213	0.164	0.213	0.186	0.207		0.192	11.46
101)	n-propylbenzene												
	2.273	2.284	2.320	2.855	2.866	2.633	2.747	2.535	2.398	2.615	2.553	8.91
102)	2-chlorotoluene												
	0.519	0.631	0.490	0.567	0.574	0.543	0.538	0.508	0.504	0.620	0.549	8.79
103)	4-chlorotoluene												
	1.197	1.357	1.205	1.446	1.438	1.334	1.383	1.278	1.302	1.249	1.319	6.72
104)	1,3,5-trimethylbenzene												
	1.404	1.666	1.421	1.779	1.829	1.614	1.827	1.555	1.473	1.689	1.626	9.85
105)	tert-butylbenzene												
	1.422	1.543	1.411	1.644	1.606	1.664	1.566	1.502	1.419	1.667	1.544	6.61
106)	1,2,4-trimethylbenzene												
	1.361	1.484	1.364	1.686	1.737	1.699	1.749	1.514	1.387	1.507	1.549	10.09
107)	sec-butylbenzene												
	1.918	2.168	2.071	2.379	2.425	2.081	2.398	2.216	2.086	2.348	2.209	7.80
108)	1,3-dichlorobenzene												
	0.960	1.074	0.952	1.072	1.076	1.044	1.068	0.979	1.048	1.100	1.037	5.15
109)	p-isopropyltoluene												
	1.689	1.897	1.671	1.943	2.023	1.823	2.059	1.786	1.676	1.819	1.839	7.63
110)	1,4-dichlorobenzene												
	1.065	1.212	1.005	1.159	1.129	1.119	1.140	1.042	1.199	1.568	1.164	13.45
111)	1,2-dichlorobenzene												
	0.877	1.060	0.821	0.974	0.975	0.881	1.004	0.953	0.918	0.778	0.924	9.32

Initial Calibration Summary

Job Number: JD54013 **Sample:** V1U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49386.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
112)  1,2,3-trimethylbenzene
       1.391 1.464 1.446 1.683 1.756 1.704 1.739 1.496 1.452 1.843  1.597   10.21
113)  n-butylbenzene
       0.823 0.754 0.880 1.026 1.058 0.841 1.060 0.856 0.812        0.901   12.85
114)  1,2-dibromo-3-chloropropane
       0.148       0.146 0.170 0.167 0.147 0.153 0.153 0.172        0.157    6.92
115)  1,3,5-trichlorobenzene
       0.585 0.585 0.587 0.689 0.684 0.665 0.680 0.658 0.666 0.783  0.658    9.29
116)  1,2,4-trichlorobenzene
       0.478 0.430 0.456 0.576 0.568 0.534 0.558 0.513 0.549 0.547  0.521    9.63
117)  hexachlorobutadiene
       0.218 0.236 0.214 0.256 0.247 0.275 0.236 0.236 0.211        0.237    8.77
118)  naphthalene
       1.253 1.579 1.278 1.693 1.744 1.661 1.758 1.451 1.367        1.531   13.01
119)  1,2,3-trichlorobenzene
       0.430       0.421 0.555 0.545 0.561 0.526 0.484 0.510        0.504   10.86
120)  hexachloroethane
       0.231 0.285 0.280 0.367 0.375 0.288 0.411 0.299 0.256        0.310   19.39
121)  benzyl chloride
       0.177       0.186 0.244 0.245 0.186 0.250 0.214 0.187        0.211   14.68
122)  2-methylnaphthalene
       0.508 0.606 0.455 0.638 0.644 0.690 0.638 0.560 0.539        0.587   12.93
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M1U2005.M         Tue Oct 25 17:16:29 2022
```

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49396.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VU2005\1U49396.D Vial: 14
Acq On : 25 Oct 2022 12:19 am Operator: PrashanS
Sample : ICV2005-50 Inst : GCMS-U
Misc : MS63058,V1U2005,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1U2005.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 17:12:31 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	110	0.00	2.06
2		ethanol	0.051	0.050	2.0	109	0.00	1.66
3	M	tertiary butyl alcohol	0.610	0.706	-15.7	126	0.00	2.09
4		1,4-dioxane	0.054	0.057	-5.6	109	0.00	3.71
5	I	pentafluorobenzene	1.000	1.000	0.0	110	0.00	3.00
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.331	0.330	0.3	109	0.00	1.07
8		chloromethane	0.366	0.347	5.2	106	0.00	1.17
9		vinyl chloride	0.569	0.589	-3.5	118	0.00	1.21
10		1,3-butadiene	0.471	0.466	1.1	113	0.00	1.21
11		bromomethane	0.908	0.922	-1.5	111	0.00	1.36
12		chloroethane	0.447	0.448	-0.2	116	0.00	1.42
13		trichlorofluoromethane	1.594	1.834	-15.1	113	0.00	1.48
14		ethyl ether	0.304	0.278	8.6	99	0.00	1.61
15		acrolein	0.056	0.067	-19.6	120	0.01	1.86
16		freon 113	0.373	0.312	16.4	90	0.00	1.72
17		1,1-dichloroethene	0.529	0.486	8.1	96	0.00	1.71
18		acetone	0.048	0.031	35.4#	69	0.00	1.98
19		acetonitrile	0.037	0.035	5.4	109	0.00	2.19
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	43.885	12.2	85	0.01	1.79
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.118	0.914	18.2	92	0.00	1.74
22		methylene chloride	0.283	0.263	7.1	101	0.00	1.97
23		methyl acetate	0.071	0.073	-2.8	127	0.00	2.02
24		methyl tert butyl ether	0.760	0.766	-0.8	107	0.00	2.07
25		trans-1,2-dichloroethene	0.438	0.375	14.4	103	0.00	2.03
26		hexane	0.715	0.708	1.0	108	0.00	2.07
27		di-isopropyl ether	0.886	0.848	4.3	107	0.00	2.23
28		ethyl tert-butyl ether	0.755	0.751	0.5	106	0.00	2.40
29		2-butanone	0.057	0.050	12.3	98	0.00	2.83
30	M	1,1-dichloroethane	0.542	0.507	6.5	102	0.00	2.31
31		chloroprene	0.408	0.409	-0.2	105	0.00	2.30
32		acrylonitrile	0.096	0.099	-3.1	110	0.00	2.33
33		vinyl acetate	0.057	0.053	7.0	95	0.00	2.41
34		ethyl acetate	0.033	0.035	-6.1	126	0.00	2.73
35		2,2-dichloropropane	0.425	0.372	12.5	98	0.00	2.62
36		cis-1,2-dichloroethene	0.329	0.307	6.7	104	0.00	2.56
37		propionitrile	0.056	0.053	5.4	101	0.00	2.98

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49396.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate	0.065	0.068	-4.6	101	0.00	2.74
39		bromochloromethane	0.156	0.147	5.8	102	0.00	2.66
40		tetrahydrofuran	0.051	0.048	5.9	106	0.00	2.77
41		chloroform	0.155	0.159	-2.6	107	0.00	2.68
42	S	dibromofluoromethane (s)	0.460	0.447	2.8	108	0.00	2.78
43		methacrylonitrile	0.170	0.175	-2.9	113	0.00	2.99
44		1,1,1-trichloroethane	0.496	0.472	4.8	103	0.00	2.81
45		cyclohexane	0.502	0.530	-5.6	119	0.00	2.68
46		1,1-dichloropropene	0.414	0.406	1.9	105	0.00	2.86
47		carbon tetrachloride	0.485	0.456	6.0	103	0.00	2.77
48		isobutyl alcohol	0.036	0.039	-8.3	112	0.00	3.03
49		tert-amyl alcohol	0.013	0.014	-7.7	107	0.00	3.10
50	I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.302	0.317	-5.0	110	0.00	3.05
52		iso-octane	0.900	0.766	14.9	91	0.00	2.91
53	M	benzene	0.953	0.960	-0.7	105	0.00	2.99
54		tert-amyl methyl ether	0.590	0.551	6.6	97	0.00	3.03
55		heptane	0.167	0.160	4.2	95	0.00	2.95
56		isopropyl acetate	0.053	0.055	-3.8	113	0.00	3.18
57		1,2-dichloroethane	0.232	0.228	1.7	108	0.00	3.09
58		n-butyl alcohol	0.007	0.009	-28.6	124	0.00	3.42
59		ethyl acrylate	0.285	0.304	-6.7	110	0.00	3.55
60		trichloroethene	0.293	0.287	2.0	107	0.00	3.29
61		2-nitropropane	0.071	0.090	-26.8	145	0.00	4.25
62		2-chloroethyl vinyl ether	0.121	0.128	-5.8	98	0.00	3.92
63		methyl methacrylate	0.059	0.065	-10.2	120	0.00	3.67
64		1,2-dichloropropane	0.217	0.221	-1.8	112	0.00	3.58
65		methylcyclohexane	0.294	0.287	2.4	104	0.00	3.29
66		dibromomethane	0.154	0.150	2.6	109	0.00	3.52
67		bromodichloromethane	0.279	0.291	-4.3	108	0.00	3.60
68		epichlorohydrin	0.028	0.029	-3.6	113	0.00	4.11
69		cis-1,3-dichloropropene	0.318	0.333	-4.7	109	0.00	3.96
70		4-methyl-2-pentanone	0.104	0.119	-14.4	116	0.00	4.34
71		3-methyl-1-butanol	0.006	0.008	-33.3#	115	0.00	4.19
72	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	5.09
73	S	toluene-d8 (s)	1.210	1.208	0.2	108	0.00	4.08
74		toluene	0.601	0.627	-4.3	109	0.00	4.12
75		ethyl methacrylate	0.294	0.310	-5.4	108	0.00	4.45
76		trans-1,3-dichloropropene	0.320	0.360	-12.5	115	0.00	4.36
77		1,1,2-trichloroethane	0.185	0.195	-5.4	112	0.00	4.47
78		tetrachloroethene	0.323	0.334	-3.4	111	0.00	4.36
79		2-hexanone	0.120	0.133	-10.8	114	0.00	4.88
80		1,3-dichloropropane	0.318	0.350	-10.1	114	0.00	4.65
81		butyl acetate	0.156	0.171	-9.6	117	0.00	4.81
82		dibromochloromethane	0.263	0.281	-6.8	110	0.00	4.59
83		1,2-dibromoethane	0.230	0.237	-3.0	111	0.00	4.75
84		n-butyl ether	0.893	0.969	-8.5	112	0.00	5.03
85		chlorobenzene	0.701	0.743	-6.0	113	0.00	5.10
86		1,1,1,2-tetrachloroethane	0.230	0.255	-10.9	109	0.00	5.15
87		ethylbenzene	1.146	1.238	-8.0	112	0.00	5.12
88		m,p-xylene	0.430	0.480	-11.6	111	0.00	5.22
89		o-xylene	0.384	0.414	-7.8	112	0.00	5.53
90		styrene	0.636	0.691	-8.6	112	0.00	5.56
91		bromoform	0.189	0.218	-15.3	113	0.00	5.58
92		butyl acrylate	0.391	0.437	-11.8	113	0.00	5.65
93		isopropylbenzene	1.053	1.123	-6.6	112	0.00	5.76
94		cis-1,4-dichloro-2-butene	0.096	0.101	-5.2	109	0.00	6.01

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49396.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.752	0.762	-1.3	109	0.00	5.97
97		bromobenzene	0.570	0.629	-10.4	112	0.00	6.05
98		1,1,2,2-tetrachloroethane	0.642	0.732	-14.0	117	0.00	6.11
99		trans-1,4-dichloro-2-bute	0.159	0.176	-10.7	115	0.00	6.25
100		1,2,3-trichloropropane	0.192	0.226	-17.7	118	0.00	6.22
101		n-propylbenzene	2.553	2.937	-15.0	113	0.00	6.07
102		2-chlorotoluene	0.549	0.579	-5.5	113	0.00	6.19
103		4-chlorotoluene	1.319	1.464	-11.0	112	0.00	6.31
104		1,3,5-trimethylbenzene	1.626	1.839	-13.1	114	0.00	6.22
105		tert-butylbenzene	1.544	2.000	-29.5	134	0.00	6.47
106		1,2,4-trimethylbenzene	1.549	1.710	-10.4	112	0.00	6.52
107		sec-butylbenzene	2.209	2.427	-9.9	113	0.00	6.61
108		1,3-dichlorobenzene	1.037	1.087	-4.8	112	0.00	6.77
109		p-isopropyltoluene	1.839	1.999	-8.7	113	0.00	6.72
110		1,4-dichlorobenzene	1.164	1.135	2.5	108	0.00	6.84
111		1,2-dichlorobenzene	0.924	0.991	-7.3	112	0.00	7.15
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene	0.901	1.009	-12.0	108	0.00	7.04
114		1,2-dibromo-3-chloropropa	0.157	0.172	-9.6	112	0.00	7.72
115		1,3,5-trichlorobenzene	0.658	0.698	-6.1	112	0.00	7.75
116		1,2,4-trichlorobenzene	0.521	0.588	-12.9	113	0.00	8.19
117		hexachlorobutadiene	0.237	0.257	-8.4	111	0.00	8.18
118		naphthalene	1.531	1.721	-12.4	112	0.00	8.40
119		1,2,3-trichlorobenzene	0.504	0.552	-9.5	110	0.00	8.53
120		hexachloroethane	0.310	0.381	-22.9	115	0.00	7.14
121		benzyl chloride	0.211	0.218	-3.3	98	0.00	7.03
122		2-methylnaphthalene	0.587	0.635	-8.2	110	0.00	9.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1U49386.D M1U2005.M Tue Oct 25 17:16:05 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49398.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VU2005\1U49398.D Vial: 15
Acq On : 25 Oct 2022 12:48 am Operator: PrashanS
Sample : ICV2005-50 Inst : GCMS-U
Misc : MS63058,V1U2005,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1U2005.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 17:12:31 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	113	0.00	2.06
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	3.00
6		chlorodifluoromethane	0.305	0.316	-3.6	107	0.00	1.09
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.037	0.042	-13.5	124	0.00	2.19
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.096	0.089	7.3	96	0.00	2.33
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49398.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.460	0.477	-3.7	112	0.00	2.78
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.302	0.308	-2.0	107	0.00	3.05
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	5.09
73	S	toluene-d8 (s)	1.210	1.260	-4.1	114	0.00	4.08
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.323	0.301	6.8	101	0.00	4.36
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49398.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.752	0.764	-1.6	118	0.00	5.97
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene	1.597	1.743	-9.1	124	0.00	6.86
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1U49386.D M1U2005.M Tue Oct 25 17:19:55 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49406.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VU2005\1U49406.D Vial: 21
Acq On : 25 Oct 2022 2:02 pm Operator: PrashanS
Sample : icv2005-50 Inst : GCMS-U
Misc : MS63058,V1U2005,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1U2005.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 17:12:31 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	2.06
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	3.00
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone	0.048	0.055	-14.6	118	0.00	1.97
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49406.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate		----------NA----------					
39		bromochloromethane		----------NA----------					
40		tetrahydrofuran		----------NA----------					
41		chloroform		----------NA----------					
42	S	dibromofluoromethane (s)	0.460	0.458	0.4	107	0.00	2.78	
43		methacrylonitrile		----------NA----------					
44		1,1,1-trichloroethane		----------NA----------					
45		cyclohexane		----------NA----------					
46		1,1-dichloropropene		----------NA----------					
47		carbon tetrachloride		----------NA----------					
48		isobutyl alcohol		----------NA----------					
49		tert-amyl alcohol		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	3.29	
51	S	1,2-dichloroethane-d4 (s)	0.302	0.318	-5.3	106	0.00	3.05	
52		iso-octane		----------NA----------					
53	M	benzene		----------NA----------					
54		tert-amyl methyl ether		----------NA----------					
55		heptane		----------NA----------					
56		isopropyl acetate		----------NA----------					
57		1,2-dichloroethane		----------NA----------					
58		n-butyl alcohol		----------NA----------					
59		ethyl acrylate		----------NA----------					
60		trichloroethene		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	5.09	
73	S	toluene-d8 (s)	1.210	1.199	0.9	103	0.00	4.08	
74		toluene		----------NA----------					
75		ethyl methacrylate		----------NA----------					
76		trans-1,3-dichloropropene		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		tetrachloroethene		----------NA----------					
79		2-hexanone		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		bromoform		----------NA----------					
92		butyl acrylate		----------NA----------					
93		isopropylbenzene		----------NA----------					
94		cis-1,4-dichloro-2-butene		----------NA----------					

Initial Calibration Verification

Job Number: JD54013 **Sample:** V1U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49406.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.752	0.752	0.0	104	0.00	5.97
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1U49386.D M1U2005.M Tue Oct 25 17:25:52 2022

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V1U2006-CC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49412.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ne...-22\v1u2006\1u49412.d Vial: 5
Acq On : 25 Oct 2022 4:12 pm Operator: edwardd
Sample : cc2005-20 Inst : GCMS-U
Misc : MS46075,V1U2006,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1U2005.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 17:12:31 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	112	0.00	2.06
2	ethanol	0.051	0.049	3.9	107	0.00	1.66
3 M	tertiary butyl alcohol	0.610	0.599	1.8	106	0.00	2.09
4	1,4-dioxane	0.054	0.052	3.7	112	0.00	3.71
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	3.00
6	chlorodifluoromethane	0.305	0.271	11.1	93	0.01	1.10
7	dichlorodifluoromethane	0.331	0.279	15.7	85	0.00	1.07
8	chloromethane	0.366	0.325	11.2	101	0.00	1.17
9	vinyl chloride	0.569	0.522	8.3	98	0.00	1.21
10	1,3-butadiene	0.471	0.415	11.9	102	0.00	1.21
11	bromomethane	0.908	0.803	11.6	100	0.00	1.36
12	chloroethane	0.447	0.413	7.6	103	0.00	1.42
13	trichlorofluoromethane	1.594	1.515	5.0	103	0.00	1.48
14	ethyl ether	0.304	0.298	2.0	106	0.00	1.61
15	acrolein	0.056	0.057	-1.8	102	0.00	1.85
16	freon 113	0.373	0.311	16.6	94	0.00	1.72
17	1,1-dichloroethene	0.529	0.446	15.7	94	0.00	1.71
18	acetone	0.048	0.069	-43.8#	142	0.00	1.97
19	acetonitrile	0.037	0.038	-2.7	110	0.00	2.19
		True	Calc.	% Drift			
20	iodomethane	20.000	19.105	4.5	104	0.00	1.78
		AvgRF	CCRF	% Dev			
21	carbon disulfide	1.118	0.964	13.8	96	0.00	1.74
22	methylene chloride	0.283	0.253	10.6	96	0.00	1.96
23	methyl acetate	0.071	0.066	7.0	102	0.00	2.02
24	methyl tert butyl ether	0.760	0.711	6.4	102	0.00	2.08
25	trans-1,2-dichloroethene	0.438	0.351	19.9	95	0.00	2.03
26	hexane	0.715	0.645	9.8	98	0.00	2.07
27	di-isopropyl ether	0.886	0.783	11.6	97	0.00	2.23
28	ethyl tert-butyl ether	0.755	0.680	9.9	98	0.00	2.41
29	2-butanone	0.057	0.062	-8.8	118	0.00	2.83
30 M	1,1-dichloroethane	0.542	0.460	15.1	93	0.00	2.31
31	chloroprene	0.408	0.358	12.3	93	0.00	2.30
32	acrylonitrile	0.096	0.070	27.1#	77	0.00	2.33
33	vinyl acetate	0.057	0.063	-10.5	120	0.00	2.41
34	ethyl acetate	0.033	0.030	9.1	102	0.00	2.73
35	2,2-dichloropropane	0.425	0.393	7.5	105	0.00	2.62
36	cis-1,2-dichloroethene	0.329	0.300	8.8	99	0.00	2.56
37	propionitrile	0.056	0.055	1.8	102	0.00	2.98

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V1U2006-CC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49412.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate	0.065	0.061	6.2	94	0.00	2.74
39		bromochloromethane	0.156	0.142	9.0	88	0.00	2.66
40		tetrahydrofuran	0.051	0.051	0.0	99	0.00	2.77
41		chloroform	0.155	0.196	-26.5#	140	0.00	2.68
42	S	dibromofluoromethane (s)	0.460	0.472	-2.6	106	0.00	2.78
43		methacrylonitrile	0.170	0.157	7.6	94	0.00	3.00
44		1,1,1-trichloroethane	0.496	0.446	10.1	97	0.00	2.81
45		cyclohexane	0.502	0.430	14.3	93	0.00	2.68
46		1,1-dichloropropene	0.414	0.363	12.3	93	0.00	2.86
47		carbon tetrachloride	0.485	0.440	9.3	102	0.00	2.77
48		isobutyl alcohol	0.036	0.034	5.6	99	0.00	3.03
49		tert-amyl alcohol	0.013	0.013	0.0	102	0.00	3.10
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.302	0.307	-1.7	104	0.00	3.05
52		iso-octane	0.900	0.803	10.8	96	0.00	2.91
53	M	benzene	0.953	0.846	11.2	94	0.00	2.99
54		tert-amyl methyl ether	0.590	0.544	7.8	102	0.00	3.03
55		heptane	0.167	0.148	11.4	101	0.00	2.95
56		isopropyl acetate	0.053	0.054	-1.9	108	0.00	3.18
57		1,2-dichloroethane	0.232	0.211	9.1	97	0.00	3.09
58		n-butyl alcohol	0.007	0.008	-14.3	116	0.00	3.42
59		ethyl acrylate	0.285	0.272	4.6	101	0.00	3.56
60		trichloroethene	0.293	0.242	17.4	91	0.00	3.29
61		2-nitropropane	0.071	0.069	2.8	109	0.00	4.25
62		2-chloroethyl vinyl ether	0.121	0.123	-1.7	102	0.00	3.92
63		methyl methacrylate	0.059	0.055	6.8	96	0.00	3.67
64		1,2-dichloropropane	0.217	0.187	13.8	98	0.00	3.58
65		methylcyclohexane	0.294	0.250	15.0	90	0.00	3.29
66		dibromomethane	0.154	0.136	11.7	102	0.00	3.52
67		bromodichloromethane	0.279	0.254	9.0	95	0.00	3.60
68		epichlorohydrin	0.028	0.026	7.1	100	0.00	4.11
69		cis-1,3-dichloropropene	0.318	0.283	11.0	95	0.00	3.97
70		4-methyl-2-pentanone	0.104	0.098	5.8	100	0.00	4.34
71		3-methyl-1-butanol	0.006	0.007	-16.7	105	0.00	4.19
72	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	5.09
73	S	toluene-d8 (s)	1.210	1.216	-0.5	107	0.00	4.08
74		toluene	0.601	0.518	13.8	99	0.00	4.12
75		ethyl methacrylate	0.294	0.264	10.2	99	0.00	4.45
76		trans-1,3-dichloropropene	0.320	0.287	10.3	99	0.00	4.36
77		1,1,2-trichloroethane	0.185	0.168	9.2	102	0.00	4.47
78		tetrachloroethene	0.323	0.267	17.3	93	0.00	4.36
79		2-hexanone	0.120	0.125	-4.2	115	0.00	4.88
80		1,3-dichloropropane	0.318	0.295	7.2	97	0.00	4.65
81		butyl acetate	0.156	0.145	7.1	100	0.00	4.81
82		dibromochloromethane	0.263	0.228	13.3	95	0.00	4.59
83		1,2-dibromoethane	0.230	0.205	10.9	100	0.00	4.75
84		n-butyl ether	0.893	0.781	12.5	95	0.00	5.03
85		chlorobenzene	0.701	0.600	14.4	96	0.00	5.10
86		1,1,1,2-tetrachloroethane	0.230	0.204	11.3	95	0.00	5.14
87		ethylbenzene	1.146	0.964	15.9	93	0.00	5.12
88		m,p-xylene	0.430	0.369	14.2	93	0.00	5.22
89		o-xylene	0.384	0.336	12.5	95	0.00	5.53
90		styrene	0.636	0.552	13.2	91	0.00	5.56
91		bromoform	0.189	0.177	6.3	99	0.00	5.58
92		butyl acrylate	0.391	0.377	3.6	103	0.00	5.65
93		isopropylbenzene	1.053	0.891	15.4	92	0.00	5.76
94		cis-1,4-dichloro-2-butene	0.096	0.091	5.2	98	0.00	6.01

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V1U2006-CC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1U49412.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.752	0.724	3.7	104	0.00	5.97
97		bromobenzene	0.570	0.508	10.9	92	0.00	6.05
98		1,1,2,2-tetrachloroethane	0.642	0.579	9.8	96	0.00	6.11
99		trans-1,4-dichloro-2-bute	0.159	0.138	13.2	90	0.00	6.26
100		1,2,3-trichloropropane	0.192	0.163	15.1	93	0.00	6.22
101		n-propylbenzene	2.553	2.189	14.3	91	0.00	6.07
102		2-chlorotoluene	0.549	0.455	17.1	94	0.00	6.19
103		4-chlorotoluene	1.319	1.141	13.5	94	0.00	6.32
104		1,3,5-trimethylbenzene	1.626	1.408	13.4	96	0.00	6.22
105		tert-butylbenzene	1.544	1.308	15.3	92	0.00	6.47
106		1,2,4-trimethylbenzene	1.549	1.317	15.0	92	0.00	6.52
107		sec-butylbenzene	2.209	1.886	14.6	90	0.00	6.61
108		1,3-dichlorobenzene	1.037	0.897	13.5	97	0.00	6.77
109		p-isopropyltoluene	1.839	1.568	14.7	93	0.00	6.72
110		1,4-dichlorobenzene	1.164	0.952	18.2	96	0.00	6.84
111		1,2-dichlorobenzene	0.924	0.811	12.2	90	0.00	7.15
112		1,2,3-trimethylbenzene	1.597	1.313	17.8	93	0.00	6.86
113		n-butylbenzene	0.901	0.797	11.5	98	0.00	7.04
114		1,2-dibromo-3-chloropropa	0.157	0.146	7.0	101	0.00	7.73
115		1,3,5-trichlorobenzene	0.658	0.572	13.1	92	0.00	7.75
116		1,2,4-trichlorobenzene	0.521	0.453	13.1	93	0.00	8.20
117		hexachlorobutadiene	0.237	0.212	10.5	95	0.00	8.18
118		naphthalene	1.531	1.335	12.8	97	0.00	8.41
119		1,2,3-trichlorobenzene	0.504	0.435	13.7	95	0.00	8.53
120		hexachloroethane	0.310	0.279	10.0	99	0.00	7.14
121		benzyl chloride	0.211	0.214	-1.4	106	0.00	7.03
122		2-methylnaphthalene	0.587	0.561	4.4	106	0.00	9.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1U49384.D M1U2005.M Fri Oct 28 20:13:11 2022

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2A9596-ICC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMS2A

Method : C:\MSDCHEM\1\METHODS\M2A9596.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Oct 14 09:22:42 2022
Last Update : Fri Oct 14 09:22:42 2022
Response via : Initial Calibration

Calibration Files
4 =2A220740.D 8 =2A220741.D 0.5 =2A220737.D 50 =2A220743.D
100 =2A220744.D 1 =2A220738.D 200 =2A220745.D 20 =2A220742.D
2 =2A220739.D 0.2 =2A220736.D = =

Compound	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.102	0.095	0.087	0.098	0.111	0.096	0.120	0.094	0.104		0.101	9.93
3) tertiary butyl alcohol	1.324	1.221		1.248	1.328	1.207	1.293	1.191	1.429		1.280	6.22
4) 1,4-dioxane	0.071	0.075		0.078	0.084		0.083	0.074	0.058		0.075	11.70
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.723	0.723	0.689	0.680	0.691	0.715	0.632	0.690	0.764	0.637	0.694	5.75
7) dichlorodifluoromethane	0.527	0.553	0.474	0.527	0.551	0.514	0.512	0.520	0.567		0.527	5.26
8) chloromethane	0.777	0.789	0.914	0.744	0.763	0.826	0.697	0.714	0.846		0.786	8.67
9) vinyl chloride	0.626	0.619	0.585	0.601	0.631	0.602	0.583	0.589	0.642	0.530	0.601	5.34
10) 1,3-butadiene *This compound fails Initial Calibration criteria*	0.498	0.473		0.437	0.443		0.401	0.453	0.495		0.457	7.50
11) bromomethane	0.379	0.363	0.401	0.349	0.371	0.368	0.345	0.347	0.384		0.368	5.07
12) chloroethane	0.335	0.337	0.296	0.322	0.346	0.327	0.323	0.318	0.361	0.253	0.322	9.26
13) trichlorofluoromethane	0.656	0.665	0.569	0.663	0.697	0.590	0.655	0.644	0.685		0.647	6.48
14) ethyl ether	0.238	0.222	0.214	0.223	0.232	0.215	0.218	0.217	0.245		0.225	4.97
15) acrolein	0.100	0.086		0.092	0.097		0.092	0.089	0.121		0.097	12.22
16) freon 113	0.355	0.358	0.333	0.349	0.360	0.351	0.339	0.344	0.381		0.352	3.94
17) 1,1-dichloroethene	0.386	0.364	0.375	0.347	0.362	0.395	0.335	0.348	0.397		0.368	6.02
18) acetone	0.288	0.266		0.251	0.252	0.306	0.217	0.250	0.325		0.269	13.04
19) acetonitrile	0.073	0.067		0.064	0.066	0.074	0.062	0.063	0.070		0.067	6.68
20) iodomethane	0.737	0.706	0.660	0.702	0.733	0.722	0.677	0.699	0.768	0.607	0.701	6.43
21) carbon disulfide	1.323	1.272	1.323	1.197	1.242	1.382	1.111	1.218	1.352		1.269	6.77
22) methylene chloride	0.426	0.394	0.417	0.395	0.414	0.411	0.384	0.395	0.451		0.410	5.02
23) methyl acetate												

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2A9596-ICC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
      0.474 0.441       0.415 0.424 0.474 0.401 0.404 0.516        0.444    9.18
24)  methyl tert butyl ether
      1.192 1.132 1.084 1.105 1.145 1.163 1.043 1.110 1.276 1.331  1.158    7.60
25)  trans-1,2-dichloroethene
      0.410 0.396 0.423 0.389 0.402 0.447 0.377 0.393 0.469 0.438  0.414    7.02
26)  hexane
      0.811 0.831 0.832 0.797 0.833 0.901 0.736 0.784 0.888        0.824    6.12
27)  di-isopropyl ether
      1.854 1.786 1.821 1.684 1.696 1.861 1.495 1.735 1.981 1.970  1.788    8.11
28)  ethyl tert-butyl ether
      1.601 1.550 1.564 1.491 1.504 1.539 1.340 1.514 1.699 1.658  1.546    6.39
29)  2-butanone
      0.060 0.058       0.058 0.059 0.055 0.055 0.056 0.060        0.057    3.60
30)  1,1-dichloroethane
      0.839 0.816 0.789 0.781 0.812 0.845 0.735 0.788 0.864 0.731  0.800    5.53
31)  chloroprene
      0.775 0.770 0.765 0.753 0.771 0.765 0.704 0.748 0.795 0.761  0.761    3.11
32)  acrylonitrile
      0.206 0.193       0.197 0.206 0.157 0.197 0.190 0.181        0.191    8.34
33)  vinyl acetate   *This compound fails Initial Calibration criteria*
      0.070 0.064       0.062 0.062 0.046 0.060 0.062 0.058        0.061   11.30
34)  ethyl acetate
      0.093 0.088       0.083 0.086 0.084 0.081 0.082 0.093        0.086    5.40
35)  2,2-dichloropropane
      0.619 0.592 0.603 0.564 0.583 0.647 0.531 0.574 0.658 0.653  0.602    6.96
36)  cis-1,2-dichloroethene
      0.461 0.427 0.444 0.428 0.443 0.477 0.413 0.426 0.471 0.471  0.446    5.07
37)  propionitrile
      0.077 0.074 0.064 0.072 0.072 0.067 0.066 0.071 0.082        0.072    7.98
38)  bromochloromethane
      0.297 0.290 0.285 0.286 0.297 0.279 0.278 0.281 0.312 0.243  0.285    6.30
39)  tetrahydrofuran
      0.187 0.174 0.144 0.163 0.166 0.174 0.156 0.159 0.195        0.169    9.33
40)  chloroform
      0.760 0.746 0.870 0.713 0.729 0.829 0.665 0.705 0.826        0.760    8.88
41)  tert-butyl formate  *This compound fails Initial Calibration criteria*
      0.311 0.294 0.295 0.292 0.302 0.304 0.289 0.289 0.343        0.302    5.64
42)  isobutyl alcohol
      0.026 0.026       0.028 0.030       0.027 0.026 0.025        0.027    5.92
43)  dibromofluoromethane (s)
      0.440 0.444 0.441 0.441 0.441 0.444 0.438 0.441 0.442 0.437  0.441    0.47
44)  methacrylonitrile
      0.180 0.174 0.153 0.178 0.186 0.172 0.176 0.175 0.194        0.176    6.37
45)  1,1,1-trichloroethane
      0.654 0.645 0.665 0.637 0.664 0.674 0.608 0.632 0.697 0.620  0.650    4.13
46)  cyclohexane
      0.619 0.626 0.606 0.606 0.642 0.612 0.598 0.595 0.668 0.646  0.622    3.80
47)  1,1-dichloropropene
      0.558 0.559 0.515 0.548 0.564 0.557 0.521 0.549 0.601 0.558  0.553    4.26
48)  tert-amyl alcohol
      0.028 0.028 0.028 0.027 0.028 0.031 0.027 0.026 0.029 0.032  0.028    6.35
49)  carbon tetrachloride
      0.578 0.557 0.513 0.570 0.598 0.559 0.553 0.561 0.613 0.538  0.564    5.01

50) I   1,4-difluorobenzene   ----------------ISTD---------------------
51)  1,2-dichloroethane-d4 (s)
      0.398 0.394 0.398 0.386 0.385 0.399 0.386 0.392 0.399 0.397  0.393    1.44
52)  2,2,4-trimethylpentane
      1.410 1.431 1.358 1.349 1.451 1.420 1.200 1.369 1.512 1.443  1.394    6.01
53)  tert-amyl methyl ether
```

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2A9596-ICC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

0.959 0.918 0.874 0.875 0.893 0.932 0.801 0.891 1.013 1.056 0.921 8.00

54) n-butyl alcohol
0.011 0.011 0.012 0.012 0.011 0.012 0.012 0.013 0.012 4.46

55) benzene
1.187 1.163 1.109 1.108 1.127 1.161 1.004 1.118 1.218 1.170 1.136 5.18

56) heptane
0.273 0.263 0.258 0.258 0.284 0.258 0.243 0.247 0.290 0.313 0.269 7.99

57) isopropyl acetate
0.071 0.069 0.066 0.069 0.051 0.068 0.065 0.068 0.066 9.55

58) 1,2-dichloroethane
0.499 0.461 0.547 0.451 0.461 0.526 0.425 0.448 0.529 0.483 8.91

59) trichloroethene
0.332 0.324 0.303 0.318 0.326 0.309 0.304 0.315 0.337 0.298 0.317 4.12

60) ethyl acrylate
0.523 0.497 0.502 0.502 0.521 0.463 0.495 0.560 0.508 5.52

61) 2-nitropropane
0.086 0.081 0.087 0.093 0.083 0.090 0.082 0.081 0.085 5.36

62) 2-chloroethyl vinyl ether *This compound fails Initial Calibration criteria*
0.020 0.031 0.091 0.124 0.127 0.058 0.014 0.066 72.03

63) methyl methacrylate
0.086 0.083 0.082 0.086 0.069 0.083 0.084 0.080 0.082 6.54

64) 1,2-dichloropropane
0.354 0.336 0.312 0.331 0.341 0.333 0.316 0.331 0.370 0.325 0.335 5.08

65) methylcyclohexane
0.514 0.531 0.509 0.509 0.553 0.528 0.490 0.510 0.554 0.556 0.526 4.35

66) dibromomethane
0.195 0.183 0.184 0.185 0.193 0.184 0.182 0.177 0.203 0.138 0.182 9.52

67) bromodichloromethane
0.428 0.402 0.378 0.407 0.422 0.412 0.388 0.405 0.449 0.440 0.413 5.35

68) epichlorohydrin
0.039 0.038 0.032 0.038 0.039 0.039 0.037 0.036 0.041 0.038 6.65

69) cis-1,3-dichloropropene
0.514 0.492 0.472 0.491 0.503 0.483 0.463 0.482 0.525 0.484 0.491 3.82

70) 4-methyl-2-pentanone
0.155 0.149 0.137 0.146 0.146 0.134 0.133 0.143 0.163 0.123 0.143 8.07

71) 3-methyl-1-butanol
0.009 0.009 0.009 0.009 0.007 0.009 0.009 0.009 0.009 8.31

72) I chlorobenzene-d5 ----------ISTD----------

73) toluene-d8 (s)
1.259 1.264 1.270 1.274 1.286 1.261 1.304 1.269 1.272 1.260 1.272 1.08

74) toluene
0.815 0.797 0.762 0.783 0.799 0.809 0.735 0.772 0.831 0.797 0.790 3.54

75) trans-1,3-dichloropropene
0.499 0.493 0.471 0.509 0.523 0.503 0.485 0.495 0.527 0.458 0.496 4.30

76) ethyl methacrylate
0.458 0.443 0.369 0.453 0.464 0.401 0.432 0.447 0.486 0.370 0.432 9.17

77) 1,1,2-trichloroethane
0.264 0.258 0.244 0.260 0.264 0.261 0.248 0.250 0.285 0.209 0.254 7.67

78) 2-hexanone
0.185 0.183 0.156 0.181 0.180 0.173 0.162 0.180 0.197 0.178 7.01

79) tetrachloroethene
0.419 0.410 0.390 0.391 0.404 0.428 0.374 0.395 0.462 0.474 0.415 7.78

80) 1,3-dichloropropane
0.499 0.487 0.413 0.484 0.498 0.477 0.463 0.477 0.537 0.474 0.481 6.52

81) butyl acetate
0.286 0.287 0.287 0.290 0.300 0.292 0.285 0.278 0.301 0.247 0.285 5.33

82) dibromochloromethane
0.362 0.352 0.336 0.376 0.396 0.328 0.374 0.359 0.377 0.417 0.368 7.29

83) 1,2-dibromoethane

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2A9596-ICC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

0.340 0.322 0.323 0.325 0.335 0.334 0.315 0.316 0.341 0.271 0.322 6.31

84) n-butyl ether
1.724 1.703 1.602 1.632 1.602 1.597 1.353 1.660 1.786 1.848 1.651 8.12

85) chlorobenzene
0.920 0.902 0.832 0.879 0.896 0.879 0.802 0.879 0.937 0.890 0.882 4.48

86) 1,1,1,2-tetrachloroethane
0.339 0.336 0.301 0.341 0.360 0.334 0.331 0.337 0.364 0.314 0.336 5.57

87) ethylbenzene
1.503 1.466 1.458 1.407 1.382 1.479 1.168 1.443 1.577 1.596 1.448 8.23

88) m,p-xylene
0.574 0.572 0.545 0.562 0.574 0.548 0.519 0.563 0.602 0.579 0.564 4.02

89) o-xylene
1.195 1.171 1.119 1.124 1.114 1.175 0.968 1.147 1.249 1.169 1.143 6.44

90) styrene
0.950 0.914 0.814 0.924 0.931 0.866 0.823 0.920 0.934 0.782 0.886 6.75

91) n-amyl acetate
0.220 0.223 0.235 0.244 0.180 0.236 0.225 0.217 0.223 8.72

92) bromoform
0.246 0.246 0.219 0.269 0.284 0.223 0.272 0.248 0.250 0.244 0.250 8.14

93) butyl acrylate
0.825 0.829 0.870 0.866 0.675 0.774 0.851 0.830 0.815 7.83

94) isopropylbenzene
1.459 1.418 1.413 1.375 1.389 1.443 1.179 1.411 1.534 1.579 1.420 7.48

95) cis-1,4-dichloro-2-butene
0.100 0.110 0.136 0.151 0.147 0.120 0.127 16.03

96) I 1,4-dichlorobenzene-d ----------ISTD----------

97) 4-bromofluorobenzene (s)
0.947 0.942 0.953 0.939 0.941 0.952 0.944 0.937 0.939 0.959 0.945 0.76

98) bromobenzene
0.838 0.802 0.754 0.787 0.807 0.795 0.730 0.789 0.879 0.904 0.808 6.55

99) 1,1,2,2-tetrachloroethane
0.764 0.747 0.781 0.744 0.752 0.748 0.685 0.723 0.825 0.748 0.752 4.83

100) trans-1,4-dichloro-2-butene
0.183 0.198 0.237 0.259 0.245 0.211 0.178 0.216 14.69

101) 1,2,3-trichloropropane
0.209 0.197 0.172 0.195 0.199 0.191 0.190 0.191 0.208 0.195 5.65

102) n-propylbenzene
3.420 3.358 3.155 3.130 3.116 3.385 2.522 3.236 3.552 3.489 3.236 9.08

103) 2-chlorotoluene
0.743 0.721 0.681 0.709 0.744 0.718 0.671 0.711 0.756 0.709 0.716 3.74

104) 4-chlorotoluene
2.159 2.053 2.021 1.943 1.958 2.089 1.688 1.958 2.177 2.121 2.017 7.09

105) 1,3,5-trimethylbenzene
2.311 2.301 2.246 2.180 2.229 2.267 1.858 2.200 2.351 2.350 2.229 6.41

106) tert-butylbenzene
2.042 2.038 1.914 1.959 2.055 2.040 1.723 1.997 2.150 1.977 1.990 5.70

107) 1,2,4-trimethylbenzene
2.343 2.336 2.181 2.206 2.239 2.238 1.877 2.243 2.429 2.225 2.232 6.53

108) sec-butylbenzene
3.015 2.987 2.886 2.799 2.905 2.924 2.318 2.859 3.014 3.074 2.878 7.42

109) 1,3-dichlorobenzene
1.500 1.481 1.383 1.397 1.441 1.508 1.251 1.425 1.561 1.587 1.453 6.69

110) p-isopropyltoluene
2.546 2.532 2.331 2.471 2.564 2.471 2.064 2.512 2.671 2.304 2.447 7.04

111) benzyl chloride
1.125 1.159 1.298 1.335 0.928 1.198 1.216 1.114 1.171 10.71

112) 1,2,3-trimethylbenzene
2.364 2.345 2.307 2.212 2.231 2.314 1.834 2.256 2.470 2.418 2.275 7.68

113) 1,4-dichlorobenzene

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2A9596-ICC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220743.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
       1.506 1.459 1.437 1.411 1.441 1.476 1.230 1.415 1.581 1.643  1.460    7.53
114)  1,2-dichlorobenzene
       1.452 1.408 1.366 1.367 1.398 1.340 1.209 1.387 1.510 1.477  1.391    5.98
115)  n-butylbenzene
       1.206 1.217 1.131 1.221 1.339 1.131 1.101 1.224 1.220 1.196  1.199    5.57
116)  1,2-dibromo-3-chloropropane
       0.152 0.147       0.163 0.175 0.134 0.161 0.156 0.151        0.155    7.79
117)  1,3,5-trichlorobenzene
       1.069 1.089 0.970 1.081 1.169 1.037 0.949 1.082 1.134 1.017  1.060    6.45
118)  1,2,4-trichlorobenzene
       0.850 0.894 0.742 0.925 0.996 0.822 0.817 0.888 0.866 0.748  0.855    9.07
119)  hexachlorobutadiene
       0.446 0.459 0.420 0.460 0.513 0.427 0.416 0.442 0.460 0.520  0.456    7.81
120)  naphthalene
       1.557 1.607       1.717 1.794 1.309 1.502 1.618 1.524        1.578    9.27
121)  1,2,3-trichlorobenzene
       0.691 0.701 0.612 0.747 0.810 0.608 0.666 0.714 0.673 0.671  0.689    8.68
122)  hexachloroethane
       0.305 0.325       0.389 0.456       0.406 0.346 0.256        0.355   19.02
123)  2-methylnaphthalene
             0.347       0.426 0.516       0.470 0.346              0.421   17.82
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2A9596.M         Fri Oct 14 18:47:58 2022   MS2A
```

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2A9596-ICV9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220748.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2A9596\2A220748.D Vial: 14
Acq On : 13 Oct 2022 11:54 pm Operator: PrashanS
Sample : ICV9596-50 Inst : GCMS2A
Misc : MS62754,V2A9596,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9596.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Oct 14 09:22:42 2022
Last Update : Fri Oct 14 09:22:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	104	-0.01	7.24
2	ethanol	0.101	0.099	2.0	105	0.00	5.97
3	tertiary butyl alcohol	1.280	1.288	-0.6	107	0.00	7.36
4	1,4-dioxane	0.075	0.079	-5.3	105	0.00	11.08
5 I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	9.51
6	chlorodifluoromethane		----------NA----------				
7	dichlorodifluoromethane	0.527	0.524	0.6	105	-0.01	3.95
8	chloromethane	0.786	0.662	15.8	94	-0.01	4.34
9	vinyl chloride	0.601	0.586	2.5	103	-0.01	4.56
10	1,3-butadiene	0.457	0.688	-50.5#	166	0.00	4.62
11	bromomethane	0.368	0.356	3.3	108	-0.01	5.19
12	chloroethane	0.322	0.329	-2.2	108	0.00	5.35
13	trichlorofluoromethane	0.647	0.651	-0.6	104	-0.02	5.78
14	ethyl ether	0.225	0.237	-5.3	112	0.00	6.19
15	acrolein	0.097	0.089	8.2	102	0.00	6.41
16	freon 113	0.352	0.342	2.8	104	0.00	6.61
17	1,1-dichloroethene	0.368	0.366	0.5	111	0.00	6.60
18	acetone	0.269	0.206	23.4	87	0.00	6.60
19	acetonitrile		----------NA----------				
20	iodomethane	0.701	0.724	-3.3	109	0.00	6.84
21	carbon disulfide	1.269	1.300	-2.4	115	0.00	6.98
22	methylene chloride	0.410	0.414	-1.0	111	0.00	7.30
23	methyl acetate	0.444	0.472	-6.3	120	0.00	7.06
24	methyl tert butyl ether	1.158	1.174	-1.4	112	0.00	7.65
25	trans-1,2-dichloroethene	0.414	0.406	1.9	110	0.00	7.68
26	hexane	0.824	0.757	8.1	100	0.00	8.04
27	di-isopropyl ether	1.788	1.710	4.4	107	0.00	8.25
28	ethyl tert-butyl ether	1.546	1.506	2.6	107	0.00	8.71
29	2-butanone	0.057	0.054	5.3	99	0.00	8.90
30	1,1-dichloroethane	0.800	0.808	-1.0	109	0.00	8.26
31	chloroprene	0.761	0.816	-7.2	114	0.00	8.36
32	acrylonitrile		----------NA----------				
33	vinyl acetate	0.061	0.042	31.1#	72	0.00	8.19
34	ethyl acetate	0.086	0.085	1.2	108	0.00	8.92
35	2,2-dichloropropane	0.602	0.550	8.6	103	0.00	9.00
36	cis-1,2-dichloroethene	0.446	0.439	1.6	108	0.00	8.97
37	propionitrile	0.072	0.067	6.9	98	0.00	8.98
38	bromochloromethane	0.285	0.296	-3.9	109	0.00	9.26
39	tetrahydrofuran	0.169	0.166	1.8	108	0.00	9.28
40	chloroform	0.760	0.772	-1.6	114	0.00	9.35
41	tert-butyl formate	0.302	0.153	49.3#	55	0.00	9.38

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2A9596-ICV9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220748.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol	0.027	0.027	0.0	99	0.00	9.74
43	S	dibromofluoromethane (s)	0.441	0.437	0.9	105	0.00	9.54
44		methacrylonitrile	0.176	0.185	-5.1	110	0.00	9.17
45		1,1,1-trichloroethane	0.650	0.665	-2.3	110	0.00	9.60
46		cyclohexane	0.622	0.625	-0.5	109	0.00	9.71
47		1,1-dichloropropene	0.553	0.569	-2.9	109	0.00	9.77
48		tert-amyl alcohol	0.028	0.027	3.6	104	0.00	9.90
49		carbon tetrachloride	0.564	0.598	-6.0	111	0.00	9.80
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	10.43
51	S	1,2-dichloroethane-d4 (s)	0.393	0.389	1.0	105	0.00	9.95
52		2,2,4-trimethylpentane	1.394	1.337	4.1	103	0.00	10.12
53		tert-amyl methyl ether	0.921	0.882	4.2	105	0.00	10.10
54		n-butyl alcohol	0.012	0.012	0.0	102	0.00	10.49
55		benzene	1.136	1.162	-2.3	109	0.00	10.02
56		heptane	0.269	0.290	-7.8	117	0.00	10.28
57		isopropyl acetate	0.066	0.070	-6.1	110	0.00	9.94
58		1,2-dichloroethane	0.483	0.470	2.7	109	0.00	10.04
59		trichloroethene	0.317	0.342	-7.9	112	0.00	10.74
60		ethyl acrylate	0.508	0.486	4.3	101	0.00	10.73
61		2-nitropropane	0.085	0.091	-7.1	109	0.00	11.50
62		2-chloroethyl vinyl ether	0.066	0.095	-43.9#	109	0.00	11.53
63		methyl methacrylate	0.082	0.090	-9.8	114	0.00	11.00
64		1,2-dichloropropane	0.335	0.345	-3.0	108	0.00	11.03
65		methylcyclohexane	0.526	0.541	-2.9	111	0.00	11.04
66		dibromomethane	0.182	0.192	-5.5	108	0.00	11.14
67		bromodichloromethane	0.413	0.427	-3.4	109	0.00	11.29
68		epichlorohydrin	0.038	0.036	5.3	99	0.00	11.62
69		cis-1,3-dichloropropene	0.491	0.498	-1.4	106	0.00	11.75
70		4-methyl-2-pentanone	0.143	0.149	-4.2	107	0.00	11.86
71		3-methyl-1-butanol	0.009	0.009	0.0	105	0.00	11.86
72	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	13.56
73	S	toluene-d8 (s)	1.272	1.277	-0.4	105	0.00	12.06
74		toluene	0.790	0.806	-2.0	108	0.00	12.13
75		trans-1,3-dichloropropene	0.496	0.522	-5.2	107	0.00	12.32
76		ethyl methacrylate	0.432	0.444	-2.8	103	0.00	12.32
77		1,1,2-trichloroethane	0.254	0.266	-4.7	107	0.00	12.54
78		2-hexanone	0.178	0.172	3.4	100	0.00	12.70
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane	0.481	0.505	-5.0	109	0.00	12.72
81		butyl acetate	0.285	0.298	-4.6	108	0.00	12.79
82		dibromochloromethane	0.368	0.395	-7.3	110	0.00	12.96
83		1,2-dibromoethane	0.322	0.340	-5.6	110	0.00	13.11
84		n-butyl ether	1.651	1.616	2.1	104	0.00	13.56
85		chlorobenzene	0.882	0.920	-4.3	110	0.00	13.59
86		1,1,1,2-tetrachloroethane	0.336	0.356	-6.0	109	0.00	13.66
87		ethylbenzene	1.448	1.463	-1.0	109	0.00	13.66
88		m,p-xylene	0.564	0.592	-5.0	110	0.00	13.78
89		o-xylene	1.143	1.162	-1.7	108	0.00	14.18
90		styrene	0.886	0.958	-8.1	109	0.00	14.19
91		n-amyl acetate	0.223	0.238	-6.7	106	0.00	14.22
92		bromoform	0.250	0.278	-11.2	108	0.00	14.41
93		butyl acrylate	0.815	0.858	-5.3	103	0.00	14.01
94		isopropylbenzene	1.420	1.425	-0.4	108	0.00	14.52
95		cis-1,4-dichloro-2-butene	0.127	0.127	0.0	98	0.00	14.56
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.89
97	S	4-bromofluorobenzene (s)	0.945	0.935	1.1	105	0.00	14.72
98		bromobenzene	0.808	0.812	-0.5	109	0.00	14.90

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2A9596-ICV9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220748.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	0.752	0.724	3.7	103	0.00	14.80
100	trans-1,4-dichloro-2-bute	0.216	0.245	-13.4	109	0.00	14.84
101	1,2,3-trichloropropane	0.195	0.204	-4.6	110	0.00	14.88
102	n-propylbenzene	3.236	3.212	0.7	108	0.00	14.94
103	2-chlorotoluene	0.716	0.742	-3.6	110	0.00	15.07
104	4-chlorotoluene	2.017	2.009	0.4	109	0.00	15.18
105	1,3,5-trimethylbenzene	2.229	2.234	-0.2	108	0.00	15.09
106	tert-butylbenzene	1.990	2.013	-1.2	108	0.00	15.43
107	1,2,4-trimethylbenzene	2.232	2.259	-1.2	108	0.00	15.48
108	sec-butylbenzene	2.878	2.862	0.6	108	0.00	15.65
109	1,3-dichlorobenzene	1.453	1.443	0.7	109	0.00	15.82
110	p-isopropyltoluene	2.447	2.523	-3.1	108	0.00	15.78
111	benzyl chloride	1.171	1.161	0.9	94	0.00	16.01
112	1,2,3-trimethylbenzene	----------NA----------					
113	1,4-dichlorobenzene	1.460	1.467	-0.5	110	0.00	15.91
114	1,2-dichlorobenzene	1.391	1.396	-0.4	108	0.00	16.28
115	n-butylbenzene	1.199	1.242	-3.6	107	0.00	16.20
116	1,2-dibromo-3-chloropropa	0.155	0.167	-7.7	108	0.00	17.05
117	1,3,5-trichlorobenzene	1.060	1.091	-2.9	106	0.00	17.24
118	1,2,4-trichlorobenzene	0.855	0.918	-7.4	105	0.00	17.88
119	hexachlorobutadiene	0.456	0.455	0.2	104	0.00	18.00
120	naphthalene	1.578	1.675	-6.1	103	0.00	18.17
121	1,2,3-trichlorobenzene	0.689	0.734	-6.5	104	0.00	18.40
122	hexachloroethane	0.355	0.403	-13.5	109	0.00	16.57
123	2-methylnaphthalene	0.421	0.362	14.0	90	0.00	19.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A220743.D M2A9596.M Fri Oct 14 18:47:36 2022 MS2A

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2A9596-ICV9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220749.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2A9596\2A220749.D Vial: 15
Acq On : 14 Oct 2022 12:22 am Operator: PrashanS
Sample : ICV9596-50 Inst : GCMS2A
Misc : MS62754,V2A9596,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9596.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Oct 14 09:22:42 2022
Last Update : Fri Oct 14 09:22:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	7.25
2	ethanol		----------NA----------				
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	9.51
6	chlorodifluoromethane	0.694	0.688	0.9	105	0.00	3.99
7	dichlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile	0.067	0.059	11.9	95	0.00	7.01
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile	0.191	0.160	16.2	84	0.00	7.59
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				
38	bromochloromethane		----------NA----------				
39	tetrahydrofuran		----------NA----------				
40	chloroform		----------NA----------				
41	tert-butyl formate		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2A9596-ICV9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220749.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.441	0.438	0.7	103	0.00	9.54	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	10.43	
51	S	1,2-dichloroethane-d4 (s)	0.393	0.399	-1.5	105	0.00	9.95	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.56	
73	S	toluene-d8 (s)	1.272	1.253	1.5	103	0.00	12.06	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene	0.415	0.371	10.6	99	0.00	12.68	
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		n-amyl acetate		----------NA----------					
92		bromoform		----------NA----------					
93		butyl acrylate		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	15.89	
97	S	4-bromofluorobenzene (s)	0.945	0.958	-1.4	104	0.00	14.72	
98		bromobenzene		----------NA----------					

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2A9596-ICV9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A220749.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane		----------NA----------				
100	trans-1,4-dichloro-2-bute		----------NA----------				
101	1,2,3-trichloropropane		----------NA----------				
102	n-propylbenzene		----------NA----------				
103	2-chlorotoluene		----------NA----------				
104	4-chlorotoluene		----------NA----------				
105	1,3,5-trimethylbenzene		----------NA----------				
106	tert-butylbenzene		----------NA----------				
107	1,2,4-trimethylbenzene		----------NA----------				
108	sec-butylbenzene		----------NA----------				
109	1,3-dichlorobenzene		----------NA----------				
110	p-isopropyltoluene		----------NA----------				
111	benzyl chloride		----------NA----------				
112	1,2,3-trimethylbenzene	2.275	2.370	-4.2	110	0.00	15.91
113	1,4-dichlorobenzene		----------NA----------				
114	1,2-dichlorobenzene		----------NA----------				
115	n-butylbenzene		----------NA----------				
116	1,2-dibromo-3-chloropropa		----------NA----------				
117	1,3,5-trichlorobenzene		----------NA----------				
118	1,2,4-trichlorobenzene		----------NA----------				
119	hexachlorobutadiene		----------NA----------				
120	naphthalene		----------NA----------				
121	1,2,3-trichlorobenzene		----------NA----------				
122	hexachloroethane		----------NA----------				
123	2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A220743.D M2A9596.M Fri Oct 14 18:47:37 2022 MS2A

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V2A9618-CC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221260.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\lu...22\v2a9618\2a221260.d Vial: 2
Acq On : 27 Oct 2022 9:40 am Operator: nickw
Sample : CC9596-20 Inst : GCMS2A
Misc : MS63341,V2A9618,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2A9596.M (RTE Integrator)
Title : Method SW846 8260D, ZB624.1 60m x 0.25mm xFri May Fri Oct 14 09:22:42 2022
Last Update : Mon Sep 13 11:48:20 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	96	0.00	7.25
2	ethanol	0.101	0.088	12.9	91	0.00	5.97
3	tertiary butyl alcohol	1.280	1.144	10.6	92	0.00	7.36
4	1,4-dioxane	0.075	0.077	-2.7	100	0.00	11.08
5 I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	9.51
6	chlorodifluoromethane	0.694	0.529	23.8#	77	0.00	3.99
7	dichlorodifluoromethane	0.527	0.494	6.3	96	0.00	3.96
8	chloromethane	0.786	0.393	50.0#	56	0.00	4.35
9	vinyl chloride	0.601	0.333	44.6#	57	0.00	4.57
10	1,3-butadiene	0.457	0.222	51.4#	50#	0.00	4.62
11	bromomethane	0.368	0.307	16.6	89	-0.02	5.19
12	chloroethane	0.322	0.273	15.2	87	0.00	5.35
13	trichlorofluoromethane	0.647	0.584	9.7	91	0.00	5.79
14	ethyl ether	0.225	0.193	14.2	90	0.00	6.19
15	acrolein	0.097	0.095	2.1	108	0.00	6.41
16	freon 113	0.352	0.314	10.8	92	0.00	6.61
17	1,1-dichloroethene	0.368	0.306	16.8	89	0.00	6.61
18	acetone	0.269	0.131	51.3#	53	0.00	6.61
19	acetonitrile	0.067	0.060	10.4	96	0.00	7.02
20	iodomethane	0.701	0.652	7.0	94	0.00	6.85
21	carbon disulfide	1.269	1.042	17.9	86	0.00	6.98
22	methylene chloride	0.410	0.355	13.4	91	0.00	7.30
23	methyl acetate	0.444	0.372	16.2	93	0.00	7.06
24	methyl tert butyl ether	1.158	1.032	10.9	94	0.00	7.66
25	trans-1,2-dichloroethene	0.414	0.348	15.9	89	0.00	7.69
26	hexane	0.824	0.650	21.1#	84	0.00	8.04
27	di-isopropyl ether	1.788	1.482	17.1	86	0.00	8.25
28	ethyl tert-butyl ether	1.546	1.360	12.0	91	0.00	8.70
29	2-butanone	0.057	0.045	21.1#	81	0.00	8.90
30	1,1-dichloroethane	0.800	0.675	15.6	86	0.00	8.25
31	chloroprene	0.761	0.618	18.8	83	0.00	8.36
32	acrylonitrile		----------NA----------				
33	vinyl acetate	0.061	0.076	-24.6#	123	0.00	8.20
34	ethyl acetate	0.086	0.079	8.1	97	0.00	8.93
35	2,2-dichloropropane	0.602	0.518	14.0	91	0.00	9.00
36	cis-1,2-dichloroethene	0.446	0.391	12.3	92	0.00	8.97
37	propionitrile	0.072	0.071	1.4	101	0.00	8.98
38	bromochloromethane	0.285	0.271	4.9	97	0.00	9.26
39	tetrahydrofuran	0.169	0.155	8.3	98	0.00	9.29
40	chloroform	0.760	0.636	16.3	91	0.00	9.35
41	tert-butyl formate	0.302	0.354	-17.2	124	0.00	9.38

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V2A9618-CC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221260.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

42		isobutyl alcohol	0.027	0.024	11.1	90	0.00	9.75
43	S	dibromofluoromethane (s)	0.441	0.438	0.7	100	0.00	9.54
44		methacrylonitrile	0.176	0.168	4.5	97	0.00	9.18
45		1,1,1-trichloroethane	0.650	0.563	13.4	90	0.00	9.61
46		cyclohexane	0.622	0.514	17.4	87	0.00	9.72
47		1,1-dichloropropene	0.553	0.459	17.0	84	0.00	9.78
48		tert-amyl alcohol	0.028	0.025	10.7	97	0.00	9.91
49		carbon tetrachloride	0.564	0.498	11.7	90	0.00	9.80
50	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	10.43
51	S	1,2-dichloroethane-d4 (s)	0.393	0.351	10.7	90	0.00	9.95
52		2,2,4-trimethylpentane	1.394	1.134	18.7	83	0.00	10.11
53		tert-amyl methyl ether	0.921	0.811	11.9	92	0.00	10.10
54		n-butyl alcohol	0.012	0.011	8.3	97	0.00	10.50
55		benzene	1.136	0.972	14.4	88	0.00	10.02
56		heptane	0.269	0.241	10.4	98	0.00	10.28
57		isopropyl acetate	0.066	0.063	4.5	99	0.00	9.94
58		1,2-dichloroethane	0.483	0.379	21.5#	85	0.00	10.05
59		trichloroethene	0.317	0.271	14.5	87	0.00	10.75
60		ethyl acrylate	0.508	0.466	8.3	95	0.00	10.74
61		2-nitropropane	0.085	0.068	20.0	84	0.00	11.50
62		2-chloroethyl vinyl ether	0.066	0.114	-72.7#	199	0.00	11.53
63		methyl methacrylate	0.082	0.077	6.1	92	0.00	11.00
64		1,2-dichloropropane	0.335	0.289	13.7	88	0.00	11.03
65		methylcyclohexane	0.526	0.433	17.7	86	0.00	11.04
66		dibromomethane	0.182	0.168	7.7	95	0.00	11.14
67		bromodichloromethane	0.413	0.361	12.6	90	0.00	11.29
68		epichlorohydrin	0.038	0.035	7.9	97	0.00	11.62
69		cis-1,3-dichloropropene	0.491	0.427	13.0	89	0.00	11.75
70		4-methyl-2-pentanone	0.143	0.134	6.3	94	0.00	11.86
71		3-methyl-1-butanol	0.009	0.008	11.1	90	0.00	11.86
72	I	chlorobenzene-d5	1.000	1.000	0.0	93	0.00	13.56
73	S	toluene-d8 (s)	1.272	1.265	0.6	93	0.00	12.06
74		toluene	0.790	0.706	10.6	85	0.00	12.13
75		trans-1,3-dichloropropene	0.496	0.459	7.5	86	0.00	12.32
76		ethyl methacrylate	0.432	0.405	6.2	84	0.00	12.32
77		1,1,2-trichloroethane	0.254	0.244	3.9	91	0.00	12.54
78		2-hexanone	0.178	0.156	12.4	81	0.00	12.71
79		tetrachloroethene	0.415	0.394	5.1	93	0.00	12.69
80		1,3-dichloropropane	0.481	0.443	7.9	86	0.00	12.71
81		butyl acetate	0.285	0.272	4.6	91	0.00	12.79
82		dibromochloromethane	0.368	0.377	-2.4	97	0.00	12.96
83		1,2-dibromoethane	0.322	0.319	0.9	94	0.00	13.11
84		n-butyl ether	1.651	1.342	18.7	75	0.00	13.56
85		chlorobenzene	0.882	0.813	7.8	86	0.00	13.60
86		1,1,1,2-tetrachloroethane	0.336	0.332	1.2	92	0.00	13.66
87		ethylbenzene	1.448	1.267	12.5	82	0.00	13.66
88		m,p-xylene	0.564	0.495	12.2	82	0.00	13.78
89		o-xylene	1.143	0.997	12.8	81	0.00	14.17
90		styrene	0.886	0.810	8.6	82	0.00	14.19
91		n-amyl acetate	0.223	0.201	9.9	83	0.00	14.22
92		bromoform	0.250	0.272	-8.8	102	0.00	14.41
93		butyl acrylate	0.815	0.741	9.1	81	0.00	14.01
94		isopropylbenzene	1.420	1.235	13.0	81	0.00	14.52
95		cis-1,4-dichloro-2-butene	0.127	0.130	-2.4	101	0.00	14.56
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	15.89
97	S	4-bromofluorobenzene (s)	0.945	0.897	5.1	88	0.00	14.72
98		bromobenzene	0.808	0.766	5.2	89	0.00	14.90

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V2A9618-CC9596
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2A221260.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

99	1,1,2,2-tetrachloroethane	0.752	0.705	6.3	89	0.00	14.80
100	trans-1,4-dichloro-2-bute	0.216	0.185	14.4	80	0.00	14.84
101	1,2,3-trichloropropane	0.195	0.200	-2.6	96	0.00	14.88
102	n-propylbenzene	3.236	2.722	15.9	77	0.00	14.94
103	2-chlorotoluene	0.716	0.657	8.2	85	0.00	15.07
104	4-chlorotoluene	2.017	1.712	15.1	80	0.00	15.18
105	1,3,5-trimethylbenzene	2.229	1.922	13.8	80	0.00	15.09
106	tert-butylbenzene	1.990	1.781	10.5	82	0.00	15.43
107	1,2,4-trimethylbenzene	2.232	1.979	11.3	81	0.00	15.48
108	sec-butylbenzene	2.878	2.451	14.8	79	0.00	15.65
109	1,3-dichlorobenzene	1.453	1.337	8.0	86	0.00	15.82
110	p-isopropyltoluene	2.447	2.214	9.5	81	0.00	15.78
111	benzyl chloride	1.171	1.326	-13.2	100	0.00	16.00
112	1,2,3-trimethylbenzene	2.275	2.002	12.0	81	0.00	15.91
113	1,4-dichlorobenzene	1.460	1.327	9.1	86	0.00	15.91
114	1,2-dichlorobenzene	1.391	1.292	7.1	86	0.00	16.28
115	n-butylbenzene	1.199	1.025	14.5	77	0.00	16.20
116	1,2-dibromo-3-chloropropa	0.155	0.166	-7.1	98	0.00	17.05
117	1,3,5-trichlorobenzene	1.060	1.034	2.5	88	0.00	17.24
118	1,2,4-trichlorobenzene	0.855	0.873	-2.1	90	0.00	17.88
119	hexachlorobutadiene	0.456	0.432	5.3	90	0.00	18.00
120	naphthalene	1.578	1.641	-4.0	93	0.00	18.17
121	1,2,3-trichlorobenzene	0.689	0.679	1.5	87	0.00	18.40
122	hexachloroethane	0.355	0.315	11.3	84	0.00	16.57
123	2-methylnaphthalene	0.421	0.255	39.4#	68	0.00	19.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2A220742.D M2A9596.M Thu Oct 27 20:03:21 2022

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49387.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report GCMS-U

Method : C:\msdchem\1\METHODS\M2U2005.M (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 12:04:45 2022
Response via : Initial Calibration

Calibration Files
4 =2U49381.D 0.5 =2U49375.D 8 =2U49383.D 50 =2U49387.D
100 =2U49389.D 1 =2U49377.D 200 =2U49391.D 20 =2U49385.D
2 =2U49379.D 0.2 =2U49373.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) ethanol	0.057	0.067	0.065	0.060	0.068	0.054	0.064	0.056			0.061	8.59
3) tertiary butyl alcohol	0.565	0.629	0.642	0.589	0.584	0.518	0.658	0.611			0.599	7.59
4) 1,4-dioxane	0.048	0.058	0.063	0.056		0.056	0.057	0.041			0.054	13.38
5) I pentafluorobenzene	ISTD											
6) chlorodifluoromethane	0.343	0.386	0.336	0.363	0.356	0.409	0.322	0.370	0.373		0.362	7.28
7) dichlorodifluoromethane	0.381	0.329	0.355	0.366	0.359	0.533	0.316	0.372	0.377		0.376	16.61
8) chloromethane	0.367	0.487	0.363	0.381	0.359	0.441	0.328	0.376	0.393		0.388	12.29
9) vinyl chloride	0.543	0.630	0.525	0.539	0.511	0.727	0.444	0.545	0.560		0.558	14.26
10) 1,3-butadiene	0.464		0.396	0.399	0.368		0.320	0.399	0.466		0.402	12.84
11) bromomethane	1.096		0.992	0.971	0.890	1.320	0.707	0.988	1.183		1.018	18.23
12) chloroethane	0.490		0.437	0.476	0.458	0.785	0.394	0.459	0.533		0.504	23.87
----- Linear regression ----- Coefficient = 0.9933												
Response Ratio = 0.00676 + 0.42108 *A												
13) trichlorofluoromethane	1.502	1.467	1.512	1.888	2.026	1.821	1.825	1.637	1.562		1.693	11.88
14) ethyl ether	0.281	0.372	0.307	0.306	0.286	0.432	0.259	0.289	0.323		0.317	16.88
15) acrolein	0.062		0.056	0.068	0.065		0.056	0.067			0.062	8.22
16) freon 113	0.310	0.339	0.313	0.332	0.347	0.339	0.393	0.323	0.280		0.331	9.33
17) 1,1-dichloroethene	0.448	0.604	0.449	0.505	0.526	0.501	0.538	0.457	0.480		0.501	10.07
18) acetone	0.044	0.048	0.038	0.043	0.036	0.045	0.034	0.045	0.045		0.042	10.72
19) acetonitrile	0.055		0.051	0.050	0.043		0.035	0.052	0.065		0.050	18.95
20) iodomethane											0.000	-1.00
21) carbon disulfide	0.979	1.082	0.959	1.028	1.014	1.106	0.969	0.983	1.024		1.016	4.99

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49387.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

22) methylene chloride
0.313 0.251 0.285 0.297 0.278 0.309 0.257 0.302 0.321 0.334 0.295 9.11
23) methyl acetate
0.074 0.073 0.073 0.070 0.064 0.074 0.073 0.072 4.87
24) methyl tert butyl ether
0.740 0.802 0.711 0.776 0.749 0.791 0.713 0.723 0.745 0.970 0.772 9.87
25) trans-1,2-dichloroethene
0.424 0.461 0.366 0.384 0.367 0.485 0.355 0.366 0.453 0.407 12.18
26) hexane
0.677 0.874 0.634 0.705 0.687 0.786 0.618 0.652 0.672 0.701 11.56
27) di-isopropyl ether
0.800 1.056 0.792 0.853 0.834 0.934 0.787 0.799 0.939 0.866 10.62
28) ethyl tert-butyl ether
0.684 0.737 0.652 0.770 0.774 0.828 0.764 0.708 0.699 0.765 0.738 7.09
29) 2-butanone
0.059 0.057 0.054 0.058 0.052 0.072 0.047 0.057 0.064 0.058 12.47
30) 1,1-dichloroethane
0.482 0.490 0.481 0.536 0.538 0.591 0.494 0.507 0.528 0.516 6.95
31) chloroprene
0.375 0.466 0.383 0.412 0.411 0.433 0.382 0.379 0.412 0.406 7.42
32) acrylonitrile
0.089 0.098 0.104 0.104 0.095 0.107 0.140 0.105 15.64
33) vinyl acetate
0.059 0.056 0.066 0.067 0.079 0.069 0.061 0.068 0.066 10.61
34) ethyl acetate
0.034 0.032 0.031 0.034 0.032 0.034 0.032 0.033 3.87
35) 2,2-dichloropropane
0.400 0.409 0.400 0.411 0.384 0.407 0.355 0.389 0.434 0.486 0.407 8.45
36) cis-1,2-dichloroethene
0.320 0.346 0.300 0.318 0.303 0.373 0.276 0.309 0.321 0.286 0.315 8.94
37) propionitrile
0.063 0.058 0.069 0.066 0.068 0.056 0.065 0.064 0.064 6.73
38) methyl acrylate
0.060 0.061 0.071 0.062 0.057 0.066 0.079 0.065 11.65
39) bromochloromethane
0.184 0.191 0.151 0.151 0.143 0.154 0.134 0.153 0.168 0.159 11.85
40) tetrahydrofuran
0.068 0.056 0.055 0.053 0.055 0.047 0.054 0.054 0.055 10.60
41) chloroform
0.177 0.191 0.147 0.157 0.149 0.134 0.142 0.152 0.189 0.160 12.98
42) dibromofluoromethane (s)
0.470 0.480 0.468 0.456 0.435 0.486 0.424 0.464 0.470 0.485 0.464 4.41
43) methacrylonitrile
0.192 0.174 0.186 0.176 0.152 0.173 0.176 7.92
44) 1,1,1-trichloroethane
0.434 0.479 0.464 0.476 0.443 0.548 0.409 0.474 0.454 0.465 8.34
45) cyclohexane
0.454 0.408 0.438 0.452 0.459 0.520 0.439 0.447 0.447 0.429 0.449 6.43
46) 1,1-dichloropropene
0.381 0.387 0.396 0.410 0.396 0.481 0.372 0.407 0.453 0.409 8.71
47) carbon tetrachloride
0.473 0.462 0.477 0.461 0.584 0.429 0.469 0.503 0.482 9.55
48) isobutyl alcohol
0.037 0.035 0.045 0.043 0.036 0.039 0.047 0.040 11.56
49) tert-amyl alcohol
0.016 0.013 0.017 0.016 0.014 0.014 0.013 0.015 9.86

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.303 0.307 0.308 0.314 0.308 0.311 0.278 0.306 0.296 0.310 0.304 3.45

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49387.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

52) iso-octane
0.857 0.928 0.833 0.921 0.893 0.964 0.770 0.885 0.889 0.882 6.45
53) benzene
0.858 1.063 0.880 0.950 0.930 0.954 0.826 0.892 0.909 1.057 0.932 8.39
54) tert-amyl methyl ether
0.557 0.593 0.529 0.585 0.570 0.628 0.510 0.563 0.557 0.566 6.14
55) heptane
0.167 0.150 0.166 0.155 0.130 0.140 0.154 0.152 8.83
56) isopropyl acetate
0.060 0.056 0.057 0.052 0.048 0.054 0.041 0.053 12.04
57) 1,2-dichloroethane
0.226 0.301 0.224 0.224 0.231 0.307 0.210 0.210 0.258 0.243 15.30
58) n-butyl alcohol
0.008 0.009 0.010 0.010 0.010 0.008 0.009 0.008 0.009 9.78
59) ethyl acrylate
0.295 0.275 0.313 0.306 0.352 0.287 0.290 0.296 0.302 7.77
60) trichloroethene
0.291 0.257 0.262 0.273 0.271 0.275 0.261 0.262 0.258 0.268 4.06
61) 2-nitropropane
0.075 0.062 0.073 0.073 0.078 0.066 0.071 8.27
62) 2-chloroethyl vinyl ether
0.130 0.137 0.126 0.154 0.153 0.113 0.144 0.134 0.118 0.134 10.69
63) methyl methacrylate
0.060 0.061 0.065 0.056 0.064 0.053 0.063 0.047 0.059 10.56
64) 1,2-dichloropropane
0.185 0.234 0.193 0.211 0.210 0.221 0.194 0.205 0.211 0.207 7.26
65) methylcyclohexane
0.312 0.307 0.286 0.284 0.248 0.278 0.328 0.292 9.01
66) dibromomethane
0.149 0.186 0.141 0.148 0.140 0.169 0.143 0.141 0.154 0.152 10.20
67) bromodichloromethane
0.277 0.292 0.270 0.286 0.271 0.302 0.261 0.262 0.287 0.279 4.98
68) epichlorohydrin
0.032 0.031 0.033 0.033 0.028 0.032 0.035 0.032 7.21
69) cis-1,3-dichloropropene
0.313 0.357 0.299 0.324 0.320 0.369 0.294 0.307 0.316 0.322 7.80
70) 4-methyl-2-pentanone
0.104 0.100 0.103 0.121 0.122 0.105 0.107 0.111 0.111 0.109 7.02
71) 3-methyl-1-butanol
0.007 0.007 0.009 0.009 0.008 0.008 0.008 0.006 0.008 13.06

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.224 1.229 1.215 1.155 1.124 1.212 1.068 1.184 1.215 1.212 1.184 4.45
74) toluene
0.545 0.579 0.515 0.576 0.571 0.534 0.570 0.525 0.529 0.549 4.52
75) ethyl methacrylate
0.240 0.293 0.255 0.298 0.308 0.285 0.304 0.268 0.243 0.277 9.50
76) trans-1,3-dichloropropene
0.284 0.306 0.268 0.326 0.348 0.297 0.356 0.287 0.290 0.307 9.84
77) 1,1,2-trichloroethane
0.184 0.166 0.172 0.180 0.179 0.194 0.180 0.163 0.180 0.178 5.33
78) tetrachloroethene
0.273 0.285 0.274 0.306 0.308 0.303 0.325 0.282 0.290 0.294 5.93
79) 2-hexanone
0.112 0.136 0.116 0.131 0.132 0.138 0.120 0.117 0.117 0.124 7.99
80) 1,3-dichloropropane
0.316 0.397 0.297 0.327 0.311 0.363 0.303 0.306 0.311 0.326 10.12
81) butyl acetate
0.152 0.145 0.159 0.160 0.150 0.150 0.146 0.152 3.84

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49387.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

82) dibromochloromethane
0.243 0.285 0.229 0.256 0.254 0.343 0.249 0.236 0.266 0.309 0.267 13.40
83) 1,2-dibromoethane
0.213 0.255 0.206 0.227 0.216 0.227 0.202 0.218 0.231 0.222 7.09
84) n-butyl ether
0.777 0.992 0.821 0.932 0.950 0.893 0.877 0.842 0.795 0.875 8.34
85) chlorobenzene
0.619 0.736 0.602 0.673 0.686 0.706 0.714 0.629 0.622 0.667 0.665 6.89
86) 1,1,1,2-tetrachloroethane
0.231 0.253 0.210 0.234 0.242 0.223 0.237 0.221 0.209 0.229 6.39
87) ethylbenzene
0.965 1.393 1.003 1.156 1.177 1.176 1.161 1.020 1.094 1.194 1.134 10.83
88) m,p-xylene
0.380 0.390 0.391 0.451 0.475 0.392 0.479 0.401 0.385 0.503 0.425 11.07
89) o-xylene
0.347 0.467 0.358 0.400 0.393 0.448 0.402 0.370 0.369 0.496 0.405 12.19
90) styrene
0.559 0.613 0.558 0.660 0.689 0.724 0.723 0.602 0.610 0.795 0.653 12.00
91) bromoform
0.191 0.237 0.177 0.204 0.219 0.233 0.229 0.183 0.190 0.207 11.04
92) butyl acrylate
0.339 0.345 0.351 0.438 0.449 0.355 0.433 0.384 0.376 0.447 0.392 11.59
93) isopropylbenzene
1.014 1.012 0.957 1.095 1.115 1.075 1.132 1.006 0.991 1.059 1.045 5.56
94) cis-1,4-dichloro-2-butene
0.084 0.090 0.114 0.117 0.106 0.116 0.096 0.085 0.101 13.82

95) I 1,4-dichlorobenzene-d ----------ISTD----------
96) 4-bromofluorobenzene (s)
0.718 0.728 0.730 0.695 0.735 0.704 0.715 0.712 0.727 0.711 0.717 1.78
97) bromobenzene
0.494 0.633 0.514 0.540 0.570 0.514 0.567 0.510 0.532 0.535 0.541 7.47
98) 1,1,2,2-tetrachloroethane
0.574 0.506 0.581 0.643 0.634 0.638 0.604 0.609 0.584 0.546 0.592 7.32
99) trans-1,4-dichloro-2-butene
0.131 0.148 0.164 0.172 0.157 0.148 0.171 0.156 9.43
100) 1,2,3-trichloropropane
0.175 0.211 0.152 0.196 0.211 0.255 0.211 0.174 0.194 0.198 14.93
101) n-propylbenzene
2.186 2.540 2.184 2.603 2.667 2.596 2.547 2.311 2.280 2.242 2.416 7.92
102) 2-chlorotoluene
0.476 0.502 0.464 0.522 0.526 0.486 0.515 0.473 0.487 0.585 0.504 7.10
103) 4-chlorotoluene
1.063 1.105 1.155 1.305 1.356 1.396 1.334 1.183 1.278 1.242 9.55
104) 1,3,5-trimethylbenzene
1.358 1.416 1.368 1.649 1.766 1.383 1.766 1.439 1.459 1.401 1.500 10.82
105) tert-butylbenzene
1.256 1.289 1.333 1.510 1.517 1.437 1.488 1.349 1.268 1.733 1.418 10.52
106) 1,2,4-trimethylbenzene
1.308 1.763 1.336 1.588 1.694 1.434 1.711 1.432 1.389 1.658 1.531 11.09
107) sec-butylbenzene
1.923 2.257 1.913 2.250 2.323 1.921 2.288 2.057 1.842 1.995 2.077 8.87
108) 1,3-dichlorobenzene
0.912 0.832 0.942 1.027 1.033 1.092 1.050 0.991 0.951 0.981 8.17
109) p-isopropyltoluene
1.526 1.656 1.577 1.925 1.985 1.554 2.026 1.743 1.636 1.840 1.747 10.63
110) 1,4-dichlorobenzene
0.988 1.164 0.976 1.106 1.100 1.176 1.101 1.017 0.971 1.280 1.088 9.31
111) 1,2-dichlorobenzene
0.876 0.939 0.848 0.949 0.948 0.903 0.977 0.911 0.921 1.091 0.936 7.06

Initial Calibration Summary

Job Number: JD54013 **Sample:** V2U2005-ICC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49387.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

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112)  1,2,3-trimethylbenzene
       1.328 1.609 1.384 1.660 1.709 1.518 1.731 1.461 1.440 1.847  1.569   10.75
113)  n-butylbenzene
       0.765 1.019 0.807 0.982 1.039 0.844 1.036 0.858 0.836 0.856  0.904   11.42
114)  1,2-dibromo-3-chloropropane
       0.127 0.183 0.173 0.170 0.171 0.162 0.155 0.172 0.216        0.170   13.91
115)  1,3,5-trichlorobenzene
       0.590 0.706 0.632 0.691 0.689 0.751 0.693 0.644 0.591 0.677  0.666    7.72
116)  1,2,4-trichlorobenzene
       0.502 0.646 0.501 0.569 0.555 0.522 0.564 0.523 0.461 0.479  0.532   10.11
117)  hexachlorobutadiene
       0.225 0.216 0.239 0.261 0.251 0.305 0.248 0.254 0.267        0.252   10.31
118)  naphthalene
       1.337 1.435 1.340 1.632 1.645 1.429 1.680 1.460 1.234 1.694  1.489   10.99
119)  1,2,3-trichlorobenzene
       0.425 0.419 0.516 0.538 0.528 0.647 0.528 0.506 0.510        0.513   13.02
120)  hexachloroethane
       0.247       0.287 0.343 0.362 0.289 0.393 0.302 0.226        0.306   18.58
121)  benzyl chloride
       0.172       0.185 0.235 0.243 0.244 0.252 0.202 0.208        0.218   13.79
122)  2-methylnaphthalene
       0.489 0.520 0.415 0.519 0.530 0.452 0.552 0.470 0.523        0.497    8.80
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2U2005.M         Tue Oct 25 17:36:13 2022
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Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49397.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VU2005\2U49397.D Vial: 14
Acq On : 25 Oct 2022 12:34 am Operator: PrashanS
Sample : ICV2005-50 Inst : GCMS-U
Misc : MS63058,V2U2005,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2U2005.M (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 12:04:45 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	105	0.00	2.06
2		ethanol	0.061	0.069	-13.1	109	0.00	1.66
3	M	tertiary butyl alcohol	0.599	0.735	-22.7	120	0.00	2.09
4		1,4-dioxane	0.054	0.065	-20.4	108	0.00	3.71
5	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	3.00
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.376	0.368	2.1	110	0.00	1.07
8		chloromethane	0.388	0.373	3.9	107	0.00	1.17
9		vinyl chloride	0.558	0.567	-1.6	115	0.00	1.21
10		1,3-butadiene	0.402	0.398	1.0	109	0.00	1.21
11		bromomethane	1.018	1.091	-7.2	123	0.00	1.36
		----------	True	Calc.	% Drift	----------		
12		chloroethane	50.000	57.553	-15.1	113	0.00	1.41
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane	1.693	1.877	-10.9	109	0.00	1.48
14		ethyl ether	0.317	0.287	9.5	103	0.00	1.61
15		acrolein	0.062	0.073	-17.7	118	0.00	1.85
16		freon 113	0.331	0.270	18.4	89	0.00	1.72
17		1,1-dichloroethene	0.501	0.428	14.6	93	0.00	1.71
18		acetone	0.042	0.041	2.4	105	0.00	1.98
19		acetonitrile	0.050	0.048	4.0	106	0.00	2.19
20		iodomethane		----------NA----------				
21		carbon disulfide	1.016	0.845	16.8	90	0.00	1.74
22		methylene chloride	0.295	0.283	4.1	104	0.00	1.96
23		methyl acetate	0.072	0.085	-18.1	127	0.00	2.02
24		methyl tert butyl ether	0.772	0.772	0.0	109	0.00	2.07
25		trans-1,2-dichloroethene	0.407	0.354	13.0	101	0.00	2.03
26		hexane	0.701	0.685	2.3	106	0.00	2.07
27		di-isopropyl ether	0.866	0.863	0.3	111	0.00	2.23
28		ethyl tert-butyl ether	0.738	0.754	-2.2	107	0.00	2.40
29		2-butanone	0.058	0.058	0.0	111	0.00	2.83
30	M	1,1-dichloroethane	0.516	0.499	3.3	102	0.00	2.31
31		chloroprene	0.406	0.375	7.6	100	0.00	2.30
32		acrylonitrile	0.105	0.106	-1.0	112	0.00	2.33
33		vinyl acetate	0.066	0.053	19.7	88	0.00	2.41
34		ethyl acetate	0.033	0.040	-21.2	140	0.00	2.73
35		2,2-dichloropropane	0.407	0.362	11.1	96	0.00	2.62
36		cis-1,2-dichloroethene	0.315	0.299	5.1	103	0.00	2.56
37		propionitrile	0.064	0.064	0.0	101	0.00	2.98

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49397.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate	0.065	0.063	3.1	97	0.00	2.74
39		bromochloromethane	0.159	0.152	4.4	110	0.00	2.66
40		tetrahydrofuran	0.055	0.056	-1.8	112	0.00	2.77
41		chloroform	0.160	0.152	5.0	106	0.00	2.68
42	S	dibromofluoromethane (s)	0.464	0.444	4.3	107	0.00	2.78
43		methacrylonitrile	0.176	0.183	-4.0	108	0.00	3.00
44		1,1,1-trichloroethane	0.465	0.446	4.1	103	0.00	2.81
45		cyclohexane	0.449	0.493	-9.8	119	0.00	2.67
46		1,1-dichloropropene	0.409	0.383	6.4	102	0.00	2.86
47		carbon tetrachloride	0.482	0.444	7.9	102	0.00	2.77
48		isobutyl alcohol	0.040	0.044	-10.0	108	0.00	3.03
49		tert-amyl alcohol	0.015	0.017	-13.3	111	0.00	3.11
50	I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.304	0.317	-4.3	110	0.00	3.05
52		iso-octane	0.882	0.721	18.3	86	0.00	2.91
53	M	benzene	0.932	0.902	3.2	104	0.00	2.99
54		tert-amyl methyl ether	0.566	0.576	-1.8	108	0.00	3.03
55		heptane	0.152	0.138	9.2	91	0.00	2.95
56		isopropyl acetate	0.053	0.056	-5.7	107	0.00	3.18
57		1,2-dichloroethane	0.243	0.231	4.9	113	0.00	3.09
58		n-butyl alcohol	0.009	0.011	-22.2	121	0.00	3.42
59		ethyl acrylate	0.302	0.313	-3.6	109	0.00	3.56
60		trichloroethene	0.268	0.264	1.5	106	0.00	3.29
61		2-nitropropane	0.071	0.092	-29.6	138	0.00	4.25
62		2-chloroethyl vinyl ether	0.134	0.138	-3.0	98	0.00	3.92
63		methyl methacrylate	0.059	0.068	-15.3	115	0.00	3.67
64		1,2-dichloropropane	0.207	0.221	-6.8	115	0.00	3.58
65		methylcyclohexane	0.292	0.265	9.2	102	0.00	3.29
66		dibromomethane	0.152	0.155	-2.0	115	0.00	3.52
67		bromodichloromethane	0.279	0.290	-3.9	111	0.00	3.60
68		epichlorohydrin	0.032	0.034	-6.3	112	0.00	4.11
69		cis-1,3-dichloropropene	0.322	0.332	-3.1	112	0.00	3.97
70		4-methyl-2-pentanone	0.109	0.129	-18.3	116	0.00	4.34
71		3-methyl-1-butanol	0.008	0.010	-25.0	118	0.00	4.19
72	I	chlorobenzene-d5	1.000	1.000	0.0	107	0.00	5.09
73	S	toluene-d8 (s)	1.184	1.167	1.4	108	0.00	4.08
74		toluene	0.549	0.571	-4.0	106	0.00	4.12
75		ethyl methacrylate	0.277	0.315	-13.7	113	0.00	4.46
76		trans-1,3-dichloropropene	0.307	0.351	-14.3	115	0.00	4.36
77		1,1,2-trichloroethane	0.178	0.189	-6.2	112	0.00	4.47
78		tetrachloroethene	0.294	0.329	-11.9	115	0.00	4.36
79		2-hexanone	0.124	0.141	-13.7	115	0.00	4.88
80		1,3-dichloropropane	0.326	0.348	-6.7	114	0.00	4.65
81		butyl acetate	0.152	0.177	-16.4	119	0.00	4.81
82		dibromochloromethane	0.267	0.283	-6.0	118	0.00	4.59
83		1,2-dibromoethane	0.222	0.244	-9.9	115	0.00	4.75
84		n-butyl ether	0.875	0.973	-11.2	112	0.00	5.03
85		chlorobenzene	0.665	0.713	-7.2	113	0.00	5.10
86		1,1,1,2-tetrachloroethane	0.229	0.257	-12.2	117	0.00	5.14
87		ethylbenzene	1.134	1.196	-5.5	111	0.00	5.12
88		m,p-xylene	0.425	0.472	-11.1	112	0.00	5.22
89		o-xylene	0.405	0.422	-4.2	113	0.00	5.53
90		styrene	0.653	0.706	-8.1	114	0.00	5.57
91		bromoform	0.207	0.228	-10.1	120	0.00	5.58
92		butyl acrylate	0.392	0.481	-22.7	117	0.00	5.65
93		isopropylbenzene	1.045	1.126	-7.8	110	0.00	5.76
94		cis-1,4-dichloro-2-butene	0.101	0.111	-9.9	104	0.00	6.01

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49397.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.717	0.712	0.7	113	0.00	5.97
97		bromobenzene	0.541	0.573	-5.9	117	0.00	6.05
98		1,1,2,2-tetrachloroethane	0.592	0.681	-15.0	116	0.00	6.12
99		trans-1,4-dichloro-2-bute	0.156	0.181	-16.0	121	0.00	6.25
100		1,2,3-trichloropropane	0.198	0.210	-6.1	118	0.00	6.22
101		n-propylbenzene	2.416	2.619	-8.4	111	0.00	6.07
102		2-chlorotoluene	0.504	0.517	-2.6	109	0.00	6.19
103		4-chlorotoluene	1.242	1.361	-9.6	115	0.00	6.31
104		1,3,5-trimethylbenzene	1.500	1.755	-17.0	117	0.00	6.22
105		tert-butylbenzene	1.418	1.861	-31.2#	135	0.00	6.47
106		1,2,4-trimethylbenzene	1.531	1.644	-7.4	114	0.00	6.52
107		sec-butylbenzene	2.077	2.299	-10.7	112	0.00	6.61
108		1,3-dichlorobenzene	0.981	1.054	-7.4	113	0.00	6.77
109		p-isopropyltoluene	1.747	1.948	-11.5	111	0.00	6.72
110		1,4-dichlorobenzene	1.088	1.148	-5.5	114	0.00	6.84
111		1,2-dichlorobenzene	0.936	0.997	-6.5	116	0.00	7.15
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene	0.904	0.985	-9.0	110	0.00	7.04
114		1,2-dibromo-3-chloropropa	0.170	0.182	-7.1	117	0.00	7.72
115		1,3,5-trichlorobenzene	0.666	0.726	-9.0	116	0.00	7.75
116		1,2,4-trichlorobenzene	0.532	0.615	-15.6	119	0.00	8.19
117		hexachlorobutadiene	0.252	0.263	-4.4	111	0.00	8.18
118		naphthalene	1.489	1.721	-15.6	116	0.00	8.40
119		1,2,3-trichlorobenzene	0.513	0.581	-13.3	119	0.00	8.53
120		hexachloroethane	0.306	0.368	-20.3	118	0.00	7.14
121		benzyl chloride	0.218	0.226	-3.7	106	0.00	7.03
122		2-methylnaphthalene	0.497	0.566	-13.9	120	0.00	9.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2U49387.D M2U2005.M Tue Oct 25 17:35:38 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49399.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VU2005\2U49399.D Vial: 15
Acq On : 25 Oct 2022 1:03 am Operator: PrashanS
Sample : ICV2005-50 Inst : GCMS-U
Misc : MS63058,V2U2005,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2U2005.M (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 12:04:45 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	2.06
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	3.00
6		chlorodifluoromethane	0.362	0.364	-0.6	102	0.00	1.09
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.050	0.054	-8.0	111	0.00	2.19
20		iodomethane		----------NA----------				
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.105	0.104	1.0	101	0.00	2.33
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49399.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.464	0.480	-3.4	107	0.00	2.78
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.304	0.300	1.3	100	0.00	3.05
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	5.09
73	S	toluene-d8 (s)	1.184	1.246	-5.2	111	0.00	4.08
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.294	0.278	5.4	93	0.00	4.36
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49399.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.717	0.729	-1.7	107	0.00	5.97
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene	1.569	1.737	-10.7	107	0.00	6.86
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2U49387.D M2U2005.M Tue Oct 25 17:43:30 2022

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49407.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\VU2005\2U49407.D Vial: 22
Acq On : 25 Oct 2022 2:17 pm Operator: PrashanS
Sample : icv2005-50 Inst : GCMS-U
Misc : MS63058,V2U2005,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2U2005.M (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 12:04:45 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	2.07
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	3.00
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
20		iodomethane		----------NA----------				
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49407.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.464	0.454	2.2	106	0.00	2.78
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.304	0.315	-3.6	104	0.00	3.05
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	5.10
73	S	toluene-d8 (s)	1.184	1.176	0.7	107	0.00	4.08
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene		----------NA----------				
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V2U2005-ICV2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49407.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.717	0.706	1.5	108	0.00	5.97
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene	1.418	1.628	-14.8	115	0.00	6.47
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2U49387.D M2U2005.M Tue Oct 25 17:47:21 2022

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V2U2006-CC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49413.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\kr...022\v2u2006\2u49413.d Vial: 6
Acq On : 25 Oct 2022 4:27 pm Operator: edwardd
Sample : cc2005-20 Inst : GCMS-U
Misc : MS63339,V2U2006,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2U2005.M (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Oct 25 12:04:45 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	104	0.00	2.07
2	ethanol	0.061	0.061	0.0	99	0.01	1.67
3 M	tertiary butyl alcohol	0.599	0.571	4.7	90	0.00	2.10
4	1,4-dioxane	0.054	0.055	-1.9	102	0.00	3.71
5 I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	3.00
6	chlorodifluoromethane	0.362	0.303	16.3	86	0.01	1.10
7	dichlorodifluoromethane	0.376	0.279	25.8#	79	0.00	1.08
8	chloromethane	0.388	0.323	16.8	90	0.00	1.17
9	vinyl chloride	0.558	0.485	13.1	93	0.00	1.21
10	1,3-butadiene	0.402	0.338	15.9	89	0.01	1.22
11	bromomethane	1.018	0.912	10.4	96	0.00	1.36
	----------	True	Calc.	% Drift	----------		
12	chloroethane	20.000	18.623	6.9	93	0.00	1.42
	----------	AvgRF	CCRF	% Dev	----------		
13	trichlorofluoromethane	1.693	1.440	14.9	92	0.00	1.48
14	ethyl ether	0.317	0.274	13.6	99	0.00	1.62
15	acrolein	0.062	0.057	8.1	90	0.00	1.86
16	freon 113	0.331	0.272	17.8	88	0.00	1.73
17	1,1-dichloroethene	0.501	0.397	20.8#	91	0.00	1.71
18	acetone	0.042	0.064	-52.4#	151	0.00	1.98
19	acetonitrile	0.050	0.047	6.0	94	0.00	2.20
20	iodomethane		----------NA----------				
21	carbon disulfide	1.016	0.851	16.2	91	0.00	1.74
22	methylene chloride	0.295	0.269	8.8	93	0.00	1.97
23	methyl acetate	0.072	0.063	12.5	89	0.00	2.03
24	methyl tert butyl ether	0.772	0.655	15.2	95	0.00	2.08
25	trans-1,2-dichloroethene	0.407	0.327	19.7	94	0.00	2.04
26	hexane	0.701	0.588	16.1	94	0.00	2.07
27	di-isopropyl ether	0.866	0.690	20.3#	90	0.00	2.24
28	ethyl tert-butyl ether	0.738	0.651	11.8	96	0.00	2.41
29	2-butanone	0.058	0.063	-8.6	114	0.00	2.83
30 M	1,1-dichloroethane	0.516	0.437	15.3	90	0.00	2.32
31	chloroprene	0.406	0.315	22.4#	87	0.00	2.31
32	acrylonitrile	0.105	0.085	19.0	83	0.00	2.34
33	vinyl acetate	0.066	0.059	10.6	102	0.00	2.41
34	ethyl acetate	0.033	0.035	-6.1	107	0.00	2.73
35	2,2-dichloropropane	0.407	0.349	14.3	94	0.00	2.62
36	cis-1,2-dichloroethene	0.315	0.264	16.2	89	0.00	2.57
37	propionitrile	0.064	0.060	6.3	97	0.00	2.99

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V2U2006-CC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49413.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38		methyl acrylate	0.065	0.053	18.5	84	0.00	2.74
39		bromochloromethane	0.159	0.139	12.6	95	0.00	2.67
40		tetrahydrofuran	0.055	0.051	7.3	99	0.00	2.77
41		chloroform	0.160	0.179	-11.9	123	0.00	2.68
42	S	dibromofluoromethane (s)	0.464	0.465	-0.2	105	0.00	2.78
43		methacrylonitrile	0.176	0.159	9.7	96	0.00	3.00
44		1,1,1-trichloroethane	0.465	0.412	11.4	91	0.00	2.81
45		cyclohexane	0.449	0.401	10.7	94	0.00	2.68
46		1,1-dichloropropene	0.409	0.350	14.4	90	0.00	2.87
47		carbon tetrachloride	0.482	0.390	19.1	87	0.00	2.78
48		isobutyl alcohol	0.040	0.024	40.0#	65	0.00	3.03
49		tert-amyl alcohol	0.015	0.013	13.3	98	0.00	3.11
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	3.29
51	S	1,2-dichloroethane-d4 (s)	0.304	0.309	-1.6	104	0.00	3.06
52		iso-octane	0.882	0.796	9.8	93	0.00	2.92
53	M	benzene	0.932	0.800	14.2	92	0.00	2.99
54		tert-amyl methyl ether	0.566	0.487	14.0	89	0.00	3.03
55		heptane	0.152	0.122	19.7	90	0.00	2.95
56		isopropyl acetate	0.053	0.049	7.5	93	0.00	3.19
57		1,2-dichloroethane	0.243	0.201	17.3	99	0.00	3.09
58		n-butyl alcohol	0.009	0.009	0.0	97	0.00	3.42
59		ethyl acrylate	0.302	0.268	11.3	95	0.00	3.56
60		trichloroethene	0.268	0.225	16.0	88	0.00	3.29
61		2-nitropropane	0.071	0.067	5.6	103	0.00	4.25
62		2-chloroethyl vinyl ether	0.134	0.126	6.0	97	0.00	3.92
63		methyl methacrylate	0.059	0.053	10.2	86	0.00	3.67
64		1,2-dichloropropane	0.207	0.185	10.6	93	0.00	3.58
65		methylcyclohexane	0.292	0.238	18.5	88	0.00	3.30
66		dibromomethane	0.152	0.137	9.9	100	0.00	3.52
67		bromodichloromethane	0.279	0.247	11.5	97	0.00	3.60
68		epichlorohydrin	0.032	0.030	6.3	97	0.00	4.11
69		cis-1,3-dichloropropene	0.322	0.278	13.7	93	0.00	3.97
70		4-methyl-2-pentanone	0.109	0.096	11.9	89	0.00	4.34
71		3-methyl-1-butanol	0.008	0.008	0.0	99	0.00	4.19
72	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	5.09
73	S	toluene-d8 (s)	1.184	1.190	-0.5	103	0.00	4.08
74		toluene	0.549	0.468	14.8	91	0.00	4.12
75		ethyl methacrylate	0.277	0.254	8.3	97	0.00	4.46
76		trans-1,3-dichloropropene	0.307	0.266	13.4	95	0.00	4.36
77		1,1,2-trichloroethane	0.178	0.154	13.5	97	0.00	4.47
78		tetrachloroethene	0.294	0.256	12.9	93	0.00	4.36
79		2-hexanone	0.124	0.123	0.8	108	0.00	4.88
80		1,3-dichloropropane	0.326	0.280	14.1	94	0.00	4.65
81		butyl acetate	0.152	0.137	9.9	93	0.00	4.81
82		dibromochloromethane	0.267	0.217	18.7	94	0.00	4.59
83		1,2-dibromoethane	0.222	0.197	11.3	93	0.00	4.75
84		n-butyl ether	0.875	0.764	12.7	93	0.00	5.03
85		chlorobenzene	0.665	0.566	14.9	92	0.00	5.10
86		1,1,1,2-tetrachloroethane	0.229	0.195	14.8	91	0.00	5.15
87		ethylbenzene	1.134	0.941	17.0	95	0.00	5.12
88		m,p-xylene	0.425	0.362	14.8	93	0.00	5.22
89		o-xylene	0.405	0.320	21.0#	89	0.00	5.53
90		styrene	0.653	0.536	17.9	91	0.00	5.56
91		bromoform	0.207	0.186	10.1	104	0.00	5.58
92		butyl acrylate	0.392	0.363	7.4	97	0.00	5.65
93		isopropylbenzene	1.045	0.893	14.5	91	0.00	5.76
94		cis-1,4-dichloro-2-butene	0.101	0.096	5.0	102	0.00	6.01

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V2U2006-CC2005
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2U49413.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	6.83
96	S	4-bromofluorobenzene (s)	0.717	0.692	3.5	103	0.00	5.97
97		bromobenzene	0.541	0.448	17.2	93	0.00	6.05
98		1,1,2,2-tetrachloroethane	0.592	0.539	9.0	93	0.00	6.12
99		trans-1,4-dichloro-2-bute	0.156	0.134	14.1	96	0.00	6.25
100		1,2,3-trichloropropane	0.198	0.158	20.2#	95	0.00	6.22
101		n-propylbenzene	2.416	2.003	17.1	91	0.00	6.07
102		2-chlorotoluene	0.504	0.419	16.9	93	0.00	6.19
103		4-chlorotoluene	1.242	1.023	17.6	91	0.00	6.31
104		1,3,5-trimethylbenzene	1.500	1.304	13.1	95	0.00	6.22
105		tert-butylbenzene	1.418	1.205	15.0	94	0.00	6.47
106		1,2,4-trimethylbenzene	1.531	1.279	16.5	94	0.00	6.52
107		sec-butylbenzene	2.077	1.778	14.4	91	0.00	6.61
108		1,3-dichlorobenzene	0.981	0.843	14.1	90	0.00	6.77
109		p-isopropyltoluene	1.747	1.418	18.8	86	0.00	6.72
110		1,4-dichlorobenzene	1.088	0.884	18.8	92	0.00	6.84
111		1,2-dichlorobenzene	0.936	0.776	17.1	90	0.00	7.15
112		1,2,3-trimethylbenzene	1.569	1.249	20.4#	90	0.00	6.86
113		n-butylbenzene	0.904	0.771	14.7	95	0.00	7.04
114		1,2-dibromo-3-chloropropa	0.170	0.151	11.2	92	0.00	7.72
115		1,3,5-trichlorobenzene	0.666	0.586	12.0	96	0.00	7.75
116		1,2,4-trichlorobenzene	0.532	0.474	10.9	95	0.00	8.19
117		hexachlorobutadiene	0.252	0.212	15.9	88	0.00	8.18
118		naphthalene	1.489	1.303	12.5	94	0.00	8.40
119		1,2,3-trichlorobenzene	0.513	0.474	7.6	99	0.00	8.53
120		hexachloroethane	0.306	0.272	11.1	95	0.00	7.14
121		benzyl chloride	0.218	0.216	0.9	113	0.00	7.03
122		2-methylnaphthalene	0.497	0.412	17.1	92	0.00	9.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2U49385.D M2U2005.M Thu Oct 27 12:50:46 2022

Initial Calibration Summary

Job Number: JD54013 **Sample:** V3D7672-ICC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182424.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Response Factor Report MS3D

Method : C:\msdchem\1\METHODS\M3D7672.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Oct 07 14:43:20 2022
Last Update : Fri Oct 07 14:43:20 2022
Response via : Initial Calibration

Calibration Files
1 =3D182419.D 0.5 =3D182418.D 100 =3D182425.D 50 =3D182424.D
20 =3D182423.D 200 =3D182426.D 4 =3D182421.D 2 =3D182420.D
8 =3D182422.D 0.2 =3D182417.D = =

Compound

	1	0.5	100	50	20	200	4	2	8	0.2	Avg	%RSD
1)	tert butyl alcohol-d9 ----------ISTD----------											
2)	tertiary butyl alcohol											
	1.610	1.370	1.351	1.397	1.288	1.491	1.649	1.518			1.459	8.83
3)	ethanol											
	0.074	0.042	0.046	0.043		0.048	0.059	0.051			0.052	21.87
	----- Linear regression ----- Coefficient = 0.9982											
	Response Ratio = 0.00647 + 0.04282 *A											
4)	1,4-dioxane											
		0.045	0.047	0.039	0.043	0.038		0.042			0.042	7.87
5) I	pentafluorobenzene ----------ISTD----------											
6)	chlorodifluoromethane											
		0.514	0.542	0.589	0.463	0.583		0.613			0.551	10.14
7)	dichlorodifluoromethane											
	0.863	0.693	0.719	0.746	0.658	0.721	0.860	0.803			0.758	10.07
8)	chloromethane											
	0.814	0.588	0.643	0.688	0.540	0.711	0.822	0.745			0.694	14.53
9)	vinyl chloride											
	1.136	1.033	0.766	0.846	0.928	0.705	0.912	1.085	1.016		0.936	15.52
10)	1,3-butadiene This compound fails initial calibration criteria											
		0.458	0.511	0.577	0.408	0.686		0.620			0.543	19.11
11)	bromomethane											
	0.603	0.493	0.451	0.459	0.520	0.397	0.487	0.444			0.482	12.75
12)	chloroethane											
	0.699	0.469	0.492	0.537	0.470	0.527	0.609	0.586			0.549	14.40
13)	trichlorofluoromethane											
	0.934	0.989	0.780	0.811	0.842	0.747	0.826	0.971	0.869	0.820	0.859	9.46
14)	ethyl ether											
	0.336	0.296	0.281	0.280	0.282	0.275	0.276	0.325	0.313	0.338	0.300	8.48
15)	acrolein											
		0.083	0.082	0.073	0.080	0.070		0.073			0.077	7.30
16)	freon 113											
	0.415	0.333	0.360	0.356	0.369	0.364	0.390	0.428	0.383	0.455	0.385	9.67
17)	1,1-dichloroethene											
	0.416	0.361	0.358	0.376	0.354	0.438	0.440	0.412			0.394	9.18
18)	acetone											
	0.075	0.052	0.060	0.061	0.054	0.072	0.070	0.069			0.064	13.59
19)	acetonitrile											
		0.047	0.053	0.049	0.044	0.063		0.061			0.053	14.44
20)	iodomethane This compound fails initial calibration criteria											
		0.565	0.499	0.359	0.596	0.227	0.187	0.264			0.385	43.59

Initial Calibration Summary

Job Number: JD54013 **Sample:** V3D7672-ICC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182424.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

21) carbon disulfide
1.377 1.025 1.050 1.112 0.969 1.173 1.316 1.163 1.148 12.32
22) methylene chloride
0.629 0.432 0.441 0.450 0.422 0.482 0.549 0.505 0.489 14.49
23) methyl acetate
0.487 0.382 0.417 0.415 0.374 0.458 0.485 0.441 0.432 9.92
24) methyl tert butyl ether
1.523 1.610 1.328 1.374 1.395 1.232 1.510 1.663 1.449 1.662 1.475 9.85
25) trans-1,2-dichloroethene
0.506 0.441 0.408 0.416 0.419 0.401 0.439 0.539 0.443 0.446 10.43
26) di-isopropyl ether
1.501 1.283 1.323 1.387 1.164 1.513 1.770 1.483 1.428 12.85
27) 2-butanone
0.095 0.088 0.075 0.078 0.079 0.075 0.090 0.092 0.080 0.084 9.18
28) 1,1-dichloroethane
0.903 0.729 0.747 0.773 0.701 0.789 0.937 0.783 0.795 10.42
29) chloroprene
0.765 0.686 0.623 0.624 0.656 0.593 0.639 0.742 0.656 0.773 0.676 9.40
30) acrylonitrile
0.196 0.197 0.200 0.192 0.194 0.205 0.197 2.45
31) hexane
0.382 0.412 0.328 0.311 0.324 0.309 0.340 0.333 0.329 0.341 10.00
32) vinyl acetate
0.127 0.126 0.123 0.113 0.117 0.115 0.150 0.106 0.122 10.86
33) ethyl tert-butyl ether
1.457 1.581 1.326 1.343 1.366 1.223 1.394 1.567 1.453 1.551 1.426 8.23
34) ethyl acetate
0.092 0.094 0.082 0.091 0.110 0.105 0.096 10.76
35) 2,2-dichloropropane
0.702 0.797 0.664 0.656 0.656 0.650 0.657 0.740 0.658 0.850 0.703 10.02
36) cis-1,2-dichloroethene
0.531 0.589 0.479 0.468 0.467 0.479 0.537 0.543 0.495 0.530 0.512 7.86
37) methyl acrylate
0.093 0.089 0.089 0.093 0.089 0.101 0.092 4.96
38) propionitrile
0.062 0.067 0.064 0.060 0.081 0.074 0.068 11.59
39) bromochloromethane
0.324 0.261 0.250 0.247 0.260 0.239 0.267 0.251 0.262 10.05
40) tetrahydrofuran
0.164 0.181 0.182 0.165 0.207 0.240 0.189 0.190 14.04
41) chloroform
0.652 0.532 0.526 0.543 0.506 0.599 0.631 0.572 0.570 9.24
42) t-butyl formate This compound fails initial calibration criteria
0.260 0.266 0.249 0.225 0.263 0.229 0.263 0.208 0.245 8.87
43) dibromofluoromethane (s)
0.466 0.475 0.474 0.469 0.475 0.485 0.466 0.482 0.462 0.463 0.472 1.67
44) methacrylonitrile
0.234 0.237 0.238 0.241 0.234 0.284 0.211 0.240 9.07
45) 1,1,1-trichloroethane
0.845 0.875 0.737 0.736 0.720 0.707 0.732 0.873 0.724 0.772 9.09
46) cyclohexane
0.813 0.791 0.757 0.741 0.724 0.749 0.748 0.758 0.751 0.987 0.782 9.76
47) 1,1-dichloropropene
0.692 0.750 0.610 0.609 0.611 0.592 0.632 0.699 0.630 0.645 0.647 7.81
48) iso-butyl alcohol
0.017 0.018 0.016 0.017 0.017 0.019 0.017 7.17
49) carbon tetrachloride
0.699 0.722 0.665 0.656 0.647 0.658 0.577 0.754 0.646 0.691 0.671 7.22
50) tert amyl alcohol
0.025 0.019 0.021 0.019 0.018 0.027 0.026 0.023 0.022 15.81

51) I 1,4-difluorobenzene ----------ISTD----------

52) 1,2-dichloroethane-d4 (s)
0.396 0.396 0.374 0.367 0.383 0.372 0.393 0.396 0.394 0.389 0.386 2.91

53) n-butyl alcohol
0.006 0.005 0.006 0.006 0.005 0.005 0.006 0.006 0.006 0.006# 8.14

54) 2,2,4-trimethylpentane
0.926 1.074 0.817 0.813 0.884 0.747 0.893 0.975 0.903 0.892 10.79

55) benzene
1.367 1.429 1.108 1.144 1.180 0.997 1.292 1.407 1.222 1.238 11.84

56) tert-amyl methyl ether
0.275 0.282 0.252 0.240 0.243 0.255 0.234 0.259 0.246 0.254 6.29

57) heptane
0.243 0.223 0.213 0.213 0.208 0.229 0.254 0.214 0.225 7.35

58) isopropyl acetate
0.113 0.096 0.091 0.089 0.097 0.087 0.099 0.096 0.096 8.40

59) 1,2-dichloroethane
0.594 0.438 0.445 0.470 0.407 0.527 0.587 0.501 0.496 13.93

60) trichloroethene
0.435 0.452 0.360 0.349 0.351 0.357 0.333 0.372 0.385 0.377 10.76

61) ethyl acrylate
0.485 0.438 0.455 0.467 0.411 0.468 0.472 0.464 0.457 5.06

62) 2-nitropropane
0.094 0.109 0.104 0.097 0.112 0.099 0.113 0.088 0.102 8.91

63) 2-chloroethyl vinyl ether
0.204 0.189 0.192 0.201 0.208 0.181 0.213 0.222 0.205 0.226 0.204 6.98

64) methyl methacrylate
0.130 0.112 0.105 0.101 0.118 0.125 0.135 0.106 0.117 10.80

65) 1,2-dichloropropane
0.309 0.396 0.314 0.313 0.312 0.307 0.340 0.361 0.320 0.330 9.19

66) dibromomethane
0.255 0.214 0.210 0.211 0.211 0.224 0.282 0.212 0.228 11.71

67) methylcyclohexane
0.622 0.493 0.553 0.536 0.558 0.537 0.544 0.599 0.568 0.619 0.563 7.20

68) bromodichloromethane
0.519 0.549 0.455 0.450 0.445 0.430 0.430 0.481 0.463 0.469 8.71

69) epichlorohydrin
0.038 0.032 0.033 0.034 0.031 0.032 0.037 0.042 0.031 0.034 10.70

70) cis-1,3-dichloropropene
0.446 0.453 0.518 0.514 0.497 0.494 0.476 0.510 0.488 0.615 0.501 9.32

71) 4-methyl-2-pentanone
0.169 0.158 0.145 0.153 0.156 0.137 0.168 0.192 0.163 0.160 9.80

72) 3-methyl-1-butanol
0.013 0.012 0.012 0.013 0.012 0.012 0.014 0.014 0.012 0.013 6.66

73) I chlorobenzene-d5 ----------ISTD----------

74) toluene-d8 (s)
1.251 1.252 1.212 1.221 1.223 1.212 1.258 1.254 1.258 1.275 1.242 1.80

75) toluene
0.876 0.967 0.786 0.786 0.787 0.722 0.824 0.922 0.841 0.834 9.15

76) trans-1,3-dichloropropene
0.486 0.411 0.513 0.491 0.460 0.480 0.451 0.463 0.444 0.472 0.467 6.07

77) ethyl methacrylate
0.475 0.485 0.470 0.441 0.482 0.536 0.489 0.483 5.94

78) 1,1,2-trichloroethane
0.242 0.270 0.256 0.248 0.252 0.241 0.258 0.290 0.257 0.326 0.264 9.89

79) tetrachloroethene
0.339 0.389 0.288 0.291 0.293 0.273 0.304 0.341 0.317 0.315 11.47

80) 1,3-dichloropropane
0.618 0.623 0.508 0.518 0.523 0.479 0.550 0.647 0.527 0.555 10.72

Initial Calibration Summary

Job Number: JD54013 **Sample:** V3D7672-ICC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182424.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

81) 2-hexanone
0.179 0.158 0.144 0.156 0.160 0.132 0.174 0.187 0.173 0.168 0.163 10.15
82) butyl acetate
0.260 0.292 0.243 0.250 0.245 0.229 0.243 0.311 0.253 0.258 10.17
83) dibromochloromethane
0.334 0.386 0.381 0.368 0.337 0.372 0.360 0.380 0.365 0.433 0.372 7.51
84) 1,2-dibromoethane
0.341 0.400 0.331 0.331 0.318 0.314 0.352 0.346 0.309 0.381 0.342 8.55
85) n-butyl ether
1.382 1.473 1.200 1.280 1.314 1.021 1.335 1.446 1.388 1.180 1.302 10.55
86) chlorobenzene
0.955 1.045 0.882 0.898 0.904 0.789 0.942 0.990 0.941 0.927 7.76
87) 1,1,1,2-tetrachloroethane
0.304 0.368 0.343 0.325 0.381 0.312 0.357 0.331 0.340 8.01
88) ethylbenzene
1.778 1.682 1.385 1.461 1.533 1.179 1.725 1.806 1.688 1.889 1.613 13.60
89) m,p-xylene
0.688 0.680 0.603 0.605 0.622 0.546 0.661 0.731 0.650 0.592 0.638 8.52
90) o-xylene
0.650 0.711 0.634 0.628 0.603 0.602 0.669 0.717 0.631 0.818 0.666 9.97
91) styrene
1.035 1.044 1.038 1.047 1.024 0.918 1.055 1.157 1.080 1.282 1.068 8.91
92) bromoform
0.214 0.287 0.265 0.233 0.281 0.217 0.262 0.235 0.249 11.33
93) butyl acrylate
0.576 0.508 0.678 0.692 0.653 0.603 0.599 0.649 0.651 0.653 0.626 8.78
94) n-amyl acetate
0.251 0.256 0.300 0.291 0.278 0.285 0.242 0.263 0.271 0.270 0.271 6.78
95) isopropylbenzene
1.725 1.645 1.479 1.542 1.581 1.223 1.676 1.764 1.743 1.598 10.65
96) cis-1,4-dichloro-2-butene
0.175 0.158 0.136 0.172 0.099 0.115 0.143 21.84
----- Linear regression ----- Coefficient = 0.9983
Response Ratio = -0.00803 + 0.17334 *A

97) I 1,4-dichlorobenzene-d ----------ISTD----------
98) 4-bromofluorobenzene (s)
0.969 0.969 0.961 0.949 0.958 0.914 0.980 0.970 0.983 0.958 0.961 2.02
99) bromobenzene
0.988 0.922 0.798 0.796 0.805 0.737 0.903 0.913 0.866 0.985 0.871 9.78
100) 1,1,2,2-tetrachloroethane
0.912 1.019 0.840 0.871 0.886 0.769 0.972 1.000 0.883 0.906 8.83
101) trans-1,4-dichloro-2-butene
0.234 0.233 0.217 0.229 0.201 0.176 0.195 0.212 10.46
102) 1,2,3-trichloropropane
0.366 0.280 0.282 0.291 0.262 0.350 0.365 0.299 0.312 13.36
103) n-propylbenzene
4.197 4.366 3.224 3.553 3.782 2.604 4.151 4.101 4.022 3.778 14.98
104) 2-chlorotoluene
0.942 0.906 0.822 0.811 0.842 0.743 0.868 0.964 0.847 0.860 7.98
105) 4-chlorotoluene
0.931 0.839 0.835 0.857 0.768 0.901 0.926 0.884 0.868 6.28
106) 1,3,5-trimethylbenzene
2.832 2.522 2.394 2.500 2.618 2.007 2.645 2.946 2.687 2.572 10.53
107) tert-butylbenzene
0.766 0.727 0.662 0.636 0.640 0.621 0.692 0.645 0.647 0.656 0.669 6.83
108) 1,2,4-trimethylbenzene
3.108 2.689 2.426 2.539 2.652 2.045 2.880 2.784 2.827 2.650 2.660 10.79
109) sec-butylbenzene

Initial Calibration Summary

Job Number: JD54013 **Sample:** V3D7672-ICC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182424.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

```
       3.516 2.968 2.976 3.180 3.290 2.468 3.494 3.352 3.558 3.412  3.221   10.48
110)  1,3-dichlorobenzene
       1.613 1.612 1.489 1.523 1.533 1.339 1.590 1.720 1.612 1.472  1.550    6.72
111)  p-isopropyltoluene
       2.775 2.732 2.571 2.688 2.810 2.157 2.942 3.134 2.909 2.775  2.749    9.41
112)  1,4-dichlorobenzene
       1.777       1.486 1.486 1.544 1.336 1.472 1.761 1.513        1.547    9.69
113)  1,2,3-trimethylbenzene
       2.992       2.412 2.556 2.607 2.053 2.793 2.984 2.776        2.647   11.85
114)  benzyl chloride
                   1.495 1.478 1.243 1.379 1.086 0.959 1.103        1.249   16.72
115)  1,2-dichlorobenzene
       1.470       1.404 1.443 1.419 1.283 1.574 1.614 1.543        1.469    7.26
116)  n-butylbenzene
       1.210 1.132 1.302 1.321 1.327 1.186 1.216 1.303 1.341 1.439  1.278    7.08
117)  1,2-dibromo-3-chloropropane
       0.224 0.245 0.232 0.222 0.206 0.224 0.193 0.208 0.192        0.216    8.16
118)  1,3,5-trichlorobenzene
       1.046 0.780 0.931 0.927 0.957 0.877 0.971 0.977 0.989        0.939    8.10
119)  1,2,4-trichlorobenzene
       0.725 0.750 0.767 0.781 0.753 0.753 0.766 0.738 0.767 0.870  0.767    5.15
120)  hexachlorobutadiene
       0.337       0.297 0.294 0.284 0.285 0.328 0.332 0.276        0.304    7.93
121)  naphthalene
       2.187 2.157 2.091 2.221 2.222 1.887 2.143 2.141 2.150 2.426  2.163    6.15
122)  1,2,3-trichlorobenzene
       0.591 0.623 0.655 0.643 0.618 0.651 0.637 0.597 0.618 0.749  0.638    6.92
123)  hexachloroethane
                   0.421 0.384 0.352 0.416 0.307 0.332 0.335        0.364   12.09
124)  2-methylnaphthalene
       0.707       0.865 0.817 0.722 0.934 0.607 0.765 0.618        0.754   15.21
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3D7672.M         Fri Oct 07 14:48:19 2022   3D
```

Initial Calibration Verification

Job Number: JD54013 **Sample:** V3D7672-ICV7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182429.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3D7672\3D182429.D Vial: 14
Acq On : 6 Oct 2022 3:05 am Operator: PrashanS
Sample : ICV7672-50 Inst : MS3D
Misc : MS62591,V3D7672,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7672.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Oct 07 14:43:20 2022
Last Update : Fri Oct 07 14:43:20 2022
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	108	0.00	2.87
2 M	tertiary butyl alcohol	1.459	1.409	3.4	112	0.00	2.93
	----------	True	Calc.	% Drift	----------		
3	ethanol	5000.000	5244.268	-4.9	107	0.00	2.32
	----------	AvgRF	CCRF	% Dev	----------		
4 M	1,4-dioxane	0.042	0.042	0.0	96	0.00	5.04
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	4.07
6	chlorodifluoromethane	----------NA----------					
7 M	dichlorodifluoromethane	0.758	0.709	6.5	102	0.00	1.53
8 M	chloromethane	0.694	0.640	7.8	103	0.00	1.67
9 M	vinyl chloride	0.936	0.858	8.3	105	0.00	1.75
10	1,3-butadiene	0.543	0.800	-47.3#	163	0.00	1.78
11 M	bromomethane	0.482	0.549	-13.9	127	0.00	1.99
12 M	chloroethane	0.549	0.531	3.3	112	0.00	2.06
13 M	trichlorofluoromethane	0.859	0.818	4.8	105	0.00	2.24
14 M	ethyl ether	0.300	0.298	0.7	111	0.00	2.42
15 M	acrolein	0.077	0.089	-15.6	113	0.00	2.50
16	freon 113	0.385	0.370	3.9	108	0.00	2.59
17 M	1,1-dichloroethene	0.394	0.384	2.5	112	0.00	2.59
18 M	acetone	0.064	0.055	14.1	95	0.00	2.59
19 M	acetonitrile	0.053	0.051	3.8	100	0.00	2.76
20 M	iodomethane	0.385	0.416	-8.1	87	0.00	2.69
21 M	carbon disulfide	1.148	1.113	3.0	110	0.00	2.75
22 M	methylene chloride	0.489	0.449	8.2	106	0.00	2.90
23 M	methyl acetate	0.432	0.467	-8.1	116	0.00	2.79
24 M	methyl tert butyl ether	1.475	1.442	2.2	109	0.00	3.07
25 M	trans-1,2-dichloroethene	0.446	0.427	4.3	107	0.00	3.08
26 M	di-isopropyl ether	1.428	1.389	2.7	109	0.00	3.37
27 M	2-butanone	0.084	0.078	7.1	105	0.00	3.71
28 M	1,1-dichloroethane	0.795	0.774	2.6	108	0.00	3.36
29 M	chloroprene	0.676	0.666	1.5	111	0.00	3.42
30 M	acrylonitrile	0.197	0.202	-2.5	106	0.00	3.03
31	hexane	0.341	0.338	0.9	113	0.00	3.26
32 M	vinyl acetate	0.122	0.102	16.4	86	0.00	3.34
33 M	ethyl tert-butyl ether	1.426	1.380	3.2	107	0.00	3.61
34 M	ethyl acetate	0.096	0.101	-5.2	112	0.00	3.73
35 M	2,2-dichloropropane	0.703	0.663	5.7	105	0.00	3.75
36 M	cis-1,2-dichloroethene	0.512	0.484	5.5	108	0.00	3.74
37	methyl acrylate	0.092	0.096	-4.3	112	0.00	3.77

Initial Calibration Verification

Job Number: JD54013 **Sample:** V3D7672-ICV7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182429.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	M	propionitrile	0.068	0.064	5.9	99	0.00	3.75
39	M	bromochloromethane	0.262	0.263	-0.4	109	0.00	3.90
40	M	tetrahydrofuran	0.190	0.186	2.1	107	0.00	3.92
41	M	chloroform	0.570	0.568	0.4	112	0.00	3.96
42	M	t-butyl formate	0.245	0.166	32.2#	70	0.00	3.98
43	S	dibromofluoromethane (s)	0.472	0.473	-0.2	105	0.00	4.07
44	M	methacrylonitrile	0.240	0.247	-2.9	108	0.00	3.86
45	M	1,1,1-trichloroethane	0.772	0.763	1.2	108	0.00	4.10
46		cyclohexane	0.782	0.756	3.3	106	0.00	4.17
47		1,1-dichloropropene	0.647	0.621	4.0	106	0.00	4.21
48		iso-butyl alcohol	0.017	0.019	-11.8	106	0.00	4.21
49		carbon tetrachloride	0.671	0.680	-1.3	108	0.00	4.22
50		tert amyl alcohol	0.022	0.021	4.5	100	0.00	4.30
51	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.386	0.372	3.6	107	0.00	4.31
53	M	n-butyl alcohol	0.006	0.006#	0.0	110	0.00	4.68
54		2,2,4-trimethylpentane	0.892	0.811	9.1	105	0.00	4.43
55	M	benzene	1.238	1.146	7.4	106	0.00	4.35
56	M	tert-amyl methyl ether	0.254	0.234	7.9	103	0.00	4.42
57	M	heptane	0.225	0.233	-3.6	115	0.00	4.54
58	M	isopropyl acetate	0.096	0.097	-1.0	113	0.00	4.32
59	M	1,2-dichloroethane	0.496	0.443	10.7	105	0.00	4.37
60	M	trichloroethene	0.377	0.360	4.5	109	0.00	4.82
61		ethyl acrylate	0.457	0.442	3.3	102	0.00	4.84
62	M	2-nitropropane	0.102	0.107	-4.9	109	0.00	5.34
63	M	2-chloroethyl vinyl ether	0.204	0.172	15.7	90	0.00	5.39
64	M	methyl methacrylate	0.117	0.113	3.4	114	0.00	5.01
65	M	1,2-dichloropropane	0.330	0.305	7.6	103	0.00	5.01
66	M	dibromomethane	0.228	0.215	5.7	108	0.00	5.07
67	M	methylcyclohexane	0.563	0.551	2.1	109	0.00	5.01
68	M	bromodichloromethane	0.469	0.448	4.5	105	0.00	5.20
69		epichlorohydrin	0.034	0.034	0.0	106	0.00	5.43
70	M	cis-1,3-dichloropropene	0.501	0.518	-3.4	106	0.00	5.53
71	M	4-methyl-2-pentanone	0.160	0.153	4.4	105	0.00	5.63
72	M	3-methyl-1-butanol	0.013	0.014	-7.7	112	0.00	5.65
73	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	7.00
74	S	toluene-d8 (s)	1.242	1.199	3.5	104	0.00	5.76
75		toluene	0.834	0.790	5.3	107	0.00	5.82
76		trans-1,3-dichloropropene	0.467	0.497	-6.4	107	0.00	5.98
77		ethyl methacrylate	0.483	0.465	3.7	102	0.00	6.01
78		1,1,2-trichloroethane	0.264	0.257	2.7	110	0.00	6.15
79	M	tetrachloroethene	----------	----------	NA	----------		
80	M	1,3-dichloropropane	0.555	0.521	6.1	107	0.00	6.29
81		2-hexanone	0.163	0.151	7.4	103	0.00	6.31
82	M	butyl acetate	0.258	0.255	1.2	108	0.00	6.41
83	M	dibromochloromethane	0.372	0.374	-0.5	108	0.00	6.48
84	M	1,2-dibromoethane	0.342	0.331	3.2	106	0.00	6.59
85		n-butyl ether	1.302	1.237	5.0	102	0.00	7.09
86	M	chlorobenzene	0.927	0.892	3.8	105	0.00	7.03
87	M	1,1,1,2-tetrachloroethane	0.340	0.351	-3.2	109	0.00	7.10
88	M	ethylbenzene	1.613	1.451	10.0	105	0.00	7.10
89	M	m,p-xylene	0.638	0.609	4.5	107	0.00	7.22
90	M	o-xylene	0.666	0.623	6.5	105	0.00	7.57
91	M	styrene	1.068	1.030	3.6	104	0.00	7.59
92	M	bromoform	0.249	0.265	-6.4	106	0.00	7.76
93		butyl acrylate	0.626	0.684	-9.3	105	0.00	7.50
94		n-amyl acetate	0.271	0.291	-7.4	106	0.00	7.71
95		isopropylbenzene	1.598	1.537	3.8	106	0.00	7.91

Initial Calibration Verification

Job Number: JD54013 **Sample:** V3D7672-ICV7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182429.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
96		cis-1,4-dichloro-2-butene	50.000	45.444	9.1	100	0.00	7.95

			AvgRF	CCRF	% Dev			
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.961	0.944	1.8	104	0.00	8.07
99	M	bromobenzene	0.871	0.817	6.2	107	0.00	8.22
100	M	1,1,2,2-tetrachloroethane	0.906	0.899	0.8	108	0.00	8.18
101	M	trans-1,4-dichloro-2-bute	0.212	0.243	-14.6	109	0.00	8.22
102	M	1,2,3-trichloropropane	0.312	0.292	6.4	108	0.00	8.24
103	M	n-propylbenzene	3.778	3.553	6.0	105	0.00	8.31
104	M	2-chlorotoluene	0.860	0.815	5.2	105	0.00	8.40
105	M	4-chlorotoluene	0.868	0.840	3.2	105	0.00	8.51
106	M	1,3,5-trimethylbenzene	2.572	2.525	1.8	106	0.00	8.48
107	M	tert-butylbenzene	0.669	0.702	-4.9	116	0.00	8.78
108	M	1,2,4-trimethylbenzene	2.660	2.525	5.1	104	0.00	8.84
109	M	sec-butylbenzene	3.221	3.218	0.1	106	0.00	8.99
110	M	1,3-dichlorobenzene	1.550	1.517	2.1	104	0.00	9.12
111	M	p-isopropyltoluene	2.749	2.690	2.1	105	0.00	9.14
112	M	1,4-dichlorobenzene	1.547	1.485	4.0	105	0.00	9.21
113		1,2,3-trimethylbenzene		----------NA----------				
114		benzyl chloride	1.249	1.353	-8.3	96	0.00	9.32
115	M	1,2-dichlorobenzene	1.469	1.416	3.6	103	0.00	9.56
116	M	n-butylbenzene	1.278	1.272	0.5	101	0.00	9.54
117	M	1,2-dibromo-3-chloropropa	0.216	0.233	-7.9	110	0.00	10.32
118		1,3,5-trichlorobenzene	0.939	0.927	1.3	105	0.00	10.52
119	M	1,2,4-trichlorobenzene	0.767	0.760	0.9	102	0.00	11.15
120	M	hexachlorobutadiene	0.304	0.295	3.0	105	0.00	11.30
121	M	naphthalene	2.163	2.234	-3.3	105	0.00	11.40
122	M	1,2,3-trichlorobenzene	0.638	0.643	-0.8	105	0.00	11.63
123	m	hexachloroethane	0.364	0.412	-13.2	112	0.00	9.84
124		2-methylnaphthalene	0.754	0.814	-8.0	104	0.00	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D182424.D M3D7672.M Fri Oct 07 14:50:05 2022 3D

Initial Calibration Verification

Job Number: JD54013 **Sample:** V3D7672-ICV7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182430.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3D7672\3D182430.D Vial: 15
Acq On : 6 Oct 2022 3:28 am Operator: PrashanS
Sample : ICV7672-50 Inst : MS3D
Misc : MS62591,V3D7672,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7672.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Oct 06 09:54:13 2022
Last Update : Thu Oct 06 09:54:13 2022
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	122	0.00	2.87
2 M	tertiary butyl alcohol		----------NA----------				
	---------- True Calc. % Drift ----------						
3	ethanol		----------NA----------				
	---------- AvgRF CCRF % Dev ----------						
4 M	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	4.07
6	chlorodifluoromethane	0.551	0.645	-17.1	130	0.00	1.54
7 M	dichlorodifluoromethane		----------NA----------				
8 M	chloromethane		----------NA----------				
9 M	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11 M	bromomethane		----------NA----------				
12 M	chloroethane		----------NA----------				
13 M	trichlorofluoromethane		----------NA----------				
14 M	ethyl ether		----------NA----------				
15 M	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17 M	1,1-dichloroethene		----------NA----------				
18 M	acetone		----------NA----------				
19 M	acetonitrile	0.053	0.054	-1.9	111	0.00	2.76
20 M	iodomethane		----------NA----------				
21 M	carbon disulfide		----------NA----------				
22 M	methylene chloride		----------NA----------				
23 M	methyl acetate		----------NA----------				
24 M	methyl tert butyl ether		----------NA----------				
25 M	trans-1,2-dichloroethene		----------NA----------				
26 M	di-isopropyl ether		----------NA----------				
27 M	2-butanone		----------NA----------				
28 M	1,1-dichloroethane		----------NA----------				
29 M	chloroprene		----------NA----------				
30 M	acrylonitrile	0.197	0.166	15.7	92	0.00	3.03
31	hexane		----------NA----------				
32 M	vinyl acetate		----------NA----------				
33 M	ethyl tert-butyl ether		----------NA----------				
34 M	ethyl acetate		----------NA----------				
35 M	2,2-dichloropropane		----------NA----------				
36 M	cis-1,2-dichloroethene		----------NA----------				
37	methyl acrylate		----------NA----------				

Initial Calibration Verification

Job Number: JD54013 **Sample:** V3D7672-ICV7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182430.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	M	propionitrile		----------NA----------					
39	M	bromochloromethane		----------NA----------					
40	M	tetrahydrofuran		----------NA----------					
41	M	chloroform		----------NA----------					
42	M	t-butyl formate		----------NA----------					
43	S	dibromofluoromethane (s)	0.472	0.467	1.1	109	0.00	4.07	
44	M	methacrylonitrile		----------NA----------					
45	M	1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		iso-butyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50		tert amyl alcohol		----------NA----------					
51	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	4.62	
52	S	1,2-dichloroethane-d4 (s)	0.386	0.382	1.0	108	0.00	4.31	
53	M	n-butyl alcohol		----------NA----------					
54		2,2,4-trimethylpentane		----------NA----------					
55	M	benzene		----------NA----------					
56	M	tert-amyl methyl ether		----------NA----------					
57	M	heptane		----------NA----------					
58	M	isopropyl acetate		----------NA----------					
59	M	1,2-dichloroethane		----------NA----------					
60	M	trichloroethene		----------NA----------					
61		ethyl acrylate		----------NA----------					
62	M	2-nitropropane		----------NA----------					
63	M	2-chloroethyl vinyl ether		----------NA----------					
64	M	methyl methacrylate		----------NA----------					
65	M	1,2-dichloropropane		----------NA----------					
66	M	dibromomethane		----------NA----------					
67	M	methylcyclohexane		----------NA----------					
68	M	bromodichloromethane		----------NA----------					
69		epichlorohydrin		----------NA----------					
70	M	cis-1,3-dichloropropene		----------NA----------					
71	M	4-methyl-2-pentanone		----------NA----------					
72	M	3-methyl-1-butanol		----------NA----------					
73	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	7.00	
74	S	toluene-d8 (s)	1.242	1.258	-1.3	103	0.00	5.76	
75		toluene		----------NA----------					
76		trans-1,3-dichloropropene		----------NA----------					
77		ethyl methacrylate		----------NA----------					
78		1,1,2-trichloroethane		----------NA----------					
79	M	tetrachloroethene	0.315	0.293	7.0	101	0.00	6.26	
80	M	1,3-dichloropropane		----------NA----------					
81		2-hexanone		----------NA----------					
82	M	butyl acetate		----------NA----------					
83	M	dibromochloromethane		----------NA----------					
84	M	1,2-dibromoethane		----------NA----------					
85		n-butyl ether		----------NA----------					
86	M	chlorobenzene		----------NA----------					
87	M	1,1,1,2-tetrachloroethane		----------NA----------					
88	M	ethylbenzene		----------NA----------					
89	M	m,p-xylene		----------NA----------					
90	M	o-xylene		----------NA----------					
91	M	styrene		----------NA----------					
92	M	bromoform		----------NA----------					
93		butyl acrylate		----------NA----------					
94		n-amyl acetate		----------NA----------					
95		isopropylbenzene		----------NA----------					

Initial Calibration Verification

Job Number: JD54013 **Sample:** V3D7672-ICV7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D182430.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

				True	Calc.	% Drift		
96		cis-1,4-dichloro-2-butene			NA			

			AvgRF	CCRF	% Dev			
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.961	0.973	-1.2	100	0.00	8.07
99	M	bromobenzene			NA			
100	M	1,1,2,2-tetrachloroethane			NA			
101	M	trans-1,4-dichloro-2-bute			NA			
102	M	1,2,3-trichloropropane			NA			
103	M	n-propylbenzene			NA			
104	M	2-chlorotoluene			NA			
105	M	4-chlorotoluene			NA			
106	M	1,3,5-trimethylbenzene			NA			
107	M	tert-butylbenzene			NA			
108	M	1,2,4-trimethylbenzene			NA			
109	M	sec-butylbenzene			NA			
110	M	1,3-dichlorobenzene			NA			
111	M	p-isopropyltoluene			NA			
112	M	1,4-dichlorobenzene			NA			
113		1,2,3-trimethylbenzene	2.647	2.731	-3.2	104	0.00	9.24
114		benzyl chloride			NA			
115	M	1,2-dichlorobenzene			NA			
116	M	n-butylbenzene			NA			
117	M	1,2-dibromo-3-chloropropa			NA			
118		1,3,5-trichlorobenzene			NA			
119	M	1,2,4-trichlorobenzene			NA			
120	M	hexachlorobutadiene			NA			
121	M	naphthalene			NA			
122	M	1,2,3-trichlorobenzene			NA			
123	m	hexachloroethane			NA			
124		2-methylnaphthalene			NA			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D182424.D M3D7672.M Thu Oct 06 16:30:25 2022 3D

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7704-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183164.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\lu...22\v3d7704\3d183164.d Vial: 31
Acq On : 21 Oct 2022 9:16 pm Operator: kylem
Sample : CC7672-50 Inst : MS3D
Misc : MS63162,V3D7704,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7672.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Oct 07 14:43:20 2022
Last Update : Fri Oct 07 14:43:20 2022
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	84	0.00	2.87
2 M	tertiary butyl alcohol	1.459	1.416	2.9	88	0.00	2.92
	----------	True	Calc.	% Drift	----------		
3	ethanol	5000.000	5890.418	-17.8	94	0.00	2.33
	----------	AvgRF	CCRF	% Dev	----------		
4 M	1,4-dioxane	0.042	0.041	2.4	73	0.00	5.04
5 I	pentafluorobenzene	1.000	1.000	0.0	77	0.00	4.07
6	chlorodifluoromethane	0.551	0.556	-0.9	79	0.00	1.54
7 M	dichlorodifluoromethane	0.758	0.682	10.0	73	0.00	1.53
8 M	chloromethane	0.694	0.543	21.8#	65	0.00	1.67
9 M	vinyl chloride	0.936	0.687	26.6#	62	0.00	1.75
10	1,3-butadiene	0.543	0.529	2.6	79	0.00	1.78
11 M	bromomethane	0.482	0.252	47.7#	43#	0.00	1.99
12 M	chloroethane	0.549	0.386	29.7#	60	0.00	2.06
13 M	trichlorofluoromethane	0.859	0.774	9.9	73	0.00	2.24
14 M	ethyl ether	0.300	0.290	3.3	79	0.00	2.42
15 M	acrolein	0.077	0.084	-9.1	78	0.00	2.50
16	freon 113	0.385	0.325	15.6	70	0.00	2.59
17 M	1,1-dichloroethene	0.394	0.356	9.6	76	0.00	2.59
18 M	acetone	0.064	0.053	17.2	68	0.00	2.59
19 M	acetonitrile	0.053	0.063	-18.9	91	0.00	2.76
20 M	iodomethane	0.385	0.293	23.9#	45#	0.00	2.69
21 M	carbon disulfide	1.148	1.048	8.7	76	0.00	2.75
22 M	methylene chloride	0.489	0.428	12.5	74	0.00	2.90
23 M	methyl acetate	0.432	0.486	-12.5	89	0.00	2.79
24 M	methyl tert butyl ether	1.475	1.306	11.5	73	0.00	3.07
25 M	trans-1,2-dichloroethene	0.446	0.399	10.5	73	0.00	3.08
26 M	di-isopropyl ether	1.428	1.422	0.4	82	0.00	3.37
27 M	2-butanone	0.084	0.077	8.3	76	0.00	3.71
28 M	1,1-dichloroethane	0.795	0.742	6.7	76	0.00	3.36
29 M	chloroprene	0.676	0.626	7.4	77	0.00	3.42
30 M	acrylonitrile	0.197	0.227	-15.2	88	0.00	3.03
31	hexane	0.341	0.309	9.4	76	0.00	3.26
32 M	vinyl acetate	0.122	0.098	19.7	61	0.00	3.34
33 M	ethyl tert-butyl ether	1.426	1.365	4.3	78	0.00	3.61
34 M	ethyl acetate	0.096	0.092	4.2	75	0.00	3.73
35 M	2,2-dichloropropane	0.703	0.576	18.1	67	0.00	3.75
36 M	cis-1,2-dichloroethene	0.512	0.448	12.5	73	0.00	3.75
37	methyl acrylate	0.092	0.097	-5.4	83	0.00	3.77

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7704-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183164.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	M	propionitrile	0.068	0.077	-13.2	88	0.00	3.75
39	M	bromochloromethane	0.262	0.234	10.7	72	0.00	3.90
40	M	tetrahydrofuran	0.190	0.200	-5.3	84	0.00	3.92
41	M	chloroform	0.570	0.501	12.1	73	0.00	3.96
42	M	t-butyl formate	0.245	0.233	4.9	72	0.00	3.98
43	S	dibromofluoromethane (s)	0.472	0.471	0.2	77	0.00	4.07
44	M	methacrylonitrile	0.240	0.244	-1.7	79	0.00	3.86
45	M	1,1,1-trichloroethane	0.772	0.662	14.2	69	0.00	4.10
46		cyclohexane	0.782	0.669	14.5	69	0.00	4.17
47		1,1-dichloropropene	0.647	0.584	9.7	74	0.00	4.21
48		iso-butyl alcohol	0.017	0.020	-17.6	85	0.00	4.21
49		carbon tetrachloride	0.671	0.586	12.7	68	0.00	4.21
50		tert amyl alcohol	0.022	0.024	-9.1	87	0.00	4.30
51	I	1,4-difluorobenzene	1.000	1.000	0.0	77	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.386	0.384	0.5	81	0.00	4.31
53	M	n-butyl alcohol	0.006	0.007#	-16.7	89	0.00	4.68
54		2,2,4-trimethylpentane	0.892	0.772	13.5	73	0.00	4.43
55	M	benzene	1.238	1.100	11.1	74	0.00	4.35
56	M	tert-amyl methyl ether	0.254	0.226	11.0	73	0.00	4.42
57	M	heptane	0.225	0.186	17.3	67	0.00	4.54
58	M	isopropyl acetate	0.096	0.087	9.4	74	0.00	4.32
59	M	1,2-dichloroethane	0.496	0.424	14.5	73	0.00	4.37
60	M	trichloroethene	0.377	0.328	13.0	73	0.00	4.82
61		ethyl acrylate	0.457	0.486	-6.3	82	0.00	4.83
62	M	2-nitropropane	0.102	0.108	-5.9	80	0.00	5.34
63	M	2-chloroethyl vinyl ether	0.204	0.211	-3.4	81	0.00	5.39
64	M	methyl methacrylate	0.117	0.103	12.0	76	0.00	5.01
65	M	1,2-dichloropropane	0.330	0.319	3.3	79	0.00	5.00
66	M	dibromomethane	0.228	0.204	10.5	75	0.00	5.07
67	M	methylcyclohexane	0.563	0.489	13.1	71	0.00	5.01
68	M	bromodichloromethane	0.469	0.422	10.0	72	0.00	5.19
69		epichlorohydrin	0.034	0.035	-2.9	80	0.00	5.43
70	M	cis-1,3-dichloropropene	0.501	0.484	3.4	73	0.00	5.53
71	M	4-methyl-2-pentanone	0.160	0.165	-3.1	83	0.00	5.63
72	M	3-methyl-1-butanol	0.013	0.015	-15.4	87	0.00	5.65
73	I	chlorobenzene-d5	1.000	1.000	0.0	77	0.00	7.00
74	S	toluene-d8 (s)	1.242	1.209	2.7	76	0.00	5.76
75		toluene	0.834	0.734	12.0	72	0.00	5.82
76		trans-1,3-dichloropropene	0.467	0.449	3.9	70	0.00	5.98
77		ethyl methacrylate	0.483	0.481	0.4	76	0.00	6.01
78		1,1,2-trichloroethane	0.264	0.252	4.5	78	0.00	6.15
79	M	tetrachloroethene	0.315	0.273	13.3	72	0.00	6.26
80	M	1,3-dichloropropane	0.555	0.519	6.5	77	0.00	6.29
81		2-hexanone	0.163	0.167	-2.5	82	0.00	6.31
82	M	butyl acetate	0.258	0.260	-0.8	80	0.00	6.41
83	M	dibromochloromethane	0.372	0.339	8.9	71	0.00	6.48
84	M	1,2-dibromoethane	0.342	0.317	7.3	74	0.00	6.59
85		n-butyl ether	1.302	1.273	2.2	76	0.00	7.09
86	M	chlorobenzene	0.927	0.846	8.7	72	0.00	7.03
87	M	1,1,1,2-tetrachloroethane	0.340	0.312	8.2	70	0.00	7.09
88	M	ethylbenzene	1.613	1.374	14.8	72	0.00	7.10
89	M	m,p-xylene	0.638	0.544	14.7	69	0.00	7.22
90	M	o-xylene	0.666	0.561	15.8	69	0.00	7.57
91	M	styrene	1.068	0.947	11.3	69	0.00	7.59
92	M	bromoform	0.249	0.242	2.8	70	0.00	7.76
93		butyl acrylate	0.626	0.701	-12.0	78	0.00	7.50
94		n-amyl acetate	0.271	0.272	-0.4	72	0.00	7.70
95		isopropylbenzene	1.598	1.405	12.1	70	0.00	7.91

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7704-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183164.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
96		cis-1,4-dichloro-2-butene	50.000	30.883	38.2#	48	0.00	7.95

			AvgRF	CCRF	% Dev			
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	74	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.961	0.969	-0.8	76	0.00	8.07
99	M	bromobenzene	0.871	0.799	8.3	74	0.00	8.21
100	M	1,1,2,2-tetrachloroethane	0.906	0.896	1.1	76	0.00	8.18
101	M	trans-1,4-dichloro-2-bute	0.212	0.187	11.8	59	0.00	8.22
102	M	1,2,3-trichloropropane	0.312	0.281	9.9	74	0.00	8.24
103	M	n-propylbenzene	3.778	3.357	11.1	70	0.00	8.31
104	M	2-chlorotoluene	0.860	0.760	11.6	70	0.00	8.40
105	M	4-chlorotoluene	0.868	0.752	13.4	67	0.00	8.51
106	M	1,3,5-trimethylbenzene	2.572	2.371	7.8	70	0.00	8.48
107	M	tert-butylbenzene	0.669	0.574	14.2	67	0.00	8.78
108	M	1,2,4-trimethylbenzene	2.660	2.401	9.7	70	0.00	8.84
109	M	sec-butylbenzene	3.221	2.906	9.8	68	0.00	8.99
110	M	1,3-dichlorobenzene	1.550	1.443	6.9	70	0.00	9.12
111	M	p-isopropyltoluene	2.749	2.434	11.5	67	0.00	9.14
112	M	1,4-dichlorobenzene	1.547	1.404	9.2	70	0.00	9.21
113		1,2,3-trimethylbenzene	2.647	2.396	9.5	70	0.00	9.24
114		benzyl chloride	1.249	1.313	-5.1	66	0.00	9.31
115	M	1,2-dichlorobenzene	1.469	1.350	8.1	69	0.00	9.56
116	M	n-butylbenzene	1.278	1.203	5.9	68	0.00	9.54
117	M	1,2-dibromo-3-chloropropa	0.216	0.217	-0.5	72	0.00	10.32
118		1,3,5-trichlorobenzene	0.939	0.936	0.3	75	0.00	10.52
119	M	1,2,4-trichlorobenzene	0.767	0.763	0.5	72	0.00	11.15
120	M	hexachlorobutadiene	0.304	0.286	5.9	72	0.00	11.30
121	M	naphthalene	2.163	2.241	-3.6	75	0.00	11.40
122	M	1,2,3-trichlorobenzene	0.638	0.659	-3.3	76	0.00	11.63
123	m	hexachloroethane	0.364	0.364	0.0	70	0.00	9.84
124		2-methylnaphthalene	0.754	0.801	-6.2	73	0.00	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D182424.D M3D7672.M Mon Oct 24 04:19:07 2022

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7708-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183259.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\lu...22\v3d7708\3d183259.d Vial: 2
Acq On : 24 Oct 2022 9:41 am Operator: nickw
Sample : cc7672-20 Inst : MS3D
Misc : MS63279,V3D7708,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7672.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Oct 07 14:43:20 2022
Last Update : Fri Oct 07 14:43:20 2022
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	99	0.00	2.87
2 M	tertiary butyl alcohol	1.459	1.320	9.5	94	0.00	2.92
	----------	True	Calc.	% Drift	----------		
3	ethanol	2000.000	2203.786	-10.2	112	0.00	2.32
	----------	AvgRF	CCRF	% Dev	----------		
4 M	1,4-dioxane	0.042	0.038	9.5	96	0.00	5.05
5 I	pentafluorobenzene	1.000	1.000	0.0	90	0.00	4.06
6	chlorodifluoromethane	0.551	0.606	-10.0	92	0.00	1.54
7 M	dichlorodifluoromethane	0.758	0.768	-1.3	93	0.00	1.53
8 M	chloromethane	0.694	0.685	1.3	89	0.00	1.67
9 M	vinyl chloride	0.936	0.744	20.5#	72	0.00	1.75
10	1,3-butadiene	0.543	0.520	4.2	81	0.00	1.78
11 M	bromomethane	0.482	0.458	5.0	90	0.00	1.99
12 M	chloroethane	0.549	0.427	22.2#	71	0.00	2.06
13 M	trichlorofluoromethane	0.859	0.829	3.5	88	0.00	2.24
14 M	ethyl ether	0.300	0.278	7.3	89	0.00	2.42
15 M	acrolein	0.077	0.065	15.6	81	0.00	2.50
16	freon 113	0.385	0.392	-1.8	96	0.00	2.58
17 M	1,1-dichloroethene	0.394	0.401	-1.8	96	0.00	2.59
18 M	acetone	0.064	0.082	-28.1#	121	0.00	2.59
19 M	acetonitrile	0.053	0.060	-13.2	109	0.00	2.76
20 M	iodomethane	0.385	0.325	15.6	81	0.00	2.69
21 M	carbon disulfide	1.148	1.180	-2.8	95	0.00	2.75
22 M	methylene chloride	0.489	0.468	4.3	93	0.00	2.90
23 M	methyl acetate	0.432	0.472	-9.3	102	0.00	2.79
24 M	methyl tert butyl ether	1.475	1.358	7.9	88	0.00	3.07
25 M	trans-1,2-dichloroethene	0.446	0.423	5.2	91	0.00	3.08
26 M	di-isopropyl ether	1.428	1.536	-7.6	100	0.00	3.37
27 M	2-butanone	0.084	0.088	-4.8	100	0.00	3.71
28 M	1,1-dichloroethane	0.795	0.808	-1.6	94	0.00	3.36
29 M	chloroprene	0.676	0.684	-1.2	94	0.00	3.42
30 M	acrylonitrile	0.197	0.186	5.6	84	0.00	3.03
31	hexane	0.341	0.372	-9.1	103	0.00	3.26
32 M	vinyl acetate	0.122	0.114	6.6	91	0.00	3.34
33 M	ethyl tert-butyl ether	1.426	1.422	0.3	94	0.00	3.61
34 M	ethyl acetate	0.096	0.107	-11.5	118	0.00	3.73
35 M	2,2-dichloropropane	0.703	0.697	0.9	96	0.00	3.75
36 M	cis-1,2-dichloroethene	0.512	0.486	5.1	94	0.00	3.74
37	methyl acrylate	0.092	0.088	4.3	88	0.00	3.77

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7708-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183259.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	M	propionitrile	0.068	0.073	-7.4	103	0.00	3.75
39	M	bromochloromethane	0.262	0.249	5.0	91	0.00	3.90
40	M	tetrahydrofuran	0.190	0.198	-4.2	98	0.00	3.92
41	M	chloroform	0.570	0.535	6.1	89	0.00	3.96
42	M	t-butyl formate	0.245	0.276	-12.7	110	0.00	3.98
43	S	dibromofluoromethane (s)	0.472	0.460	2.5	87	0.00	4.07
44	M	methacrylonitrile	0.240	0.228	5.0	86	0.00	3.86
45	M	1,1,1-trichloroethane	0.772	0.710	8.0	89	0.00	4.10
46		cyclohexane	0.782	0.689	11.9	86	0.00	4.17
47		1,1-dichloropropene	0.647	0.634	2.0	93	0.00	4.21
48		iso-butyl alcohol	0.017	0.017	0.0	99	0.00	4.20
49		carbon tetrachloride	0.671	0.627	6.6	87	0.00	4.21
50		tert amyl alcohol	0.022	0.022	0.0	104	0.00	4.29
51	I	1,4-difluorobenzene	1.000	1.000	0.0	89	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.386	0.374	3.1	87	0.00	4.31
53	M	n-butyl alcohol	0.006	0.006#	0.0	103	0.00	4.68
54		2,2,4-trimethylpentane	0.892	0.940	-5.4	95	0.00	4.42
55	M	benzene	1.238	1.214	1.9	92	0.00	4.35
56	M	tert-amyl methyl ether	0.254	0.226	11.0	83	0.00	4.42
57	M	heptane	0.225	0.226	-0.4	95	0.00	4.54
58	M	isopropyl acetate	0.096	0.086	10.4	86	0.00	4.32
59	M	1,2-dichloroethane	0.496	0.468	5.6	89	0.00	4.37
60	M	trichloroethene	0.377	0.340	9.8	87	0.00	4.82
61		ethyl acrylate	0.457	0.492	-7.7	94	0.00	4.83
62	M	2-nitropropane	0.102	0.102	0.0	94	0.00	5.34
63	M	2-chloroethyl vinyl ether	0.204	0.204	0.0	88	0.00	5.39
64	M	methyl methacrylate	0.117	0.107	8.5	94	0.00	5.01
65	M	1,2-dichloropropane	0.330	0.338	-2.4	97	0.00	5.00
66	M	dibromomethane	0.228	0.210	7.9	89	0.00	5.07
67	M	methylcyclohexane	0.563	0.533	5.3	85	0.00	5.01
68	M	bromodichloromethane	0.469	0.439	6.4	88	0.00	5.19
69		epichlorohydrin	0.034	0.035	-2.9	100	0.00	5.43
70	M	cis-1,3-dichloropropene	0.501	0.517	-3.2	93	0.00	5.53
71	M	4-methyl-2-pentanone	0.160	0.172	-7.5	98	0.00	5.62
72	M	3-methyl-1-butanol	0.013	0.013	0.0	99	0.00	5.65
73	I	chlorobenzene-d5	1.000	1.000	0.0	86	0.00	6.99
74	S	toluene-d8 (s)	1.242	1.232	0.8	86	0.00	5.76
75		toluene	0.834	0.825	1.1	90	0.00	5.82
76		trans-1,3-dichloropropene	0.467	0.488	-4.5	91	0.00	5.98
77		ethyl methacrylate	0.483	0.499	-3.3	91	0.00	6.01
78		1,1,2-trichloroethane	0.264	0.260	1.5	88	0.00	6.15
79	M	tetrachloroethene	0.315	0.306	2.9	89	0.00	6.25
80	M	1,3-dichloropropane	0.555	0.558	-0.5	91	0.00	6.29
81		2-hexanone	0.163	0.185	-13.5	99	0.00	6.31
82	M	butyl acetate	0.258	0.269	-4.3	94	0.00	6.40
83	M	dibromochloromethane	0.372	0.345	7.3	88	0.00	6.48
84	M	1,2-dibromoethane	0.342	0.337	1.5	91	0.00	6.59
85		n-butyl ether	1.302	1.431	-9.9	93	0.00	7.09
86	M	chlorobenzene	0.927	0.902	2.7	86	0.00	7.03
87	M	1,1,1,2-tetrachloroethane	0.340	0.328	3.5	87	0.00	7.09
88	M	ethylbenzene	1.613	1.540	4.5	86	0.00	7.10
89	M	m,p-xylene	0.638	0.595	6.7	82	0.00	7.22
90	M	o-xylene	0.666	0.618	7.2	88	0.00	7.57
91	M	styrene	1.068	1.030	3.6	86	0.00	7.59
92	M	bromoform	0.249	0.237	4.8	87	0.00	7.76
93		butyl acrylate	0.626	0.713	-13.9	94	0.00	7.49
94		n-amyl acetate	0.271	0.287	-5.9	89	0.00	7.70
95		isopropylbenzene	1.598	1.567	1.9	85	0.00	7.91

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7708-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183259.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
96		cis-1,4-dichloro-2-butene	20.000	15.514	22.4#	72	0.00	7.95

			AvgRF	CCRF	% Dev			
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.961	0.981	-2.1	86	0.00	8.07
99	M	bromobenzene	0.871	0.884	-1.5	93	0.00	8.21
100	M	1,1,2,2-tetrachloroethane	0.906	0.969	-7.0	92	0.00	8.18
101	M	trans-1,4-dichloro-2-bute	0.212	0.208	1.9	81	0.00	8.22
102	M	1,2,3-trichloropropane	0.312	0.296	5.1	86	0.00	8.24
103	M	n-propylbenzene	3.778	3.968	-5.0	88	0.00	8.30
104	M	2-chlorotoluene	0.860	0.827	3.8	83	0.00	8.40
105	M	4-chlorotoluene	0.868	0.860	0.9	85	0.00	8.51
106	M	1,3,5-trimethylbenzene	2.572	2.608	-1.4	84	0.00	8.48
107	M	tert-butylbenzene	0.669	0.601	10.2	79	0.00	8.78
108	M	1,2,4-trimethylbenzene	2.660	2.712	-2.0	86	0.00	8.84
109	M	sec-butylbenzene	3.221	3.285	-2.0	84	0.00	8.99
110	M	1,3-dichlorobenzene	1.550	1.560	-0.6	86	0.00	9.12
111	M	p-isopropyltoluene	2.749	2.816	-2.4	85	0.00	9.14
112	M	1,4-dichlorobenzene	1.547	1.474	4.7	81	0.00	9.21
113		1,2,3-trimethylbenzene	2.647	2.620	1.0	85	0.00	9.23
114		benzyl chloride	1.249	1.484	-18.8	101	0.00	9.31
115	M	1,2-dichlorobenzene	1.469	1.451	1.2	86	0.00	9.56
116	M	n-butylbenzene	1.278	1.319	-3.2	84	0.00	9.54
117	M	1,2-dibromo-3-chloropropa	0.216	0.221	-2.3	90	0.00	10.32
118		1,3,5-trichlorobenzene	0.939	1.019	-8.5	90	0.00	10.52
119	M	1,2,4-trichlorobenzene	0.767	0.806	-5.1	90	0.00	11.15
120	M	hexachlorobutadiene	0.304	0.331	-8.9	98	0.00	11.30
121	M	naphthalene	2.163	2.324	-7.4	88	0.00	11.40
122	M	1,2,3-trichlorobenzene	0.638	0.658	-3.1	90	0.00	11.63
123	m	hexachloroethane	0.364	0.369	-1.4	88	0.00	9.84
124		2-methylnaphthalene	0.754	0.734	2.7	86	0.00	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D182423.D M3D7672.M Mon Oct 24 19:32:05 2022

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7712-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183375.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\davem1\v3d7712\3D183375.D Vial: 3
Acq On : 26 Oct 2022 9:44 am Operator: nickw
Sample : cc7672-20 Inst : MS3D
Misc : MS63330,V3D7712,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m3d7672.m (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Oct 07 14:43:20 2022
Last Update : Fri Oct 07 14:43:20 2022
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	tert butyl alcohol-d9	1.000	1.000	0.0	119	0.00	2.87
2 M	tertiary butyl alcohol	1.459	1.353	7.3	116	0.00	2.92
	----------	True	Calc.	% Drift	----------		
3	ethanol	2000.000	2911.839	-45.6#	176	0.00	2.32
	----------	AvgRF	CCRF	% Dev	----------		
4 M	1,4-dioxane	0.042	0.056	-33.3#	169	0.00	5.04
5 I	pentafluorobenzene	1.000	1.000	0.0	79	0.00	4.07
6	chlorodifluoromethane	0.551	0.686	-24.5#	92	0.00	1.54
7 M	dichlorodifluoromethane	0.758	0.814	-7.4	86	0.00	1.53
8 M	chloromethane	0.694	0.727	-4.8	84	0.00	1.67
9 M	vinyl chloride	0.936	0.809	13.6	69	0.00	1.75
10	1,3-butadiene	0.543	0.594	-9.4	82	0.00	1.78
11 M	bromomethane	0.482	0.495	-2.7	86	0.00	1.99
12 M	chloroethane	0.549	0.439	20.0#	65	0.00	2.06
13 M	trichlorofluoromethane	0.859	0.846	1.5	80	0.00	2.24
14 M	ethyl ether	0.300	0.313	-4.3	88	0.00	2.42
15 M	acrolein	0.077	0.052	32.5#	57	0.00	2.50
16	freon 113	0.385	0.365	5.2	79	0.00	2.59
17 M	1,1-dichloroethene	0.394	0.385	2.3	81	0.00	2.59
18 M	acetone	0.064	0.073	-14.1	95	0.00	2.59
19 M	acetonitrile	0.053	0.078	-47.2#	126	0.00	2.76
20 M	iodomethane	0.385	0.314	18.4	69	0.00	2.69
21 M	carbon disulfide	1.148	1.198	-4.4	85	0.00	2.75
22 M	methylene chloride	0.489	0.487	0.4	86	0.00	2.90
23 M	methyl acetate	0.432	0.572	-32.4#	109	0.00	2.79
24 M	methyl tert butyl ether	1.475	1.486	-0.7	84	0.00	3.07
25 M	trans-1,2-dichloroethene	0.446	0.432	3.1	82	0.00	3.08
26 M	di-isopropyl ether	1.428	1.635	-14.5	93	0.00	3.37
27 M	2-butanone	0.084	0.085	-1.2	85	0.00	3.71
28 M	1,1-dichloroethane	0.795	0.832	-4.7	85	0.00	3.36
29 M	chloroprene	0.676	0.671	0.7	81	0.00	3.42
30 M	acrylonitrile	0.197	0.158	19.8	63	0.00	3.03
31	hexane	0.341	0.368	-7.9	90	0.00	3.26
32 M	vinyl acetate	0.122	0.117	4.1	82	0.00	3.34
33 M	ethyl tert-butyl ether	1.426	1.496	-4.9	87	0.00	3.61
34 M	ethyl acetate	0.096	0.106	-10.4	103	0.00	3.73
35 M	2,2-dichloropropane	0.703	0.664	5.5	80	0.00	3.75
36 M	cis-1,2-dichloroethene	0.512	0.506	1.2	86	0.00	3.74
37	methyl acrylate	0.092	0.095	-3.3	84	0.00	3.77

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7712-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183375.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

38	M	propionitrile	0.068	0.090	-32.4#	111	0.00	3.75
39	M	bromochloromethane	0.262	0.253	3.4	81	0.00	3.90
40	M	tetrahydrofuran	0.190	0.223	-17.4	97	0.00	3.92
41	M	chloroform	0.570	0.552	3.2	81	0.00	3.96
42	M	t-butyl formate	0.245	0.303	-23.7#	107	0.00	3.98
43	S	dibromofluoromethane (s)	0.472	0.456	3.4	76	0.00	4.07
44	M	methacrylonitrile	0.240	0.255	-6.3	85	0.00	3.86
45	M	1,1,1-trichloroethane	0.772	0.701	9.2	77	0.00	4.10
46		cyclohexane	0.782	0.708	9.5	78	0.00	4.17
47		1,1-dichloropropene	0.647	0.616	4.8	80	0.00	4.21
48		iso-butyl alcohol	0.017	0.024	-41.2#	123	0.00	4.21
49		carbon tetrachloride	0.671	0.599	10.7	73	0.00	4.22
50		tert amyl alcohol	0.022	0.030	-36.4#	126	0.00	4.30
51	I	1,4-difluorobenzene	1.000	1.000	0.0	79	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.386	0.388	-0.5	80	0.00	4.31
53	M	n-butyl alcohol	0.006	0.009#	-50.0#	153	0.00	4.68
54		2,2,4-trimethylpentane	0.892	0.887	0.6	79	0.00	4.42
55	M	benzene	1.238	1.225	1.1	82	0.00	4.35
56	M	tert-amyl methyl ether	0.254	0.237	6.7	77	0.00	4.42
57	M	heptane	0.225	0.237	-5.3	88	0.00	4.54
58	M	isopropyl acetate	0.096	0.099	-3.1	87	0.00	4.32
59	M	1,2-dichloroethane	0.496	0.468	5.6	79	0.00	4.37
60	M	trichloroethene	0.377	0.339	10.1	76	0.00	4.82
61		ethyl acrylate	0.457	0.533	-16.6	90	0.00	4.83
62	M	2-nitropropane	0.102	0.111	-8.8	91	0.00	5.34
63	M	2-chloroethyl vinyl ether	0.204	0.242	-18.6	92	0.00	5.39
64	M	methyl methacrylate	0.117	0.108	7.7	84	0.00	5.01
65	M	1,2-dichloropropane	0.330	0.336	-1.8	85	0.00	5.00
66	M	dibromomethane	0.228	0.230	-0.9	86	0.00	5.07
67	M	methylcyclohexane	0.563	0.543	3.6	77	0.00	5.01
68	M	bromodichloromethane	0.469	0.447	4.7	79	0.00	5.19
69		epichlorohydrin	0.034	0.042	-23.5#	106	0.00	5.43
70	M	cis-1,3-dichloropropene	0.501	0.521	-4.0	83	0.00	5.53
71	M	4-methyl-2-pentanone	0.160	0.193	-20.6#	97	0.00	5.63
72	M	3-methyl-1-butanol	0.013	0.019	-46.2#	132	0.00	5.65
73	I	chlorobenzene-d5	1.000	1.000	0.0	78	0.00	7.00
74	S	toluene-d8 (s)	1.242	1.215	2.2	78	0.00	5.76
75		toluene	0.834	0.807	3.2	80	0.00	5.82
76		trans-1,3-dichloropropene	0.467	0.479	-2.6	82	0.00	5.98
77		ethyl methacrylate	0.483	0.497	-2.9	83	0.00	6.01
78		1,1,2-trichloroethane	0.264	0.263	0.4	82	0.00	6.15
79	M	tetrachloroethene	0.315	0.291	7.6	78	0.00	6.26
80	M	1,3-dichloropropane	0.555	0.559	-0.7	84	0.00	6.29
81		2-hexanone	0.163	0.199	-22.1#	97	0.00	6.31
82	M	butyl acetate	0.258	0.284	-10.1	91	0.00	6.41
83	M	dibromochloromethane	0.372	0.338	9.1	79	0.00	6.48
84	M	1,2-dibromoethane	0.342	0.338	1.2	83	0.00	6.59
85		n-butyl ether	1.302	1.458	-12.0	87	0.00	7.09
86	M	chlorobenzene	0.927	0.919	0.9	80	0.00	7.03
87	M	1,1,1,2-tetrachloroethane	0.340	0.333	2.1	80	0.00	7.10
88	M	ethylbenzene	1.613	1.573	2.5	80	0.00	7.10
89	M	m,p-xylene	0.638	0.607	4.9	76	0.00	7.22
90	M	o-xylene	0.666	0.606	9.0	79	0.00	7.57
91	M	styrene	1.068	1.070	-0.2	82	0.00	7.59
92	M	bromoform	0.249	0.241	3.2	81	0.00	7.76
93		butyl acrylate	0.626	0.753	-20.3#	90	0.00	7.50
94		n-amyl acetate	0.271	0.294	-8.5	83	0.00	7.70
95		isopropylbenzene	1.598	1.589	0.6	79	0.00	7.91

Continuing Calibration Summary

Job Number: JD54013 **Sample:** V3D7712-CC7672
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 3D183375.D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

			True	Calc.	% Drift			
96		cis-1,4-dichloro-2-butene	20.000	14.251	28.7#	60	0.00	7.95

			AvgRF	CCRF	% Dev			
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	79	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.961	0.974	-1.4	80	0.00	8.07
99	M	bromobenzene	0.871	0.850	2.4	83	0.00	8.21
100	M	1,1,2,2-tetrachloroethane	0.906	1.055	-16.4	94	0.00	8.18
101	M	trans-1,4-dichloro-2-bute	0.212	0.208	1.9	76	0.00	8.22
102	M	1,2,3-trichloropropane	0.312	0.318	-1.9	86	0.00	8.24
103	M	n-propylbenzene	3.778	3.838	-1.6	80	0.00	8.31
104	M	2-chlorotoluene	0.860	0.802	6.7	75	0.00	8.40
105	M	4-chlorotoluene	0.868	0.814	6.2	75	0.00	8.51
106	M	1,3,5-trimethylbenzene	2.572	2.613	-1.6	79	0.00	8.48
107	M	tert-butylbenzene	0.669	0.590	11.8	73	0.00	8.78
108	M	1,2,4-trimethylbenzene	2.660	2.720	-2.3	81	0.00	8.84
109	M	sec-butylbenzene	3.221	3.195	0.8	77	0.00	8.99
110	M	1,3-dichlorobenzene	1.550	1.607	-3.7	83	0.00	9.12
111	M	p-isopropyltoluene	2.749	2.702	1.7	76	0.00	9.14
112	M	1,4-dichlorobenzene	1.547	1.557	-0.6	80	0.00	9.21
113		1,2,3-trimethylbenzene	2.647	2.661	-0.5	81	0.00	9.23
114		benzyl chloride	1.249	1.498	-19.9	95	0.00	9.31
115	M	1,2-dichlorobenzene	1.469	1.487	-1.2	83	0.00	9.56
116	M	n-butylbenzene	1.278	1.314	-2.8	78	0.00	9.54
117	M	1,2-dibromo-3-chloropropa	0.216	0.227	-5.1	87	0.00	10.32
118		1,3,5-trichlorobenzene	0.939	0.980	-4.4	81	0.00	10.52
119	M	1,2,4-trichlorobenzene	0.767	0.775	-1.0	81	0.00	11.15
120	M	hexachlorobutadiene	0.304	0.309	-1.6	86	0.00	11.30
121	M	naphthalene	2.163	2.292	-6.0	82	0.00	11.40
122	M	1,2,3-trichlorobenzene	0.638	0.652	-2.2	83	0.00	11.63
123	m	hexachloroethane	0.364	0.350	3.8	79	0.00	9.84
124		2-methylnaphthalene	0.754	0.638	15.4	70	0.00	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D182423.D m3d7672.m Thu Oct 27 06:15:11 2022

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V1A9711	**Method:** SW846 8260D	**Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A9711-BFB	1A226729.D	10/06/22 21:48	n/a	BFB Tune
V1A9711-IC9711	1A226730.D	10/06/22 22:12	n/a	Initial cal 0.2
V1A9711-IC9711	1A226731.D	10/06/22 22:35	n/a	Initial cal 0.5
V1A9711-IC9711	1A226732.D	10/06/22 22:59	n/a	Initial cal 1
V1A9711-IC9711	1A226733.D	10/06/22 23:23	n/a	Initial cal 2
V1A9711-IC9711	1A226734.D	10/06/22 23:47	n/a	Initial cal 4
V1A9711-IC9711	1A226735.D	10/07/22 00:11	n/a	Initial cal 8
V1A9711-IC9711	1A226736.D	10/07/22 00:35	n/a	Initial cal 20
V1A9711-ICC9711	1A226737.D	10/07/22 00:59	n/a	Initial cal 50
V1A9711-IC9711	1A226738.D	10/07/22 01:23	n/a	Initial cal 100
V1A9711-IC9711	1A226739.D	10/07/22 01:47	n/a	Initial cal 200
V1A9711-ICV9711	1A226742.D	10/07/22 02:58	n/a	Initial cal verification 50
V1A9711-ICV9711	1A226743.D	10/07/22 03:22	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V1A9741	**Method:** SW846 8260D	**Instrument ID:** GCMS1A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1A9741-BFB	1A227604.D	10/27/22 10:42	n/a	BFB Tune
V1A9741-CC9711	1A227604.D	10/27/22 10:42	n/a	Continuing cal 20
V1A9741-BS	1A227606.D	10/27/22 11:37	n/a	Blank Spike
V1A9741-MB	1A227608.D	10/27/22 12:33	n/a	Method Blank
ZZZZZZ	1A227609.D	10/27/22 13:01	n/a	(unrelated sample)
ZZZZZZ	1A227610.D	10/27/22 13:25	n/a	(unrelated sample)
JD54013-22	1A227611.D	10/27/22 13:49	n/a	MW-26(S)
JD54013-20	1A227613.D	10/27/22 14:37	n/a	MW-20(S)
JD54013-21	1A227614.D	10/27/22 15:01	n/a	MW-15(D)
ZZZZZZ	1A227615.D	10/27/22 15:25	n/a	(unrelated sample)
ZZZZZZ	1A227616.D	10/27/22 15:49	n/a	(unrelated sample)
ZZZZZZ	1A227617.D	10/27/22 16:12	n/a	(unrelated sample)
JD54013-19	1A227619.D	10/27/22 17:00	n/a	MW-27(D)
JD54107-2MS	1A227620.D	10/27/22 17:24	n/a	Matrix Spike
JD54107-2MSD	1A227621.D	10/27/22 17:48	n/a	Matrix Spike Duplicate
ZZZZZZ	1A227626.D	10/27/22 19:48	n/a	(unrelated sample)
ZZZZZZ	1A227627.D	10/27/22 20:11	n/a	(unrelated sample)
ZZZZZZ	1A227628.D	10/27/22 20:35	n/a	(unrelated sample)
JD54107-2	1A227629.D	10/27/22 20:59	n/a	(used for QC only; not part of job JD54013)
ZZZZZZ	1A227630.D	10/27/22 21:23	n/a	(unrelated sample)
JD54013-21	1A227633.D	10/27/22 22:35	n/a	MW-15(D)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V1U2005 **Method:** EPA 624.1 **Instrument ID:** GCMS1U

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1U2005-BFB	1U49370.D	10/24/22 17:36	n/a	BFB Tune
V1U2005-IC2005	1U49372.D	10/24/22 18:29	n/a	Initial cal 0.2
V1U2005-IC2005	1U49374.D	10/24/22 18:59	n/a	Initial cal 0.5
V1U2005-IC2005	1U49376.D	10/24/22 19:28	n/a	Initial cal 1
V1U2005-IC2005	1U49378.D	10/24/22 19:57	n/a	Initial cal 2
V1U2005-IC2005	1U49380.D	10/24/22 20:26	n/a	Initial cal 4
V1U2005-IC2005	1U49382.D	10/24/22 20:55	n/a	Initial cal 8
V1U2005-IC2005	1U49384.D	10/24/22 21:24	n/a	Initial cal 20
V1U2005-ICC2005	1U49386.D	10/24/22 21:54	n/a	Initial cal 50
V1U2005-IC2005	1U49388.D	10/24/22 22:23	n/a	Initial cal 100
V1U2005-IC2005	1U49390.D	10/24/22 22:52	n/a	Initial cal 200
V1U2005-ICV2005	1U49396.D	10/25/22 00:19	n/a	Initial cal verification 50
V1U2005-ICV2005	1U49398.D	10/25/22 00:48	n/a	Initial cal verification 50
V1U2005-BFB2	1U49404.D	10/25/22 13:18	n/a	BFB Tune
V1U2005-ICV2005	1U49406.D	10/25/22 14:02	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V1U2006	**Method:** SW846 8260D	**Instrument ID:** GCMS1U

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1U2006-BFB	1U49412.D	10/25/22 16:12	n/a	BFB Tune
V1U2006-CC2005	1U49412.D	10/25/22 16:12	n/a	Continuing cal 20
V1U2006-BS	1U49416.D	10/25/22 17:11	n/a	Blank Spike
V1U2006-MB	1U49420.D	10/25/22 18:10	n/a	Method Blank
JD54013-22	1U49422.D	10/25/22 18:39	n/a	MW-26(S)
JD54013-22MS	1U49424.D	10/25/22 19:08	n/a	Matrix Spike
JD54013-22MSD	1U49426.D	10/25/22 19:38	n/a	Matrix Spike Duplicate
ZZZZZZ	1U49430.D	10/25/22 20:36	n/a	(unrelated sample)
ZZZZZZ	1U49432.D	10/25/22 21:05	n/a	(unrelated sample)
ZZZZZZ	1U49434.D	10/25/22 21:35	n/a	(unrelated sample)
ZZZZZZ	1U49436.D	10/25/22 22:04	n/a	(unrelated sample)
ZZZZZZ	1U49438.D	10/25/22 22:33	n/a	(unrelated sample)
ZZZZZZ	1U49440.D	10/25/22 23:02	n/a	(unrelated sample)
JD54013-16	1U49442.D	10/25/22 23:32	n/a	MW-25(S)
JD54013-18	1U49444.D	10/26/22 00:01	n/a	MW-27(S)
ZZZZZZ	1U49450.D	10/26/22 01:28	n/a	(unrelated sample)
ZZZZZZ	1U49450R.D	10/26/22 01:28	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2A9596	**Method:** SW846 8260D	**Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A9596-BFB	2A220735.D	10/13/22 17:42	n/a	BFB Tune
V2A9596-IC9596	2A220736.D	10/13/22 18:18	n/a	Initial cal 0.2
V2A9596-IC9596	2A220737.D	10/13/22 18:37	n/a	Initial cal 0.5
V2A9596-IC9596	2A220738.D	10/13/22 19:06	n/a	Initial cal 1
V2A9596-IC9596	2A220739.D	10/13/22 19:34	n/a	Initial cal 2
V2A9596-IC9596	2A220740.D	10/13/22 20:03	n/a	Initial cal 4
V2A9596-IC9596	2A220741.D	10/13/22 20:32	n/a	Initial cal 8
V2A9596-IC9596	2A220742.D	10/13/22 21:02	n/a	Initial cal 20
V2A9596-ICC9596	2A220743.D	10/13/22 21:30	n/a	Initial cal 50
V2A9596-IC9596	2A220744.D	10/13/22 22:00	n/a	Initial cal 100
V2A9596-IC9596	2A220745.D	10/13/22 22:28	n/a	Initial cal 200
V2A9596-ICV9596	2A220748.D	10/13/22 23:54	n/a	Initial cal verification 50
V2A9596-ICV9596	2A220749.D	10/14/22 00:22	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2A9618 **Method:** SW846 8260D **Instrument ID:** GCMS2A

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2A9618-BFB	2A221260.D	10/27/22 09:40	n/a	BFB Tune
V2A9618-CC9596	2A221260.D	10/27/22 09:40	n/a	Continuing cal 20
V2A9618-BS	2A221262.D	10/27/22 10:47	n/a	Blank Spike
V2A9618-MB	2A221264.D	10/27/22 11:44	n/a	Method Blank
ZZZZZZ	2A221265.D	10/27/22 12:20	n/a	(unrelated sample)
ZZZZZZ	2A221266.D	10/27/22 12:48	n/a	(unrelated sample)
ZZZZZZ	2A221267.D	10/27/22 13:16	n/a	(unrelated sample)
JD54013-8	2A221268.D	10/27/22 13:45	n/a	MW-30(S)
JD54013-12	2A221269.D	10/27/22 14:13	n/a	MW-24(D)
JD54013-13	2A221270.D	10/27/22 14:42	n/a	MW-9
JD54013-14	2A221271.D	10/27/22 15:11	n/a	MW-9 DUP
JD54013-11	2A221272.D	10/27/22 15:39	n/a	MW-10
ZZZZZZ	2A221273.D	10/27/22 16:07	n/a	(unrelated sample)
JD54227-4MS	2A221274.D	10/27/22 16:36	n/a	Matrix Spike
JD54227-4MSD	2A221275.D	10/27/22 17:05	n/a	Matrix Spike Duplicate
ZZZZZZ	2A221276.D	10/27/22 17:34	n/a	(unrelated sample)
ZZZZZZ	2A221277.D	10/27/22 18:03	n/a	(unrelated sample)
ZZZZZZ	2A221278.D	10/27/22 18:31	n/a	(unrelated sample)
ZZZZZZ	2A221279.D	10/27/22 19:00	n/a	(unrelated sample)
ZZZZZZ	2A221280.D	10/27/22 19:29	n/a	(unrelated sample)
ZZZZZZ	2A221281.D	10/27/22 19:57	n/a	(unrelated sample)
JD54227-4	2A221282.D	10/27/22 20:26	n/a	(used for QC only; not part of job JD54013)
ZZZZZZ	2A221283.D	10/27/22 20:54	n/a	(unrelated sample)
ZZZZZZ	2A221284.D	10/27/22 21:23	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2U2005	**Method:** EPA 624.1	**Instrument ID:** GCMS2U

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2U2005-BFB	2U49371.D	10/24/22 17:58	n/a	BFB Tune
V2U2005-IC2005	2U49373.D	10/24/22 18:44	n/a	Initial cal 0.2
V2U2005-IC2005	2U49375.D	10/24/22 19:13	n/a	Initial cal 0.5
V2U2005-IC2005	2U49377.D	10/24/22 19:43	n/a	Initial cal 1
V2U2005-IC2005	2U49379.D	10/24/22 20:12	n/a	Initial cal 2
V2U2005-IC2005	2U49381.D	10/24/22 20:41	n/a	Initial cal 4
V2U2005-IC2005	2U49383.D	10/24/22 21:10	n/a	Initial cal 8
V2U2005-IC2005	2U49385.D	10/24/22 21:39	n/a	Initial cal 20
V2U2005-ICC2005	2U49387.D	10/24/22 22:08	n/a	Initial cal 50
V2U2005-IC2005	2U49389.D	10/24/22 22:37	n/a	Initial cal 100
V2U2005-IC2005	2U49391.D	10/24/22 23:07	n/a	Initial cal 200
V2U2005-ICV2005	2U49397.D	10/25/22 00:34	n/a	Initial cal verification 50
V2U2005-ICV2005	2U49399.D	10/25/22 01:03	n/a	Initial cal verification 50
V2U2005-BFB2	2U49405.D	10/25/22 13:32	n/a	BFB Tune
V2U2005-ICV2005	2U49407.D	10/25/22 14:17	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V2U2006 **Method:** SW846 8260D **Instrument ID:** GCMS2U

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2U2006-BFB	2U49413.D	10/25/22 16:27	n/a	BFB Tune
V2U2006-CC2005	2U49413.D	10/25/22 16:27	n/a	Continuing cal 20
V2U2006-BS	2U49417.D	10/25/22 17:26	n/a	Blank Spike
V2U2006-MB	2U49419.D	10/25/22 17:55	n/a	Method Blank
JD54013-21	2U49421.D	10/25/22 18:24	n/a	MW-15(D)
JD54013-21MS	2U49423.D	10/25/22 18:54	n/a	Matrix Spike
JD54013-21MSD	2U49425.D	10/25/22 19:23	n/a	Matrix Spike Duplicate
ZZZZZZ	2U49429.D	10/25/22 20:22	n/a	(unrelated sample)
ZZZZZZ	2U49431.D	10/25/22 20:51	n/a	(unrelated sample)
ZZZZZZ	2U49433.D	10/25/22 21:20	n/a	(unrelated sample)
ZZZZZZ	2U49439.D	10/25/22 22:48	n/a	(unrelated sample)
JD54013-15	2U49441.D	10/25/22 23:17	n/a	MW-24(S)
JD54013-17	2U49443.D	10/25/22 23:46	n/a	MW-25(D)
ZZZZZZ	2U49449.D	10/26/22 01:14	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V3D7672	**Method:** SW846 8260D	**Instrument ID:** GCMS3D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3D7672-BFB	3D182416.D	10/05/22 21:46	n/a	BFB Tune
V3D7672-IC7672	3D182417.D	10/05/22 22:22	n/a	Initial cal 0.2
V3D7672-IC7672	3D182418.D	10/05/22 22:46	n/a	Initial cal 0.5
V3D7672-IC7672	3D182419.D	10/05/22 23:09	n/a	Initial cal 1
V3D7672-IC7672	3D182420.D	10/05/22 23:33	n/a	Initial cal 2
V3D7672-IC7672	3D182421.D	10/05/22 23:57	n/a	Initial cal 4
V3D7672-IC7672	3D182422.D	10/06/22 00:20	n/a	Initial cal 8
V3D7672-IC7672	3D182423.D	10/06/22 00:44	n/a	Initial cal 20
V3D7672-ICC7672	3D182424.D	10/06/22 01:07	n/a	Initial cal 50
V3D7672-IC7672	3D182425.D	10/06/22 01:31	n/a	Initial cal 100
V3D7672-IC7672	3D182426.D	10/06/22 01:55	n/a	Initial cal 200
V3D7672-ICV7672	3D182429.D	10/06/22 03:05	n/a	Initial cal verification 50
V3D7672-ICV7672	3D182430.D	10/06/22 03:28	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V3D7704 **Method:** SW846 8260D **Instrument ID:** GCMS3D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3D7704-BFB	3D183164.D	10/21/22 21:16	n/a	BFB Tune
V3D7704-CC7672	3D183164.D	10/21/22 21:16	n/a	Continuing cal 50
V3D7704-BS	3D183166.D	10/21/22 22:03	n/a	Blank Spike
V3D7704-MB	3D183168.D	10/21/22 22:50	n/a	Method Blank
JD54013-1	3D183170.D	10/21/22 23:37	n/a	MW-7R
JD54013-1MS	3D183171.D	10/22/22 00:00	n/a	Matrix Spike
JD54013-1MSD	3D183172.D	10/22/22 00:24	n/a	Matrix Spike Duplicate
JD54013-4	3D183175.D	10/22/22 01:34	n/a	TB-1
ZZZZZZ	3D183176.D	10/22/22 01:57	n/a	(unrelated sample)
ZZZZZZ	3D183177.D	10/22/22 02:21	n/a	(unrelated sample)
ZZZZZZ	3D183178.D	10/22/22 02:44	n/a	(unrelated sample)
ZZZZZZ	3D183179.D	10/22/22 03:08	n/a	(unrelated sample)
ZZZZZZ	3D183180.D	10/22/22 03:31	n/a	(unrelated sample)
ZZZZZZ	3D183181.D	10/22/22 03:55	n/a	(unrelated sample)
ZZZZZZ	3D183182.D	10/22/22 04:18	n/a	(unrelated sample)
ZZZZZZ	3D183183.D	10/22/22 04:42	n/a	(unrelated sample)
ZZZZZZ	3D183184.D	10/22/22 05:05	n/a	(unrelated sample)
ZZZZZZ	3D183185.D	10/22/22 05:28	n/a	(unrelated sample)
ZZZZZZ	3D183186.D	10/22/22 05:52	n/a	(unrelated sample)
ZZZZZZ	3D183187.D	10/22/22 06:15	n/a	(unrelated sample)
ZZZZZZ	3D183188.D	10/22/22 06:39	n/a	(unrelated sample)
ZZZZZZ	3D183189.D	10/22/22 07:02	n/a	(unrelated sample)
ZZZZZZ	3D183190.D	10/22/22 07:26	n/a	(unrelated sample)
ZZZZZZ	3D183191.D	10/22/22 07:49	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V3D7708 **Method:** SW846 8260D **Instrument ID:** GCMS3D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3D7708-BFB	3D183258.D	10/24/22 09:15	n/a	BFB Tune
V3D7708-CC7672	3D183259.D	10/24/22 09:41	n/a	Continuing cal 20
V3D7708-BS	3D183261.D	10/24/22 11:10	n/a	Blank Spike
V3D7708-MB	3D183263.D	10/24/22 11:57	n/a	Method Blank
JD54013-3	3D183264.D	10/24/22 12:29	n/a	FB-1
ZZZZZZ	3D183265.D	10/24/22 12:52	n/a	(unrelated sample)
JD54013-2	3D183266.D	10/24/22 13:16	n/a	MW-16(S)
ZZZZZZ	3D183267.D	10/24/22 13:39	n/a	(unrelated sample)
JD54013-1	3D183270.D	10/24/22 16:17	n/a	MW-7R
ZZZZZZ	3D183271.D	10/24/22 16:40	n/a	(unrelated sample)
ZZZZZZ	3D183272.D	10/24/22 17:04	n/a	(unrelated sample)
JD54013-2MS	3D183273.D	10/24/22 17:27	n/a	Matrix Spike
JD54013-2MSD	3D183274.D	10/24/22 17:51	n/a	Matrix Spike Duplicate
ZZZZZZ	3D183276.D	10/24/22 18:38	n/a	(unrelated sample)
ZZZZZZ	3D183277.D	10/24/22 19:01	n/a	(unrelated sample)
ZZZZZZ	3D183278.D	10/24/22 19:25	n/a	(unrelated sample)
ZZZZZZ	3D183279.D	10/24/22 19:48	n/a	(unrelated sample)
ZZZZZZ	3D183280.D	10/24/22 20:12	n/a	(unrelated sample)
ZZZZZZ	3D183281.D	10/24/22 20:35	n/a	(unrelated sample)
ZZZZZZ	3D183282.D	10/24/22 20:59	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Run ID: V3D7712 **Method:** SW846 8260D **Instrument ID:** GCMS3D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3D7712-BFB	3D183375.D	10/26/22 09:44	n/a	BFB Tune
V3D7712-CC7672	3D183375.D	10/26/22 09:44	n/a	Continuing cal 20
V3D7712-BS	3D183377.D	10/26/22 10:41	n/a	Blank Spike
V3D7712-MB	3D183379.D	10/26/22 11:28	n/a	Method Blank
ZZZZZZ	3D183380.D	10/26/22 12:04	n/a	(unrelated sample)
ZZZZZZ	3D183381.D	10/26/22 12:32	n/a	(unrelated sample)
ZZZZZZ	3D183382.D	10/26/22 12:56	n/a	(unrelated sample)
ZZZZZZ	3D183383.D	10/26/22 13:19	n/a	(unrelated sample)
ZZZZZZ	3D183385.D	10/26/22 14:06	n/a	(unrelated sample)
ZZZZZZ	3D183386.D	10/26/22 14:30	n/a	(unrelated sample)
ZZZZZZ	3D183387.D	10/26/22 14:53	n/a	(unrelated sample)
ZZZZZZ	3D183388.D	10/26/22 15:17	n/a	(unrelated sample)
ZZZZZZ	3D183389.D	10/26/22 15:40	n/a	(unrelated sample)
JD54013-5MS	3D183390.D	10/26/22 16:04	n/a	Matrix Spike
JD54013-5MSD	3D183391.D	10/26/22 16:28	n/a	Matrix Spike Duplicate
JD54013-5	3D183393.D	10/26/22 17:15	n/a	MW-17(S)
JD54013-6	3D183395.D	10/26/22 18:02	n/a	MW-11(D)
JD54013-7	3D183396.D	10/26/22 18:25	n/a	MW-21(S)
JD54013-9	3D183398.D	10/26/22 19:12	n/a	MW-30(D)
JD54013-10	3D183399.D	10/26/22 19:36	n/a	MW-19(D)

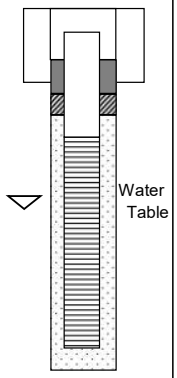
Attachment B
Well Construction Logs

MONITORING WELL: MW-21(S)

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**6 ft. - 16 ft. below ground surface**
Date:	**9/27/2022**	**Depth to Water:**	**9.42 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0			60	brown-dark brown, very coarse-medium SAND with gravels, non-plastic, moist, loose
	0.0			
	28.9		80	FILL - dark brown, medium-very fine SAND with gravels, concrete/brick fragments, and trace silt and clay, non-plastic, moist, compact
10				red-brown, very coarse-medium SAND with some gravels, silt and clay, non-plastic, wet, loose
	26.7		80	tree root black, fine SAND with silt and clay, slightly plastic-plastic, wet, loose, slight to moderate petrol odor and some sheen dark grey-black, fine-very fine SAND with trace silt and clay, non-plastic, wet, loose, moderate petrol odor
	76.7		100	dark grey-black, fine-very fine SAND with silt and clay, slightly plastic, wet, loose, moderate petrol odor dark grey-black silty CLAY, very plastic, wet, compact
20				END OF BORING
30				
40				

Well Construction



Sand Bentonite/Cement

Bentonite PVC Riser PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

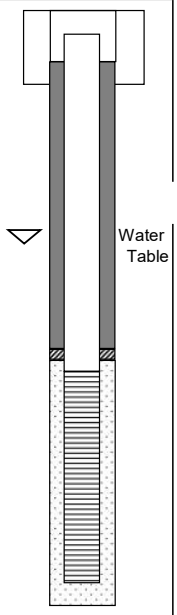
DATE: 10/3/2022 DRAWN BY: JA
SCALE: REV. BY:
FILE NAME:

Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-7R

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**17 ft. - 27 ft. below ground surface**
Date:	**9/27/2022**	**Depth to Water:**	**11.04 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0			60	brown-dark brown, very coarse-medium SAND with gravels, non-plastic, moist, loose
	0.0			
	28.9		80	FILL - dark brown, medium-very fine SAND with gravels, concrete/brick fragments, and trace silt and clay, non-plastic, moist, compact
10				red-brown, very coarse-medium SAND with some gravels, silt and clay, non-plastic, wet, loose
	26.7		80	tree root black, fine SAND with silt and clay, slightly plastic-plastic, wet, loose, slight to moderate petrol odor and some sheen dark grey-black, fine-very fine SAND with trace silt and clay, non-plastic, wet, loose, moderate petrol odor
	76.7		100	dark grey-black, fine-very fine SAND with silt and clay, slightly plastic, wet, loose, moderate petrol odor dark grey-black silty CLAY, very plastic, wet, compact
20				same as above
			100	dark-grey silty SAND with clay, plastic-very plastic, wet, compact
	2.0			dark-grey, medium-very fine SAND with some rock fragments, silt and clay, non-plastic, wet, compact
	2.2		70	dark-grey, clayey SAND, with some silt and shell fragments, very plastic, wet, compact REFUSAL - concrete and granitic rock END OF BORING
30				
40				



Sand | Bentonite/Cement

Bentonite | PVC Riser | PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

DATE: 10/3/2022 DRAWN BY: JA

SCALE: REV. BY:

FILE NAME:

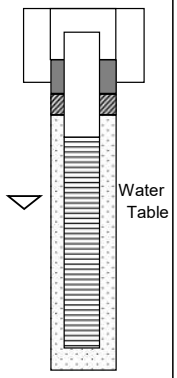
Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-17(S)

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**6 ft. - 16 ft. below ground surface**
Date:	**9/28/2022**	**Depth to Water:**	**9.24 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0				brown-red-brown, very coarse-fine SAND with some gravels, and
			100	trace silt and clay, non-plastic-slightly plastic, moist, loose
	0.0			
				same as above
	8.8		80	dark brown, very coarse to medium SAND with gravels and trace
				silt and clay, non-plastic, moist loose
	42.4			black, silty SAND, slightly plastic, moist, compact, slight petrol odor
10				brown, medium-fine SAND with some silt, and trace clay and
	12.1			gravels, non-plastic, wet, compact
			80	
	541.2			black, fine-very fine SAND with silt and trace clay, slightly plastic,
	798.6			wet, loose, strong petrol odor and oily sheen
				same as above - less odorous
	23.6			
			100	
	5.4			dark grey, CLAY with some silt and trace shell fragments, very
				plastic, wet, compact, slight petrol odor
20				END OF BORING
30				
40				

Well Construction



Sand Bentonite/Cement

Bentonite PVC Riser PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

DATE: 10/3/2022 DRAWN BY: JA

SCALE: REV. BY:

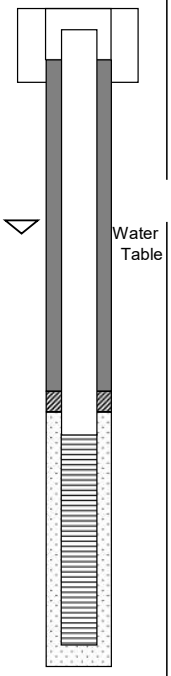
FILE NAME:

Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-11(D)

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**19 ft. - 29 ft. below ground surface**
Date:	**9/28/2022**	**Depth to Water:**	**10.50 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0				brown-red-brown, very coarse-fine SAND with some gravels, and
			100	trace silt and clay, non-plastic-slightly plastic, moist, loose
	0.0			
				same as above
	8.8		80	dark brown, very coarse to medium SAND with gravels and trace silt and clay, non-plastic, moist loose
	42.4			black, silty SAND, slightly plastic, moist, compact, slight petrol odor
10				brown, medium-fine SAND with some silt, and trace clay and
	12.1			gravels, non-plastic, wet, compact
			80	
	541.2			black, fine-very fine SAND with silt and trace clay, slightly plastic,
	798.6			wet, loose, strong petrol odor and oily sheen
				same as above - less odorous
	23.6			
			100	
	5.4			dark grey, CLAY with some silt and trace shell fragments, very plastic, wet, compact, slight petrol odor
20				same as above
	2.4			brown-dark brown, fine-very fine SAND with some silt and clay, non-plastic, wet, loose
	5.0			brown-dark brown, fine-very fine SAND with trace silt and clay, non-plastic, wet, loose
	1.2			same as above
	0.0			brown, coarse-medium SAND with trace silt and clay, non-plast wet, loose
30				END OF BORING
	541.2			
	798.6			
	23.6			
	5.4			
40				



Sand | Bentonite/Cement

Bentonite | PVC Riser | PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

DATE: 10/3/2022 DRAWN BY: JA

SCALE: REV. BY:

FILE NAME:

Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-20(S)

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**6 ft. - 16 ft. below ground surface**
Date:	**9/29/2022**	**Depth to Water:**	**9.35 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0				red-brown-brown, very coarse-fine SAND with trace silt and clay,
			100	non-plastic, moist, loose
	0.0			
				same as above
	0.2		100	FILL - brown, very coarse-coarse SAND with gravels and brick fragments, non-plastic, moist, loose
	35.6			FILL - black, very coarse-coarse SAND with gravels and brick
	38.9			fragments, non-plastic, moist, loose, slight petrol odor
10				brown, very fine SAND with silt and some clay, plastic, wet, loose
	0.2			dark grey-black, silty SAND with some clay, plastic, wet, compact
			100	slight petrol odor
	0.1			dark grey, silty SAND with clay, plastic-very plastic, wet, compact
	0.8			moderate petrol odor
				dark grey, fine-very SAND with trace silt and clay, non-plastic, wet, compact, slight petrol odor and sheen
	27.2		60	
				same as above
20				END OF BORING
30				
40				

Well Construction: Water Table

Sand | Bentonite/Cement

Bentonite | PVC Riser | PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

DATE: 10/3/2022 DRAWN BY: JA

SCALE: REV. BY:

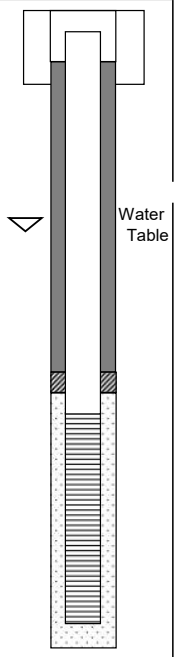
FILE NAME:

Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-15(D)

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**19 ft. - 29 ft. below ground surface**
Date:	**9/29/2022**	**Depth to Water:**	**9.35 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0				red-brown-brown, very coarse-fine SAND with trace silt and clay,
			100	non-plastic, moist, loose
	0.0			
				same as above
	0.2		100	FILL - brown, very coarse-coarse SAND with gravels and brick fragments, non-plastic, moist, loose
	35.6			FILL - black, very coarse-coarse SAND with gravels and brick
	38.9			fragments, non-plastic, moist, loose, slight petrol odor
10				brown, very fine SAND with silt and some clay, plastic, wet, loose
	0.2			dark grey-black, silty SAND with some clay, plastic, wet, compact
			100	slight petrol odor
	0.1			dark grey, silty SAND with clay, plastic-very plastic, wet, compact
	0.8			moderate petrol odor
				dark grey, fine-very SAND with trace silt and clay, non-plastic, wet, compact, slight petrol odor and sheen
	27.2		60	
				same as above
20				same as above - heavy sheen in spots
	24.2			
			100	wood debris with heavy sheen and strong petrol odor
	178.1			
	31.0			wood debris
	354.0			grey-black, fine SAND with some clay, slightly plastic, wet,
			60	compact, very strong petrol odor and heavy sheen
	272.0			grey, clayey SAND, plastic, wet, compact, heavy sheen
30				END OF BORING
40				



Sand | Bentonite/Cement

Bentonite | PVC Riser | PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

DATE: 10/3/2022 DRAWN BY: JA

SCALE: REV. BY:

FILE NAME:

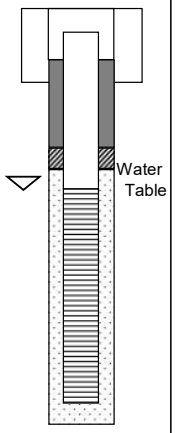
Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-16(S)

Project ID:	**10011-007**	**Drilling Method:**	**Sonic Geoprobe 8140LS**
Site Location:	**Parcel 8 - Long Island City**	**TOC Elevations:**	**-**
Field Supervisor:	**J. Arey**	**Well Diameter:**	**2 in.**
Driller:	**Eastern Environmental**	**Screen Interval:**	**8.5 ft. - 18.5 ft. below ground surface**
Date:	**9/30/2022**	**Depth to Water:**	**8.50 ft. below top of casing**

Depth Below Surface (ft)	PID Reading (ppm)	Blow Counts per 6" of Sample	Recovery (%)	Lithology
0				red-brown-brown, coarse-fine SAND with some gravels and trace
	0.0		100	silt and clay, non-plastic, moist, loose
	0.0			same as above
				same as above
	0.0		40	grey GRAVELS with medium-fine sand
				FILL - dark brown, medium-fine SAND with gravels and brick
	0.0			fragments, non-plastic, moist, loose
10	23.2			red-brown, medium-fine SAND with trace silt and clay, non-plastic, wet, loose
	160.6		40	
	209.1			black GRAVELS with silt and clay, and some fine sand, non-plastic, wet, loose, moderate petrol odor
	282.4			dark grey-black, GRAVELS with some coarse sand and silt, non-plastic, wet, loose, strong petrol odor, heavy sheen
			20	
	636.1			same as above
20				END OF BORING
30				
40				

Well Construction



Sand — Bentonite/Cement

Bentonite — PVC Riser — PVC Screen (Sch. 40-0.02" slot)

SOIL BORING LOG

DATE: 10/3/2022 DRAWN BY: JA

SCALE: REV. BY:

FILE NAME:

Fleming Lee Shue, Environmeental Engineering & Geology, D.P.C.
158 West 29th Street, 9th FL
New York, New York 10001
(212) 675-3225

Attachment C
Well Development/Purge Logs

Fleming Lee Shue

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well:	MW-7R	Well Volume :	2.50 gal	Initial Depth to Water:	11.20 ft-btc
Date:	10/19/22	Total Gallons Purged:	5.14 gal	Depth to Product:	- ft-btc
Time Pump On:	11:35	Average Purge Rate:	259.36 mL/min	Total Depth:	27.20 ft-btc
Time of Sample Collection:	12:30	Purge Method:	peripump	Water Column:	16.00 ft
Time Pump Off:	12:50	PID Reading:	121.1 ppm	Well Diameter	2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
11:35	0				7.42	4.18	248	0.001	186	8.60	0.000	0.00	-
11:40	5				16.42	7.95	-97	1.00	34.5	0.00	0.641	0.5	no color / product-like odor
11:45	10				16.76	8.22	-155	1.04	31.3	0.00	0.665	0.5	no color / product-like odor
11:50	15				16.79	8.29	-185	1.13	25.6	0.00	0.723	0.6	no color / product-like odor
11:55	20				16.66	8.32	-194	1.14	20.8	0.00	0.730	0.6	no color / product-like odor
12:00	25				16.73	8.35	-203	1.13	53.1	0.00	0.727	0.6	slightly turbid / product-like odor
12:05	30				16.70	8.37	-209	1.16	49.7	0.00	0.743	0.6	slightly turbid / product-like odor
12:10	35				16.71	8.36	-212	1.22	41.5	0.00	0.795	0.6	slightly turbid / product-like odor
12:15	40				16.71	8.31	-211	1.49	24.2	0.00	0.944	0.7	slightly turbid / product-like odor
12:20	45				16.67	8.28	-210	1.45	23.1	0.00	1.06	0.8	slightly turbid / product-like odor
12:25	50				16.82	8.23	-208	1.44	20.2	0.00	1.12	0.9	slightly turbid / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: Duplicates sampled at 9:09. Total volume removed from MWR-2I = 5300 mL (sample volumes included).
Initial water temperature = 88.26°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**
Well resampled after tubing complications on 11/15/2018.

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-9 | Well Volume : 2.35 gal | Initial Depth to Water: 8.69 ft-btc

Date: 10/20/22 | Total Gallons Purged: 4.14 gal | Depth to Product: - ft-btc

Time Pump On: 13:25 | Average Purge Rate: 241.04 mL/min | Total Depth: 23.75 ft-btc

Time of Sample Collection: 14:15 | Purge Method: peripump | Water Column: 15.06 ft

Time Pump Off: 14:30 | PID Reading: 23.3 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
13:25	0				18.25	8.38	-15	0.000	167	10.08	0.000	0.0	-
13:30	5				16.59	8.46	-100	2.10	63.6	0.15	1.34	1.1	black tinge / product-like odor
13:35	10				16.38	8.47	-115	2.11	56.2	0.00	1.35	1.1	black tinge / product-like odor
13:40	15				16.41	8.50	-127	2.10	40.8	0.00	1.35	1.1	black tinge / product-like odor
13:45	20				16.36	8.54	-140	2.10	0.7	0.00	1.34	1.1	black tinge / product-like odor
13:50	25				16.36	8.54	-144	2.09	30.8	0.00	1.34	1.1	black tinge / product-like odor
13:55	30				16.32	8.54	-150	2.09	27.8	0.00	1.34	1.1	black tinge / product-like odor
14:00	35				16.34	8.55	-155	2.09	26.2	0.00	1.34	1.1	black tinge / product-like odor
14:05	40				16.32	8.55	-160	2.08	26.0	0.00	1.33	1.1	black tinge / product-like odor
14:10	45				16.32	8.56	-161	2.08	26.0	0.00	1.33	1.1	black tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if > 0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: Duplicates sampled at 14:22. Total volume removed from MWR-2S = 1920 mL (sample volumes included).
Initial water temperatue = not taken. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-10 | Well Volume : 2.63 gal | Initial Depth to Water: 9.55 ft-btc

Date: 10/20/22 | Total Gallons Purged: 3.94 gal | Depth to Product: - ft-btc

Time Pump On: 10:35 | Average Purge Rate: 271.10 mL/min | Total Depth: 26.41 ft-btc

Time of Sample Collection: 11:20 | Purge Method: peripump | Water Column: 16.86 ft

Time Pump Off: 11:40 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
10:35	0				16.23	8.13	-74	2.210	68.6	3.00	1.410	1.13	yellow-brown / petroluem-like odor
10:40	5				16.40	8.08	-133	2.22	27.1	0.26	1.42	1.14	yellow-brown / petroluem-like odor
10:45	10				16.39	8.02	-186	2.47	17.6	0.00	1.59	1.27	yellow-brown / petroluem-like odor
10:50	15				16.21	7.93	-258	2.71	55.0	0.00	1.73	1.40	yellow-brown / petroluem-like odor
10:55	20				16.18	7.93	-295	2.76	50.9	0.00	1.77	1.42	yellow-brown / petroluem-like odor
11:00	25				16.12	7.95	-316	2.79	43.8	0.00	1.79	1.44	yellow-brown / petroluem-like odor
11:05	30				16.12	7.90	-330	4.26	47.9	0.00	2.70	2.24	yellow-brown / petroluem-like odor
11:10	35				16.14	7.87	-335	5.82	73.6	0.00	3.51	3.00	yellow-brown / petroluem-like odor
11:15	40				16.17	7.86	-339	5.87	74.7	0.00	3.68	3.16	yellow-brown / petroluem-like odor
11:20	45				16.17	7.85	-343	5.94	69.2	0.00	3.87	3.33	yellow-brown / petroluem-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2}* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates sampled on this well. Total volume removed from MWR-3S = 5190 mL (sample volumes included).
Initial water temperature = 92.88°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-11(D) | Well Volume : 2.89 gal | Initial Depth to Water: 10.49 ft-btc

Date: 10/20/22 | Total Gallons Purged: 3.04 gal | Depth to Product: - ft-btc

Time Pump On: 8:30 | Average Purge Rate: 244.84 mL/min | Total Depth: 29.02 ft-btc

Time of Sample Collection: 9:00 | Purge Method: peripump | Water Column: 18.53 ft

Time Pump Off: 9:17 | PID Reading: 5.5 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
8:30	0				10.19	4.52	46	2.16	196	8.76	1.52	1.20	slight yellow tinge / stong petroluem odor
8:35	5				15.76	7.97	-81	2.10	59.2	0.69	1.34	1.07	slight yellow tinge / stong petroluem odor
8:40	10				16.10	8.19	-113	2.18	44.0	0.21	1.40	1.12	slight yellow tinge / stong petroluem odor
8:45	15				16.20	8.21	-155	3.00	18.8	0.00	1.93	1.56	slight yellow tinge / stong petroluem odor
8:50	20				16.20	8.21	-210	3.57	15.5	0.00	2.14	1.75	slight yellow tinge / stong petroluem odor
8:55	25				16.08	8.24	-214	3.59	16.2	0.00	2.24	1.83	slight yellow tinge / stong petroluem odor
9:00	30				16.09	8.26	-215	3.55	17.0	0.00	2.27	1.86	slight yellow tinge / stong petroluem odor

Allowable Fluctuations: 3% | ± 0.1 | ± 10 mV | 3% | 10% if > 5 NTU, 3 rounds if < 5 NTU | 10% if >0.5 mg/L, 3 rounds if < 0.5mg/L

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-15(D) | Well Volume : 2.60 gal | Initial Depth to Water: 9.21 ft-btc

Date: 10/21/22 | Total Gallons Purged: 4.64 gal | Depth to Product: - ft-btc

Time Pump On: 9:15 | Average Purge Rate: 278.80 mL/min | Total Depth: 25.86 ft-btc

Time of Sample Collection: 10:05 | Purge Method: peripump | Water Column: 16.65 ft

Time Pump Off: 10:18 | PID Reading: 1.3 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
9:15	0				13.97	8.43	-175	0.000	173	11.01	0.000	0.0	-
9:20	5				15.62	8.81	-289	3.43	3.3	0.00	2.20	1.8	yellow tinge / product-like odor
9:25	10				15.68	8.82	-317	3.45	5.1	0.00	2.21	1.8	yellow tinge / product-like odor
9:30	15				15.69	8.81	-322	3.46	4.9	0.00	2.21	1.8	yellow tinge / product-like odor
9:35	20				15.70	8.8	-326	3.46	3.1	0.00	2.22	1.8	yellow tinge / product-like odor
9:40	25				15.67	8.79	-329	3.48	4.1	0.00	2.23	1.8	yellow tinge / product-like odor
9:45	30				15.67	8.78	-330	3.50	3.0	0.00	2.24	1.8	yellow tinge / product-like odor
9:50	35				15.67	8.78	-331	3.53	3.9	0.00	2.26	1.8	yellow tinge / product-like odor
9:55	40				15.67	8.79	-333	3.54	3.7	0.00	2.26	1.9	yellow tinge / product-like odor
10:00	45				15.66	8.77	-333	3.55	3.6	0.00	2.27	1.9	yellow tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates sampled on this well. Total volume removed from MWR-1I = 8190 mL (sample volumes included).
Initial water temperature = 91 °C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-16(S) | Well Volume : 1.45 gal | Initial Depth to Water: 8.75 ft-btc

Date: 10/19/22 | Total Gallons Purged: 6.14 gal | Depth to Product: - ft-btc

Time Pump On: 12:55 | Average Purge Rate: 273.37 mL/min | Total Depth: 18.07 ft-btc

Time of Sample Collection: 13:45 | Purge Method: peripump | Water Column: 9.32 ft

Time Pump Off: 14:20 | PID Reading: 90.1 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
12:55	0				17.95	7.32	-24	0.976	42.1	3.09	0.625	0.00	-
13:00	5				18.36	7.65	-94	1.30	28.2	0.39	0.838	0.65	no color / slight product-like odor
13:05	10				18.47	7.77	-153	1.34	18.6	0.00	0.856	0.67	brown tinge / product-like odor
13:10	15				18.54	7.79	-176	1.30	17.6	0.00	0.835	0.65	brown tinge / product-like odor
13:15	20				18.57	7.79	-184	1.24	16.6	0.00	0.797	0.62	brown tinge / product-like odor
13:20	25				18.61	7.76	-189	1.23	17.7	0.00	0.790	0.61	brown tinge / product-like odor
13:25	30				18.67	7.77	-195	1.24	20.8	0.00	0.790	0.61	brown tinge / product-like odor
13:30	35				18.68	7.77	-199	1.23	17.6	0.00	0.787	0.61	brown tinge / product-like odor
13:35	40				18.70	7.77	-203	1.23	18.6	0.00	0.787	0.61	brown tinge / product-like odor
13:40	45				18.69	7.77	-207	1.24	18.8	0.00	0.792	0.62	brown tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if > 0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates sampled from this well. Total volume removed from MWR-3I = 6190 mL (sample volumes included).
Initial water temperature =101.56°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**
Adjusted sensor selection at 13:07. Graduated cylinder overflow at 13:10.

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-17(S) | Well Volume : 1.18 gal | Initial Depth to Water: 8.58 ft-btc

Date: 10/20/22 | Total Gallons Purged: 4.04 gal | Depth to Product: - ft-btc

Time Pump On: 9:25 | Average Purge Rate: 305.78 mL/min | Total Depth: 16.17 ft-btc

Time of Sample Collection: 10:00 | Purge Method: peripump | Water Column: 7.59 ft

Time Pump Off: 10:15 | PID Reading: 4.8 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
9:25	0				16.27	8.11	-74	1.40	6.7	2.81	0.881	0.68	yellow tinge / petroluem-like odor
9:30	5				17.83	8.02	-132	1.21	3.2	0.40	0.775	0.60	yellow tinge / petroluem-like odor
9:35	10				18.19	7.91	-154	1.11	15.6	0.00	0.707	0.55	yellow tinge / petroluem-like odor
9:40	15				18.18	7.93	-162	1.12	19.9	0.00	0.715	0.55	yellow tinge / petroluem-like odor
9:45	20				17.97	8.01	-171	1.15	15.8	0.00	0.737	0.57	yellow tinge / petroluem-like odor
9:50	25				17.99	8.05	-177	1.19	12.7	0.00	0.756	0.58	yellow tinge / petroluem-like odor
9:55	30				17.98	8.09	-179	1.20	13.1	0.00	0.766	0.59	yellow tinge / petroluem-like odor
10:00	35				17.92	8.12	-183	1.22	13.9	0.00	0.780	0.60	yellow tinge / petroluem-like odor
Allowable Fluctuations:					3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No samples collected from this well. Total volume removed from MWR-4S = 3940 mL (sample volumes included).
Initial water temperature = 100.15°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-19(D) | Well Volume : 3.71 gal | Initial Depth to Water: 8.46 ft-btc

Date: 10/20/22 | Total Gallons Purged: 4.04 gal | Depth to Product: - ft-btc

Time Pump On: 9:15 | Average Purge Rate: 242.75 mL/min | Total Depth: 32.23 ft-btc

Time of Sample Collection: 10:05 | Purge Method: peripump | Water Column: 23.77 ft

Time Pump Off: 10:18 | PID Reading: 49.9 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
11:50	0				15.67	8.25	-311	1.920	10	1.67	1.230	0.97	yellow-brown tinge / petroleum-like odor
11:55	5				16.05	8.15	-338	1.85	3.1	0.00	1.18	0.93	yellow-brown tinge / petroleum-like odor
12:00	10				16.17	8.11	-345	1.82	3.6	0.00	1.16	0.93	yellow-brown tinge / petroleum-like odor
12:05	15				16.24	8.09	-349	1.81	2.2	0.00	1.16	0.92	yellow-brown tinge / petroleum-like odor
12:10	20				16.36	8.10	-352	1.80	2.0	0.00	1.15	0.92	yellow-brown tinge / petroleum-like odor
12:15	25				16.56	8.10	-358	1.78	4.8	0.00	1.14	0.91	yellow-brown tinge / petroleum-like odor
12:20	30				16.57	8.10	-360	1.78	2.20	0.00	1.14	0.90	yellow-brown tinge / petroleum-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-20(S) | Well Volume : 1.06 gal | Initial Depth to Water: 9.21 ft-btc

Date: 10/21/22 | Total Gallons Purged: 4.64 gal | Depth to Product: - ft-btc

Time Pump On: 8:05 | Average Purge Rate: 270.15 mL/min | Total Depth: 15.97 ft-btc

Time of Sample Collection: 8:55 | Purge Method: peripump | Water Column: 6.76 ft

Time Pump Off: 9:10 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
8:05	0				11.30	4.14	284	0.002	178	8.29	0.001	0.0	-
8:10	5				15.91	8.05	-162	2.15	110	0.00	1.36	1.1	black tinge / product-like odor
8:15	10				16.32	7.98	-197	1.87	88.6	0.00	1.28	1.0	black tinge / product-like odor
8:20	15				16.41	7.95	-216	1.82	35.5	0.00	1.16	0.9	black tinge / product-like odor
8:25	20				16.49	7.93	-235	1.87	7.6	0.00	1.20	0.9	black tinge / product-like odor
8:30	25				16.54	7.92	-250	1.89	3.5	0.00	1.21	1.0	black tinge / product-like odor
8:35	30				16.59	7.92	-271	1.92	1.3	0.00	1.23	1.0	black tinge / product-like odor
8:40	35				16.61	7.91	-286	1.94	0.0	0.00	1.24	1.0	black tinge / product-like odor
8:45	40				16.34	7.92	-287	1.96	0.0	0.00	1.25	1.0	black tinge / product-like odor
8:50	45				16.66	7.92	-293	1.93	0.0	0.00	1.24	1.0	black tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if > 0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates sampled on this well. Total volume removed from MWR-1S = 5690 mL (sample volumes included).
Initial water temperature = 95°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well:	MW-21(S)	Well Volume :	1.05 gal	Initial Depth to Water:	9.07 ft-btc
Date:	10/20/22	Total Gallons Purged:	4.14 gal	Depth to Product:	- ft-btc
Time Pump On:	8:45	Average Purge Rate:	241.10 mL/min	Total Depth:	15.79 ft-btc
Time of Sample Collection:	9:35	Purge Method:	peripump	Water Column:	6.72 ft
Time Pump Off:	9:50	PID Reading:	53.4 ppm	Well Diameter	2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
8:45	0				9.85	4.52	281	0.001	169	11.25	0.001	0.00	-
8:50	5				17.90	7.53	-28	0.721	29.1	0.27	0.460	0.3	no color / slight product-like odor
8:55	10				18.53	8.32	-131	0.693	122	0.10	0.443	0.3	no color / slight product-like odor
9:00	15				18.63	8.60	-177	0.678	86.5	0.00	0.434	0.3	no color / slight product-like odor
9:05	20				18.37	8.83	-207	0.661	9.6	0.00	0.423	0.3	no color / slight product-like odor
9:10	25				18.30	8.84	-213	0.660	0.0	0.00	0.422	0.3	no color / product-like odor
9:15	30				18.40	8.83	-222	0.657	0.0	0.00	0.421	0.3	no color / product-like odor
9:20	35				18.43	8.79	-229	0.660	0.0	0.00	0.423	0.3	no color / product-like odor
9:25	40				18.45	8.78	-235	0.669	0.0	0.00	0.428	0.3	no color / product-like odor
9:30	45				18.51	8.79	-239	0.675	0.0	0.00	0.432	0.3	no color / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-24(S) | Well Volume : 1.35 gal | Initial Depth to Water: 5.53 ft-btc

Date: 10/21/22 | Total Gallons Purged: 4.04 gal | Depth to Product: - ft-btc

Time Pump On: 8:10 | Average Purge Rate: 299.86 mL/min | Total Depth: 14.15 ft-btc

Time of Sample Collection: 8:45 | Purge Method: peripump | Water Column: 8.62 ft

Time Pump Off: 9:01 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
8:10	0				18.53	7.89	-333	17.1	77.5	0.00	10.6	9.98	no color / petroluem-like odor
8:15	5				18.41	7.92	-346	16.00	95.6	0.00	9.90	9.30	no color / petroluem-like odor
8:20	10				18.39	7.94	-350	15.10	40.6	0.00	9.34	8.74	no color / petroluem-like odor
8:25	15				18.37	7.96	-353	14.40	29.4	0.00	8.95	8.35	no color / petroluem-like odor
8:30	20				18.29	7.96	-356	14.20	29.0	0.00	8.78	8.17	no color / petroluem-like odor
8:35	25				18.22	7.97	-358	14.00	23.8	0.00	8.70	8.10	no color / petroluem-like odor
8:40	30				18.23	7.97	-359	14.00	25.0	0.00	8.69	8.08	no color / petroluem-like odor
8:45	35				18.30	7.97	-360	13.90	24.9	0.00	8.63	8.03	no color / petroluem-like odor
Allowable Fluctuations:					3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-24(D) | Well Volume : 4.99 gal | Initial Depth to Water: 5.60 ft-btc

Date: 10/20/22 | Total Gallons Purged: 3.34 gal | Depth to Product: - ft-btc

Time Pump On: 12:55 | Average Purge Rate: 274.85 mL/min | Total Depth: 37.55 ft-btc

Time of Sample Collection: 13:25 | Purge Method: peripump | Water Column: 31.95 ft

Time Pump Off: 13:41 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
12:55	0				17.15	8.17	-306	13.4	1.1	2.61	8.340	7.73	no color / petroluem-like odor
13:00	5				17.04	8.12	-333	13.9	0.0	0.02	8.36	8.01	no color / petroluem-like odor
13:05	10				16.98	8.10	-341	14.0	0.0	0.00	8.67	8.06	no color / petroluem-like odor
13:10	15				16.98	8.08	-346	14.0	0.0	0.00	8.68	8.06	no color / petroluem-like odor
13:15	20				16.97	8.08	-350	14.0	0.0	0.00	8.69	8.09	no color / petroluem-like odor
13:20	25				16.91	8.08	-350	14.0	0.0	0.00	8.70	8.08	no color / petroluem-like odor
13:25	30				16.89	8.08	-353	14.1	0.0	0.00	8.77	8.16	no color / petroluem-like odor
Allowable Fluctuations:					3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2}* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-25(S) | Well Volume : 1.81 gal | Initial Depth to Water: 7.91 ft-btc

Date: 10/21/22 | Total Gallons Purged: 3.39 gal | Depth to Product: - ft-btc

Time Pump On: 12:00 | Average Purge Rate: 171.10 mL/min | Total Depth: 19.49 ft-btc

Time of Sample Collection: 12:50 | Purge Method: peripump | Water Column: 11.58 ft

Time Pump Off: 13:15 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
11:50	0				20.33	8.91	-212	0.002	128	11.49	0.002	0.0	-
11:55	5				17.15	7.45	-186	19.5	0.0	0.00	12.1	11.6	yellow tinge / product-like odor
12:00	10				17.15	7.40	-189	19.5	0.0	0.00	12.1	11.6	yellow tinge / product-like odor
12:05	15				17.10	7.37	-190	19.5	0.0	0.00	12.1	11.6	yellow tinge / product-like odor
12:10	20				17.09	7.34	-191	19.5	0.0	0.00	12.1	11.6	yellow tinge / product-like odor
12:15	25				17.12	7.32	-192	19.6	0.0	0.00	12.1	11.6	yellow tinge / product-like odor
12:20	30				17.10	7.35	-193	19.6	0.0	0.00	12.2	11.6	yellow tinge / product-like odor
12:25	35				17.07	7.31	-195	19.6	0.0	0.00	12.1	11.6	yellow tinge / product-like odor
12:30	40				17.06	7.30	-195	19.6	0.0	0.00	12.2	11.60	yellow tinge / product-like odor
Allowable Fluctuations:					3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if > 0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2}* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well:	MW-25(D)	Well Volume :	3.26 gal	Initial Depth to Water:	7.75 ft-btc
Date:	10/21/22	Total Gallons Purged:	3.84 gal	Depth to Product:	- ft-btc
Time Pump On:	11:50	Average Purge Rate:	259.57 mL/min	Total Depth:	28.65 ft-btc
Time of Sample Collection:	12:30	Purge Method:	peripump	Water Column:	20.9 ft
Time Pump Off:	12:46	PID Reading:	0.0 ppm	Well Diameter	2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
11:50	0				20.32	7.76	-240	23.1	16.6	2.53	14.4	14.02	no color /petroleum-like odor
11:55	5				16.66	7.70	-252	26.8	3.4	0.00	16.6	16.33	no color /petroleum-like odor
12:00	10				16.60	7.69	-260	27.0	0.0	0.00	16.7	16.45	no color /petroleum-like odor
12:05	15				16.29	7.66	-266	27.1	0.0	0.00	16.8	16.56	no color /petroleum-like odor
12:10	20				16.28	7.64	-266	27.2	0.0	0.00	16.9	16.58	no color /petroleum-like odor
12:15	25				16.29	7.62	-267	27.2	0.0	0.00	16.9	16.61	no color /petroleum-like odor
12:20	30				16.24	7.61	-268	27.2	0.0	0.00	16.9	16.59	no color /petroleum-like odor
12:25	35				16.23	7.59	-269	27.2	0.0	0.00	16.9	16.60	no color /petroleum-like odor
12:30	40				16.24	7.58	-270	27.2	0.0	0.00	16.9	16.56	no color /petroleum-like odor

Notes:
ppm = parts per million
min = minutes

DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

Allowable Fluctuations:

Temp	pH	ORP	Cond	Turbidity	D.O.
3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2}* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-26(S) | Well Volume : 1.55 gal | Initial Depth to Water: 6.25 ft-btc

Date: 10/13/22 | Total Gallons Purged: 3.39 gal | Depth to Product: - ft-btc

Time Pump On: 10:30 | Average Purge Rate: 183.32 mL/min | Total Depth: 16.15 ft-btc

Time of Sample Collection: 11:20 | Purge Method: peripump | Water Column: 9.9 ft

Time Pump Off: 11:40 | PID Reading: 28.6 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
10:30	0				13.58	9.15	-200	0.001	165	9.30	0.001	0.00	-
10:35	5				17.67	8.14	-267	3.14	70.2	0.46	2.01	1.6	yellow tinge / product-like odor
10:40	10				17.61	7.75	-321	3.32	19.5	0.00	2.13	1.7	yellow tinge / product-like odor
10:45	15				17.55	7.74	-324	3.37	64.6	0.00	2.16	1.8	yellow tinge / product-like odor
10:50	20				17.40	7.68	-332	3.34	107	0.00	2.11	1.7	yellow tinge / product-like odor
10:55	25				17.39	7.62	-346	3.34	58.5	0.33	2.29	1.9	yellow tinge / product-like odor
11:00	30				17.37	7.68	-364	3.73	54.7	0.77	2.39	2.0	yellow tinge / product-like odor
11:05	35				17.35	7.59	-370	3.67	36.0	0.58	2.35	1.9	yellow tinge / product-like odor
11:10	40				17.36	7.57	-373	3.63	38.0	0.55	2.32	1.9	yellow tinge / product-like odor
11:15	45				17.35	7.56	-374	3.59	37.1	0.53	2.30	1.9	yellow tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-26(D) | Well Volume : 3.10 gal | Initial Depth to Water: 7.51 ft-btc

Date: 11/8/22 | Total Gallons Purged: 4.79 gal | Depth to Product: - ft-btc

Time Pump On: 12:10 | Average Purge Rate: 248.39 mL/min | Total Depth: 27.39 ft-btc

Time of Sample Collection: 13:05 | Purge Method: peripump | Water Column: 19.88 ft

Time Pump Off: 13:23 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
12:10	0				16.86	3.79	274	0.002	146	8.45	0.00	0.0	-
12:15	5				16.21	7.76	-148	6.32	106	0.00	3.97	3.4	slight yellow tinge / product-like odor
12:20	10				16.16	7.82	-189	6.21	94	0.00	3.91	3.4	slight yellow tinge / product-like odor
12:25	15				16.14	7.83	-200	6.19	90	0.00	3.90	3.4	slight yellow tinge / product-like odor
12:30	20				16.10	7.83	-209	6.18	95	0.00	3.89	3.3	slight yellow tinge / product-like odor
12:35	25				16.11	7.84	-221	6.12	94	0.00	3.86	3.3	slight yellow tinge / product-like odor
12:40	30				15.98	7.84	-232	6.10	105	0.00	3.84	3.3	slight yellow tinge / product-like odor
12:45	35				15.96	7.84	-243	6.09	110.0	0.00	3.83	3.3	slight yellow tinge / product-like odor
12:50	40				16.13	7.84	-258	3.10	100	0.00	3.84	3.3	slight yellow tinge / product-like odor
12:55	45				16.09	7.84	-264	6.12	98	0.00	3.86	3.3	slight yellow tinge / product-like odor
13:00	50				16.01	7.84	-268	6.16	91.2	0.00	3.89	3.3	slight yellow tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-27(S) | Well Volume : 1.07 gal | Initial Depth to Water: 8.38 ft-btc

Date: 10/21/22 | Total Gallons Purged: 4.64 gal | Depth to Product: - ft-btc

Time Pump On: 10:30 | Average Purge Rate: 287.94 mL/min | Total Depth: 15.25 ft-btc

Time of Sample Collection: 11:15 | Purge Method: peripump | Water Column: 6.87 ft

Time Pump Off: 11:31 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
10:30	0				16.33	8.10	-240	2.990	665	0.91	1.900	1.54	black tinge / petroluem-like odor
10:35	5				17.98	7.96	-281	2.71	461.0	0.00	1.73	1.39	black tinge / petroluem-like odor
10:40	10				18.82	7.93	-310	2.47	207.0	0.00	1.58	1.26	black tinge / petroluem-like odor
10:45	15				18.82	7.90	-332	2.34	172.0	0.00	1.50	1.20	black tinge / petroluem-like odor
10:50	20				18.84	7.87	-359	2.16	103.0	0.00	1.38	1.10	black tinge / petroluem-like odor
10:55	25				18.93	7.85	-373	2.07	77.3	0.00	1.32	1.05	black tinge / petroluem-like odor
11:00	30				18.95	7.84	-388	1.99	61.9	0.00	1.28	1.01	black tinge / petroluem-like odor
11:05	35				18.95	7.83	-395	1.97	59.2	0.00	1.25	1.00	black tinge / petroluem-like odor
11:10	40				18.95	7.85	-395	1.95	60.5	0.00	1.25	0.99	black tinge / petroluem-like odor
11:15	45				19.07	7.80	-400	1.96	59.2	0.00	1.25	0.99	black tinge / petroluem-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2}* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-27(D) | Well Volume : 3.39 gal | Initial Depth to Water: 8.39 ft-btc

Date: 10/21/22 | Total Gallons Purged: 4.04 gal | Depth to Product: - ft-btc

Time Pump On: 9:20 | Average Purge Rate: 268.30 mL/min | Total Depth: 30.13 ft-btc

Time of Sample Collection: 10:00 | Purge Method: peripump | Water Column: 21.74 ft

Time Pump Off: 10:17 | PID Reading: 19.6 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
9:20	0				16.82	7.84	-290	5.24	19.9	0.19	3.29	2.80	yellow-brown / petroluem-like odor
9:25	5				17.28	7.81	-326	5.21	10.4	0.00	3.29	2.80	yellow-brown / petroluem-like odor
9:30	10				17.00	7.73	-333	5.41	10.8	0.00	3.41	2.91	yellow-brown / petroluem-like odor
9:35	15				16.95	7.72	-337	5.33	33.3	0.00	3.36	2.86	yellow-brown / petroluem-like odor
9:40	20				16.50	7.69	-343	5.10	68.0	0.00	3.21	2.73	yellow-brown / petroluem-like odor
9:45	25				16.47	7.69	-344	5.01	72.5	0.00	3.16	2.68	yellow-brown / petroluem-like odor
9:50	30				16.45	7.68	-346	4.85	75.0	0.00	3.14	2.62	yellow-brown / petroluem-like odor
9:55	35				16.57	7.69	-348	4.80	77.6	0.00	3.07	2.56	yellow-brown / petroluem-like odor
10:00	40				16.49	7.68	-349	4.75	74.6	0.00	3.02	2.51	yellow-brown / petroluem-like odor
	Allowable Fluctuations:				3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well: MW-30(S) | Well Volume : 1.06 gal | Initial Depth to Water: 8.06 ft-btc

Date: 10/20/22 | Total Gallons Purged: 4.14 gal | Depth to Product: - ft-btc

Time Pump On: 10:05 | Average Purge Rate: 195.90 mL/min | Total Depth: 14.86 ft-btc

Time of Sample Collection: 10:55 | Purge Method: peripump | Water Column: 6.80 ft

Time Pump Off: 11:25 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
10:05	0				16.37	8.24	3	0.000	176	13.02	0.000	0.0	-
10:10	5				18.59	7.31	-1	0.959	86.4	0.54	0.613	0.5	slightly turbid / no odor
10:15	10				18.90	7.19	-3	0.932	103	0.14	0.595	0.5	slightly turbid / no odor
10:20	15				18.89	7.16	-2	0.886	45.3	0.21	0.567	0.4	slightly turbid / no odor
10:25	20				19.08	7.13	-6	0.881	0.0	0.25	0.565	0.4	no color / no odor
10:30	25				19.09	7.11	-19	0.897	0.0	0.16	0.574	0.4	no color / no odor
10:35	30				19.06	7.11	-31	0.909	0.0	0.11	0.582	0.4	no color / no odor
10:40	35				19.19	7.09	-47	0.943	0.0	0.14	0.590	0.4	no color / no odor
10:45	40				19.19	7.16	-50	0.941	0.0	0.00	0.603	0.5	no color / no odor
10:50	45				19.02	7.17	-55	0.941	0.0	0.06	0.622	0.5	no color / no odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: Former QWD - Parcel 8
Project Location: Long Island City, NY

Monitoring Well:	MW-30(D)	Well Volume :	3.05 gal	Initial Depth to Water:	8.64 ft-btc
Date:	10/20/22	Total Gallons Purged:	4.14 gal	Depth to Product:	- ft-btc
Time Pump On:	11:45	Average Purge Rate:	195.90 mL/min	Total Depth:	28.21 ft-btc
Time of Sample Collection:	12:35	Purge Method:	peripump	Water Column:	19.57 ft
Time Pump Off:	13:05	PID Reading:	0.0 ppm	Well Diameter	2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
11:45	0				18.30	7.62	28	0.000	176	7.60	0.000	0.00	-
11:50	5				17.22	7.85	-75	1.71	0.0	0.30	1.10	0.9	no color / slight product-like odor
11:55	10				17.32	7.82	-84	1.68	0.0	0.00	1.08	0.8	no color / slight product-like odor
12:00	15				17.36	7.83	-92	1.68	0.0	0.00	1.08	0.8	no color / slight product-like odor
12:05	20				17.42	7.83	-99	1.69	0.0	0.00	0.08	0.9	yellow tinge / product-like odor
12:10	25				17.43	7.84	-103	1.69	0.0	0.00	1.08	0.9	yellow tinge / product-like odor
12:15	30				17.39	7.84	-108	1.67	0.0	0.00	1.07	0.8	yellow tinge / product-like odor
12:20	35				17.33	7.85	-111	1.44	0.0	0.00	1.05	0.8	yellow tinge / product-like odor
12:25	40				17.24	7.86	-115	1.49	0.0	0.00	0.951	0.7	yellow tinge / product-like odor
12:30	45				17.19	7.85	-118	1.35	0.0	0.00	0.846	0.7	yellow tinge / product-like odor
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Notes: No duplicates collected from this well. Total volume removed from MWR-4I = 5940 mL (sample volumes included).
Initial water temperature = 100.2°C. **USEPA EQASOP - GW001 method utilized during this sampling event.**

Attachment D
Laboratory Reports

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

SGS Job Number: JD54013

Sampling Dates: 10/19/22 - 10/21/22



Report to:

Fleming-Lee Shue, Inc.

jordan@flemingleeshue.com

ATTN: Jordan Arey

Total number of pages in report: **214**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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EHS.US.CustomerCare@sgs.com

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SGS LabLink@1151967 14:27 09-Dec-2022

Sample Summary

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

Job No: JD54013

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD54013-1	10/19/22	12:30	JA	10/19/22	AQ	Ground Water	MW-7R
JD54013-2	10/19/22	13:45	LS	10/19/22	AQ	Ground Water	MW-16(S)
JD54013-3	10/19/22	13:20	JA	10/19/22	AQ	Field Blank Water	FB-1
JD54013-4	10/19/22	13:45		10/19/22	AQ	Trip Blank Water	TB-1
JD54013-5	10/20/22	10:00	BH	10/20/22	AQ	Ground Water	MW-17(S)
JD54013-6	10/20/22	09:00	BH	10/20/22	AQ	Ground Water	MW-11(D)
JD54013-7	10/20/22	09:35	JA	10/20/22	AQ	Ground Water	MW-21(S)
JD54013-8	10/20/22	10:55	JA	10/20/22	AQ	Ground Water	MW-30(S)
JD54013-9	10/20/22	12:35	JA	10/20/22	AQ	Ground Water	MW-30(D)
JD54013-10	10/20/22	12:20	BH	10/20/22	AQ	Ground Water	MW-19(D)
JD54013-11	10/20/22	11:20	BH	10/20/22	AQ	Ground Water	MW-10
JD54013-12	10/20/22	13:25	BH	10/20/22	AQ	Ground Water	MW-24(D)

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Sample Summary
(continued)

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

Job No: JD54013

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD54013-13	10/20/22	14:15	JA	10/20/22	AQ	Ground Water	MW-9
JD54013-14	10/20/22	14:15	JA	10/20/22	AQ	Ground Water	MW-9 DUP
JD54013-15	10/21/22	08:10	BH	10/21/22	AQ	Ground Water	MW-24(S)
JD54013-16	10/21/22	12:50	JA	10/21/22	AQ	Ground Water	MW-25(S)
JD54013-17	10/21/22	12:30	BH	10/21/22	AQ	Ground Water	MW-25(D)
JD54013-18	10/21/22	11:15	BH	10/21/22	AQ	Ground Water	MW-27(S)
JD54013-19	10/21/22	10:00	BH	10/21/22	AQ	Ground Water	MW-27(D)
JD54013-20	10/21/22	08:55	JA	10/21/22	AQ	Ground Water	MW-20(S)
JD54013-21	10/21/22	10:05	JA	10/21/22	AQ	Ground Water	MW-15(D)
JD54013-22	10/21/22	11:20	JA	10/21/22	AQ	Ground Water	MW-26(S)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc. **Job No:** JD54013

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY **Report Date** 11/10/2022 2:27:05 P

Between 10/19/2022 and 10/21/2022, 20 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 4.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD54013 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1A9741

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54107-2MS, JD54107-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,4-Dioxane are outside of in house control limits.
- RPD(s) for MS/MSD for 1,4-Dioxane are outside of in house control limits.
- JD54013-19: Dilution required due to high concentraton of non-target compound.
- JD54013-22: (pH=6)Sample pH did not satisfy field preservation criteria.
- JD54013-20: (pH=5)Sample pH did not satisfy field preservation criteria.Dilution required due to high concentraton of non-target compound.
- JD54013-21: (pH=3)Sample pH did not satisfy field preservation criteria.
- JD54013-21: (pH=3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.
- JD54013-22 for 1,4-Dioxane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-21 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-19 for 1,4-Dioxane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-20 for 1,4-Dioxane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V1A9741-BS for 1,4-Dioxane: Outside control limits. This compound is not reported in associated samples.

Matrix: AQ **Batch ID:** V1U2006

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54013-22MS, JD54013-22MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for Benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD54013-22: Preliminary data. (pH=6)Sample pH did not satisfy field preservation criteria. Dilutionn due to high concentration of target compound.
- JD54013-22 for Chloroform: Associated CCV outside of control limits high.
- JD54013-22 for Acetone: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1U2006

- JD54013-16 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD54013-18 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD54013-18 for Chloroform: Associated CCV outside of control limits high, sample was ND.
- JD54013-16 for Chloroform: Associated CCV outside of control limits high, sample was ND.
- V1U2006-BS for trans-1,2-Dichloroethene: Outside of in house control limits, but within the marginal exceedance limits.

Matrix: AQ **Batch ID:** V2A9618

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54227-4MS, JD54227-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Tetrachloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD54013-14: Dilution required due to high concentration of target compound.corr no pH
- JD54013-13: Dilution required due to high concentration of target compound.
- JD54013-11: (pH=6)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of non-target compound.
- JD54013-14 for 1,2-Dichloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-13 for 1,2-Dichloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-11 for 1,2-Dichloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-8 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-8 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-12 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-12 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-8 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-12 for 1,2-Dichloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-12 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-8 for 1,2-Dichloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-8 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-12 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V2U2006

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-21MS, JD54013-21MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD54013-21: (pH=3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2U2006

- JD54013-17 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD54013-15 for Xylene (total): Associated CCV outside of control limits low.
- JD54013-15 for o-Xylene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-15 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD54013-17 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-17 for 1,1-Dichloroethene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-15 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-15 for 1,1-Dichloroethene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-17 for Xylene (total): Associated CCV outside of control limits low.
- JD54013-17 for o-Xylene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V3D7704

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-1MS, JD54013-1MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for Ethylbenzene,m,p--Xylene, o-Xylene, Xylene (total), Benzene, Toluene are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Benzene, Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD54013-1: Dilution required due to high concentrations of target and non-target compounds.
- JD54013-1 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-4 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-4 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-4 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V3D7708

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-2MS, JD54013-2MSD were used as the QC samples indicated.
- RPD(s) for MS/MSD for 1,4-Dioxane are outside control limits Outside control limits due to matrix interference.
- JD54013-2: Dilution required due to high concentration of non-target compound.
- JD54013-2 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-3 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD54013-3 for Chloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V3D7708

- JD54013-3 for Acetone: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V3D7712

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54013-5MS, JD54013-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD54013-5: Dilution required due to high concentration of non-target compound.
- JD54013-6: Dilution required due to high concentration of non-target compound.
- JD54013-9: Dilution required due to high concentration of non-target compound.
- JD54013-7: Dilution required due to high concentrations of target and non-target compounds.
- JD54013-5 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD54013-6 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD54013-9 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD54013-7 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42633

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54024-2MS, JD54024-2MSD were used as the QC samples indicated.
- JD54013-5: Dilution required due to matrix interference.
- JD54013-5 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-9 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-9 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-8 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-10 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-12 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-13 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-7 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- OP42633-BSD for 2,4-Dimethylphenol: Analytical precision exceeds in-house control limits.
- JD54013-5 for Phenol-d5: Outside control limits due to dilution.
- JD54013-5 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-2 for Phenol-d5: Outside control limits due to dilution.
- JD54013-9 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-14 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-8 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-9 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-9 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-8 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-9 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-8 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-8 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-8 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-8 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42633

- JD54013-12 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-10 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-10 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-12 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-11 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD54013-14 for Phenol-d5: Outside control limits due to dilution.
- JD54013-14 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-10 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-11 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-11 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-11 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-13 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-11 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-11 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-14 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JD54013-11 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-9 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD54013-11 for Phenol-d5: Outside control limits due to dilution.
- JD54013-14 for 2-Fluorophenol: Outside control limits due to matrix interference.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42633

- JD54013-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-14 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-13 for 2-Fluorobiphenyl: Outside of in house control limits.
- JD54013-1 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-11 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-14 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD54013-9 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-14 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-14 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD54013-14 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-13 for 2-Fluorophenol: Outside of in house control limits.
- JD54013-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-2 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-1 for Phenol-d5: Outside control limits due to dilution.
- JD54013-14 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-13 for Phenol-d5: Outside control limits due to dilution.
- JD54013-14 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-1 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-7 for Phenol-d5: Outside control limits due to dilution.
- JD54013-1 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD54013-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-6 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-11 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-7 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-2 for Caprolactam: Associated CCV outside of control limits high, sample was ND.

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Matrix: AQ **Batch ID:** OP42633

- JD54013-9 for Phenol-d5: Outside control limits due to dilution.
- JD54013-6 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-6 for Phenol-d5: Outside control limits due to dilution.
- JD54013-6 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-7 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-2 for Phenol-d5: Outside control limits due to dilution.
- JD54013-6 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-2 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-7 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-6 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-6 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-6 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-6 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-13 for Phenol: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD54013-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-6 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-1 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-1 for 2-Fluorophenol: Outside of in house control limits.
- JD54013-13 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-1 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-3 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-7 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-7 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-13 for Phenol-d5: Outside control limits due to dilution.
- JD54013-9 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-10 for Phenol-d5: Outside control limits due to dilution.
- JD54013-7 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-8 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD54013-12 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42633

- JD54013-12 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-13 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-10 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-12 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-12 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD54013-12 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD54013-2 for 4-Chloroaniline: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD54013-7 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD54013-7 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** OP42699

- All samples were extracted within the recommended method holding time.
- Sample(s) JD54013-16, JD54013-17, JD54013-18, JD54013-19, JD54013-20, JD54013-21, JD54013-22 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Sample(s) JD54013-21, JD54013-22 have surrogates outside control limits. Probable cause due to matrix interference.
- JD54013-15: Dilution required due to viscosity of the extract matrix.
- JD54013-19: Dilution required due to viscosity of the extract matrix.
- JD54013-19 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-15 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-21 for Phenol-d5: Outside control limits due to dilution.
- JD54013-22 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-22 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-21 for Pentachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-22 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD54013-20 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-17 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD54013-21 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD54013-21 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-21 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-22 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JD54013-16 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-22 for Pentachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-22 for Terphenyl-d14: Outside control limits due to dilution.
- JD54013-20 for Pentachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-17 for Pentachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-16 for Pentachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-20 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD54013-22 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD54013-18 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD54013-18 for Pentachlorophenol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP42699

- JD54013-18 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-22 for Phenol-d5: Outside control limits due to dilution.
- JD54013-22 for 2-Fluorophenol: Outside control limits due to dilution.
- JD54013-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JD54013-22 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD54013-17 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD54013-16 for Atrazine: Associated CCV outside of control limits high, sample was ND.

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GAA2657

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54013-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Ethane, Ethene are outside control limits.

Matrix: AQ **Batch ID:** GAA2658

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54013-8DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Methane are outside of in house control limits.
- JD54013-11: (pH=7)Sample pH did not satisfy field preservation criteria.
- JD54013-6: 14x 1mm diameter bubbles present in headspace.

Matrix: AQ **Batch ID:** GAA2659

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-16DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Methane are outside of in house control limits.
- JD54013-20: (pH=6)Sample pH did not satisfy field preservation criteria.
- JD54013-21: (pH=3)Sample pH did not satisfy field preservation criteria.
- JD54013-22: (pH=6)Sample pH did not satisfy field preservation criteria.

Matrix: AQ **Batch ID:** GWW5604

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD53388-44DUP were used as the QC samples indicated.
- JD54013-2: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-1: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Matrix: AQ **Batch ID:** GWW5605

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54013-12DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD54013-15: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-10: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-11: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-7: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-16: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-13: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-6: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-5: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-12: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-9: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-8: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Matrix: AQ **Batch ID:** GWW5606

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GWW5606

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-17DUP were used as the QC samples indicated.
- JD54013-20: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-17: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-22: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-21: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-19: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD54013-18: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP35878

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54068-11MS, JD54068-11MSD, JD54068-11SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Iron are outside control limits. Probable cause due to sample homogeneity.

Matrix: AQ **Batch ID:** MP35880

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54058-6MS, JD54058-6MSD, JD54058-6SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Iron are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ **Batch ID:** MP35918

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54213-6FMS, JD54213-6FMSD, JD54213-6FSDL were used as the QC samples for metals.

Matrix: AQ **Batch ID:** MP35919

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54176-1FMS, JD54176-1FMSD, JD54176-1FSDL were used as the QC samples for metals.

Matrix: AQ **Batch ID:** MP35954

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD53991-1FMS, JD53991-1FMSD, JD53991-1FSDL were used as the QC samples for metals.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP43011

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54003-3DUP, JD54003-3MS were used as the QC samples for Sulfate.

Matrix: AQ **Batch ID:** GP43045

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54007-1DUP, JD54007-1MS were used as the QC samples for Sulfate.
- Matrix Spike Recovery(s) for Sulfate are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP43073

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54234-3DUP, JD54234-3MS were used as the QC samples for Sulfate.

General Chemistry By Method SM2320 B-11

Matrix: AQ **Batch ID:** GN34669

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54003-3DUP were used as the QC samples for Alkalinity, Total as CaCO3.
- JD54013-9 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-5 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-7 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-11 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-2 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-10 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-1 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-6 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-8 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-12 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.

Matrix: AQ **Batch ID:** GN34720

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54068-8DUP were used as the QC samples for Alkalinity, Total as CaCO3.
- JD54013-13 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.

Matrix: AQ **Batch ID:** GN34777

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54026-1DUP were used as the QC samples for Alkalinity, Total as CaCO3.
- JD54013-17 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-16 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-18 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-15 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-19 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-20 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-21 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD54013-22 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.

General Chemistry By Method SM3500FE B-11

Matrix: AQ **Batch ID:** GN34699

- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-15MS, JD54013-15MSD were used as the QC samples for Iron, Ferrous.
- JD54013-15 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-18 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-1 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-16 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-17 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-10 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-11 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-5 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-8 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-22 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-19 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-12 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-6 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-21 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-20 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-13 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-2 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-9 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD54013-7 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.

Matrix: AQ **Batch ID:** R200076

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-8 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200077

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-7 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200078

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-5 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200079

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-10 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200080

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-12 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200081

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-13 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200082

General Chemistry By Method SM3500FE B-11

Matrix: AQ **Batch ID:** R200082

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-2 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200089

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-1 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200144

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-15 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200145

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-16 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200146

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-17 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200147

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-18 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200148

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-20 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200155

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-6 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200156

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-9 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200157

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-11 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200206

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-21 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200207

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-22 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

Matrix: AQ **Batch ID:** R200212

- The data for SM3500FE B-11 meets quality control requirements.
- JD54013-19 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

General Chemistry By Method SM4500S2- F-11

Matrix: AQ **Batch ID:** GN34714

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54013-11DUP, JD54013-11MS were used as the QC samples for Sulfide.

Matrix: AQ **Batch ID:** GN34935

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54209-2DUP, JD54209-2MS were used as the QC samples for Sulfide.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD54013-1	**MW-7R**					
Benzene		2750	50	43	ug/l	SW846 8260D
Chloroform [a]		66.5	10	5.0	ug/l	SW846 8260D
Cyclohexane [a]		22.8 J	50	7.8	ug/l	SW846 8260D
Ethylbenzene [a]		1210	10	6.0	ug/l	SW846 8260D
Isopropylbenzene [a]		51.1	10	6.5	ug/l	SW846 8260D
Methylcyclohexane [a]		27.5 J	50	6.0	ug/l	SW846 8260D
Toluene		3460	100	49	ug/l	SW846 8260D
m,p-Xylene		4860	100	78	ug/l	SW846 8260D
o-Xylene [a]		1700	10	5.9	ug/l	SW846 8260D
Xylene (total)		6560	100	59	ug/l	SW846 8260D
2,4-Dimethylphenol		126	51	25	ug/l	SW846 8270E
2-Methylphenol		16.9	2.1	0.91	ug/l	SW846 8270E
3&4-Methylphenol		9.8	2.1	0.90	ug/l	SW846 8270E
Phenol [b]		10.2	2.1	0.40	ug/l	SW846 8270E
Acenaphthene		111	10	2.0	ug/l	SW846 8270E
Acenaphthylene		12.7	1.0	0.14	ug/l	SW846 8270E
Acetophenone		13.0	2.1	0.21	ug/l	SW846 8270E
Anthracene		9.3	1.0	0.22	ug/l	SW846 8270E
Benzo(a)anthracene		1.3	1.0	0.21	ug/l	SW846 8270E
Benzo(a)pyrene		0.54 J	1.0	0.22	ug/l	SW846 8270E
Benzo(b)fluoranthene		0.60 J	1.0	0.21	ug/l	SW846 8270E
Benzo(k)fluoranthene		0.23 J	1.0	0.21	ug/l	SW846 8270E
1,1'-Biphenyl		43.3	1.0	0.22	ug/l	SW846 8270E
Carbazole		114	10	2.3	ug/l	SW846 8270E
Chrysene		0.94 J	1.0	0.18	ug/l	SW846 8270E
Dibenzofuran		72.9	5.1	0.23	ug/l	SW846 8270E
Fluoranthene		6.9	1.0	0.17	ug/l	SW846 8270E
Fluorene		52.4	1.0	0.18	ug/l	SW846 8270E
2-Methylnaphthalene		359	10	2.2	ug/l	SW846 8270E
Naphthalene		5980	100	24	ug/l	SW846 8270E
Phenanthrene		51.1	1.0	0.18	ug/l	SW846 8270E
Pyrene		5.6	1.0	0.22	ug/l	SW846 8270E
Methane		3180	5.5	4.0	ug/l	RSK-175
Ethane		0.39	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		1940	50	25	ug/l	RSK-175
Iron		2480	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		383	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		1.7	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [f]		0.76	0.20		mg/l	SM3500FE B-11
Sulfate		144	2.0		mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD54013-2	**MW-16(S)**					
Benzene [g]		48.5	10	8.5	ug/l	SW846 8260D
Ethylbenzene [g]		221	20	12	ug/l	SW846 8260D
Isopropylbenzene [g]		49.1	20	13	ug/l	SW846 8260D
Methylcyclohexane [g]		14.7 J	100	12	ug/l	SW846 8260D
Toluene [g]		51.9	20	9.8	ug/l	SW846 8260D
m,p-Xylene [g]		304	20	16	ug/l	SW846 8260D
o-Xylene [g]		218	20	12	ug/l	SW846 8260D
Xylene (total) [g]		522	20	12	ug/l	SW846 8260D
2,4-Dimethylphenol		16.0	5.0	2.4	ug/l	SW846 8270E
2-Methylphenol		5.4	2.0	0.89	ug/l	SW846 8270E
3&4-Methylphenol		10.7	2.0	0.88	ug/l	SW846 8270E
Phenol [b]		3.5	2.0	0.39	ug/l	SW846 8270E
Acenaphthene		89.3	1.0	0.19	ug/l	SW846 8270E
Acenaphthylene		7.1	1.0	0.14	ug/l	SW846 8270E
Acetophenone		4.4	2.0	0.21	ug/l	SW846 8270E
Anthracene		13.3	1.0	0.21	ug/l	SW846 8270E
Benzo(a)anthracene		2.2	1.0	0.20	ug/l	SW846 8270E
Benzo(a)pyrene		1.5	1.0	0.21	ug/l	SW846 8270E
Benzo(b)fluoranthene		1.5	1.0	0.21	ug/l	SW846 8270E
Benzo(g,h,i)perylene		0.75 J	1.0	0.34	ug/l	SW846 8270E
Benzo(k)fluoranthene		0.56 J	1.0	0.21	ug/l	SW846 8270E
1,1'-Biphenyl		38.9	1.0	0.21	ug/l	SW846 8270E
Carbazole		40.3	1.0	0.23	ug/l	SW846 8270E
Chrysene		1.8	1.0	0.18	ug/l	SW846 8270E
Dibenzofuran		73.6	5.0	0.22	ug/l	SW846 8270E
Fluoranthene		11.9	1.0	0.17	ug/l	SW846 8270E
Fluorene		54.2	1.0	0.17	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.83 J	1.0	0.33	ug/l	SW846 8270E
2-Methylnaphthalene		464	100	21	ug/l	SW846 8270E
Naphthalene		10700	200	46	ug/l	SW846 8270E
Phenanthrene		72.7	1.0	0.18	ug/l	SW846 8270E
Pyrene		10.0	1.0	0.22	ug/l	SW846 8270E
Methane		3220	5.5	4.0	ug/l	RSK-175
Carbon Dioxide [c]		4070	50	25	ug/l	RSK-175
Iron		1410	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		434	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		0.85	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [f]		0.56	0.20		mg/l	SM3500FE B-11
Sulfate		80.6	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		4.1	2.0		mg/l	SM4500S2- F-11

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD54013-3	**FB-1**					
Chloroform		9.1	1.0	0.50	ug/l	SW846 8260D
JD54013-4	**TB-1**					
Chloroform		9.7	1.0	0.50	ug/l	SW846 8260D
JD54013-5	**MW-17(S)**					
Benzene [g]		21.9	5.0	4.3	ug/l	SW846 8260D
Carbon disulfide [g]		10.8 J	20	4.6	ug/l	SW846 8260D
Ethylbenzene [g]		708	10	6.0	ug/l	SW846 8260D
Isopropylbenzene [g]		64.0	10	6.5	ug/l	SW846 8260D
Toluene [g]		58.8	10	4.9	ug/l	SW846 8260D
m,p-Xylene [g]		1460	10	7.8	ug/l	SW846 8260D
o-Xylene [g]		729	10	5.9	ug/l	SW846 8260D
Xylene (total) [g]		2190	10	5.9	ug/l	SW846 8260D
Acenaphthene [h]		698	10	2.0	ug/l	SW846 8270E
Acenaphthylene [h]		28.9	10	1.4	ug/l	SW846 8270E
Anthracene [h]		225	10	2.2	ug/l	SW846 8270E
Benzo(a)anthracene [h]		23.2	10	2.1	ug/l	SW846 8270E
Benzo(a)pyrene [h]		5.4 J	10	2.2	ug/l	SW846 8270E
Benzo(b)fluoranthene [h]		7.3 J	10	2.1	ug/l	SW846 8270E
Benzo(k)fluoranthene [h]		3.1 J	10	2.1	ug/l	SW846 8270E
1,1'-Biphenyl [h]		311	10	2.2	ug/l	SW846 8270E
Carbazole [h]		40.8	10	2.3	ug/l	SW846 8270E
Chrysene [h]		17.2	10	1.8	ug/l	SW846 8270E
Dibenzofuran [h]		594	51	2.3	ug/l	SW846 8270E
Fluoranthene [h]		178	10	1.7	ug/l	SW846 8270E
Fluorene [h]		533	10	1.8	ug/l	SW846 8270E
2-Methylnaphthalene		2970	510	110	ug/l	SW846 8270E
Naphthalene		14500	510	120	ug/l	SW846 8270E
Phenanthrene [h]		817	10	1.8	ug/l	SW846 8270E
Pyrene [h]		128	10	2.2	ug/l	SW846 8270E
Methane		543	1.1	0.80	ug/l	RSK-175
Carbon Dioxide [c]		1260	50	25	ug/l	RSK-175
Iron		980	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		555	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		0.85	0.30		mg/l	SM3500FE B-11
Sulfate		102	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		3.5	2.0		mg/l	SM4500S2- F-11

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD54013-6	**MW-11(D)**					
Benzene [g]		1100	5.0	4.3	ug/l	SW846 8260D
Carbon disulfide [g]		6.9 J	20	4.6	ug/l	SW846 8260D
Cyclohexane [g]		10.6 J	50	7.8	ug/l	SW846 8260D
Ethylbenzene [g]		1120	10	6.0	ug/l	SW846 8260D
Isopropylbenzene [g]		88.8	10	6.5	ug/l	SW846 8260D
Methylcyclohexane [g]		11.4 J	50	6.0	ug/l	SW846 8260D
Toluene [g]		92.1	10	4.9	ug/l	SW846 8260D
m,p-Xylene [g]		1050	10	7.8	ug/l	SW846 8260D
o-Xylene [g]		562	10	5.9	ug/l	SW846 8260D
Xylene (total) [g]		1610	10	5.9	ug/l	SW846 8260D
2,4-Dimethylphenol		419	53	26	ug/l	SW846 8270E
2-Methylphenol		10.7	2.1	0.93	ug/l	SW846 8270E
3&4-Methylphenol		13.3	2.1	0.93	ug/l	SW846 8270E
Phenol [b]		11.2	2.1	0.41	ug/l	SW846 8270E
Acenaphthene		184	11	2.0	ug/l	SW846 8270E
Acenaphthylene		5.3	1.1	0.14	ug/l	SW846 8270E
Acetophenone		4.3	2.1	0.22	ug/l	SW846 8270E
Anthracene		5.8	1.1	0.22	ug/l	SW846 8270E
1,1'-Biphenyl		38.4	1.1	0.22	ug/l	SW846 8270E
Dibenzofuran		90.2	5.3	0.23	ug/l	SW846 8270E
Fluoranthene		1.8	1.1	0.18	ug/l	SW846 8270E
Fluorene		57.4	1.1	0.18	ug/l	SW846 8270E
2-Methylnaphthalene		316	11	2.2	ug/l	SW846 8270E
Naphthalene		5650	110	24	ug/l	SW846 8270E
Phenanthrene		44.0	1.1	0.18	ug/l	SW846 8270E
Pyrene		1.1	1.1	0.23	ug/l	SW846 8270E
Methane [i]		3060	5.5	4.0	ug/l	RSK-175
Ethane [i]		0.50	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		1840	50	25	ug/l	RSK-175
Iron		653	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		895	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		0.43	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [f]		0.22	0.20		mg/l	SM3500FE B-11
Sulfate		347	2.0		mg/l	EPA 300/SW846 9056A
JD54013-7	**MW-21(S)**					
Benzene [a]		263	5.0	4.3	ug/l	SW846 8260D
Carbon disulfide [a]		8.7 J	20	4.6	ug/l	SW846 8260D
Cyclohexane [a]		10.9 J	50	7.8	ug/l	SW846 8260D
Ethylbenzene [a]		802	10	6.0	ug/l	SW846 8260D
Isopropylbenzene [a]		29.0	10	6.5	ug/l	SW846 8260D
Methylcyclohexane [a]		10.6 J	50	6.0	ug/l	SW846 8260D

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Styrene [a]		154	10	4.9	ug/l	SW846 8260D
Toluene [a]		895	10	4.9	ug/l	SW846 8260D
m,p-Xylene [a]		2580	10	7.8	ug/l	SW846 8260D
o-Xylene [a]		1030	10	5.9	ug/l	SW846 8260D
Xylene (total) [a]		3620	10	5.9	ug/l	SW846 8260D
2,4-Dimethylphenol		4.8 J	5.0	2.4	ug/l	SW846 8270E
2-Methylphenol		4.5	2.0	0.89	ug/l	SW846 8270E
3&4-Methylphenol		1.1 J	2.0	0.88	ug/l	SW846 8270E
Acenaphthene		265	100	19	ug/l	SW846 8270E
Acenaphthylene		4.3	1.0	0.14	ug/l	SW846 8270E
Acetophenone		4.0	2.0	0.21	ug/l	SW846 8270E
Anthracene		3.3	1.0	0.21	ug/l	SW846 8270E
Benzo(a)anthracene		0.42 J	1.0	0.20	ug/l	SW846 8270E
1,1'-Biphenyl		17.8	1.0	0.21	ug/l	SW846 8270E
Carbazole		56.2	1.0	0.23	ug/l	SW846 8270E
Chrysene		0.25 J	1.0	0.18	ug/l	SW846 8270E
Dibenzofuran		78.3	5.0	0.22	ug/l	SW846 8270E
Fluoranthene		2.0	1.0	0.17	ug/l	SW846 8270E
Fluorene		34.5	1.0	0.17	ug/l	SW846 8270E
2-Methylnaphthalene		288	100	21	ug/l	SW846 8270E
Naphthalene		5250	100	23	ug/l	SW846 8270E
Phenanthrene		28.1	1.0	0.18	ug/l	SW846 8270E
Pyrene		1.6	1.0	0.22	ug/l	SW846 8270E
Methane		2430	5.5	4.0	ug/l	RSK-175
Carbon Dioxide [c]		245	50	25	ug/l	RSK-175
Iron		1860	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		181	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		1.7	0.30		mg/l	SM3500FE B-11
Sulfate		38.2	2.0		mg/l	EPA 300/SW846 9056A
JD54013-8	**MW-30(S)**					
Isopropylbenzene		0.99 J	1.0	0.65	ug/l	SW846 8260D
Acenaphthene		16.5	1.0	0.19	ug/l	SW846 8270E
Acenaphthylene		0.33 J	1.0	0.14	ug/l	SW846 8270E
Anthracene		0.39 J	1.0	0.21	ug/l	SW846 8270E
Fluoranthene		0.74 J	1.0	0.17	ug/l	SW846 8270E
Pyrene		0.37 J	1.0	0.22	ug/l	SW846 8270E
Methane		50.4	0.11	0.080	ug/l	RSK-175
Carbon Dioxide [c]		9550	50	25	ug/l	RSK-175
Iron		2150	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		359	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		2.0	0.30		mg/l	SM3500FE B-11
Sulfate		199	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		2.1	2.0		mg/l	SM4500S2- F-11

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD54013-9	**MW-30(D)**					
Acetone [g]		19.2 J	50	15	ug/l	SW846 8260D
Benzene [g]		421	2.5	2.1	ug/l	SW846 8260D
Carbon disulfide [g]		2.6 J	10	2.3	ug/l	SW846 8260D
Cyclohexane [g]		9.9 J	25	3.9	ug/l	SW846 8260D
Ethylbenzene [g]		593	5.0	3.0	ug/l	SW846 8260D
Isopropylbenzene [g]		49.9	5.0	3.2	ug/l	SW846 8260D
Methylcyclohexane [g]		10.5 J	25	3.0	ug/l	SW846 8260D
Toluene [g]		127	5.0	2.5	ug/l	SW846 8260D
m,p-Xylene [g]		540	5.0	3.9	ug/l	SW846 8260D
o-Xylene [g]		374	5.0	3.0	ug/l	SW846 8260D
Xylene (total) [g]		914	5.0	3.0	ug/l	SW846 8260D
2,4-Dimethylphenol		24.3	5.1	2.5	ug/l	SW846 8270E
2-Methylphenol		4.6	2.1	0.91	ug/l	SW846 8270E
3&4-Methylphenol		7.1	2.1	0.90	ug/l	SW846 8270E
Phenol [b]		5.8	2.1	0.40	ug/l	SW846 8270E
Acenaphthene		91.4	1.0	0.20	ug/l	SW846 8270E
Acenaphthylene		4.0	1.0	0.14	ug/l	SW846 8270E
Acetophenone		5.3	2.1	0.21	ug/l	SW846 8270E
Anthracene		2.3	1.0	0.22	ug/l	SW846 8270E
Benzo(a)anthracene		0.38 J	1.0	0.21	ug/l	SW846 8270E
1,1'-Biphenyl		22.5	1.0	0.22	ug/l	SW846 8270E
Carbazole		34.3	1.0	0.23	ug/l	SW846 8270E
Dibenzofuran		49.2	5.1	0.23	ug/l	SW846 8270E
Fluoranthene		2.6	1.0	0.17	ug/l	SW846 8270E
Fluorene		30.4	1.0	0.18	ug/l	SW846 8270E
2-Methylnaphthalene		83.0	1.0	0.22	ug/l	SW846 8270E
Naphthalene		1660	21	4.8	ug/l	SW846 8270E
Phenanthrene		18.1	1.0	0.18	ug/l	SW846 8270E
Pyrene		2.0	1.0	0.22	ug/l	SW846 8270E
Methane		5940	11	8.0	ug/l	RSK-175
Ethane		0.37	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		2630	50	25	ug/l	RSK-175
Iron		2050	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		550	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		1.8	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [f]		0.28	0.20		mg/l	SM3500FE B-11
Sulfate		20.2	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		5.8	2.0		mg/l	SM4500S2- F-11
JD54013-10	**MW-19(D)**					
Acetone		5.8 J	10	3.1	ug/l	SW846 8260D

Summary of Hits

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzene		46.8	0.50	0.43	ug/l	SW846 8260D
Carbon disulfide		0.89 J	2.0	0.46	ug/l	SW846 8260D
Cyclohexane		1.1 J	5.0	0.78	ug/l	SW846 8260D
Ethylbenzene		162	1.0	0.60	ug/l	SW846 8260D
Isopropylbenzene		25.4	1.0	0.65	ug/l	SW846 8260D
Methylcyclohexane		0.66 J	5.0	0.60	ug/l	SW846 8260D
Toluene		3.7	1.0	0.49	ug/l	SW846 8260D
m,p-Xylene		62.8	1.0	0.78	ug/l	SW846 8260D
o-Xylene		49.4	1.0	0.59	ug/l	SW846 8260D
Xylene (total)		112	1.0	0.59	ug/l	SW846 8260D
Acenaphthene		158	20	3.8	ug/l	SW846 8270E
Anthracene		8.9	1.0	0.21	ug/l	SW846 8270E
Benzo(a)anthracene		0.44 J	1.0	0.20	ug/l	SW846 8270E
1,1'-Biphenyl		47.4	1.0	0.21	ug/l	SW846 8270E
Carbazole		102	20	4.6	ug/l	SW846 8270E
Chrysene		0.31 J	1.0	0.18	ug/l	SW846 8270E
Dibenzofuran		97.1	5.0	0.22	ug/l	SW846 8270E
Fluoranthene		4.8	1.0	0.17	ug/l	SW846 8270E
Fluorene		73.0	1.0	0.17	ug/l	SW846 8270E
2-Methylnaphthalene		135	20	4.2	ug/l	SW846 8270E
Naphthalene		1500	20	4.6	ug/l	SW846 8270E
Phenanthrene		66.6	1.0	0.18	ug/l	SW846 8270E
Pyrene		3.3	1.0	0.22	ug/l	SW846 8270E
Methane		5020	11	8.0	ug/l	RSK-175
Ethane		0.63	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		1610	50	25	ug/l	RSK-175
Iron		423	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		459	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		0.39	0.30		mg/l	SM3500FE B-11
Sulfate		6.3	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		5.4	2.0		mg/l	SM4500S2- F-11
JD54013-11	**MW-10**					
Benzene [j]		43.2	5.0	4.3	ug/l	SW846 8260D
Ethylbenzene [j]		824	10	6.0	ug/l	SW846 8260D
Isopropylbenzene [j]		61.5	10	6.5	ug/l	SW846 8260D
Toluene [j]		21.9	10	4.9	ug/l	SW846 8260D
m,p-Xylene [j]		531	10	7.8	ug/l	SW846 8260D
o-Xylene [j]		521	10	5.9	ug/l	SW846 8260D
Xylene (total) [j]		1050	10	5.9	ug/l	SW846 8260D
Phenol [b]		0.99 J	2.0	0.39	ug/l	SW846 8270E
Acenaphthene		190	10	1.9	ug/l	SW846 8270E
Acenaphthylene		4.5	1.0	0.14	ug/l	SW846 8270E
Acetophenone		2.2	2.0	0.21	ug/l	SW846 8270E

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Anthracene	35.8	1.0	0.21	ug/l	SW846 8270E
Benzo(a)anthracene	6.2	1.0	0.20	ug/l	SW846 8270E
Benzo(a)pyrene	3.5	1.0	0.21	ug/l	SW846 8270E
Benzo(b)fluoranthene	3.9	1.0	0.21	ug/l	SW846 8270E
Benzo(g,h,i)perylene	1.9	1.0	0.34	ug/l	SW846 8270E
Benzo(k)fluoranthene	1.5	1.0	0.21	ug/l	SW846 8270E
1,1'-Biphenyl	61.9	1.0	0.21	ug/l	SW846 8270E
Carbazole	69.3	1.0	0.23	ug/l	SW846 8270E
Chrysene	5.0	1.0	0.18	ug/l	SW846 8270E
Dibenzo(a,h)anthracene	0.52 J	1.0	0.33	ug/l	SW846 8270E
Dibenzofuran	149	50	2.2	ug/l	SW846 8270E
Fluoranthene	33.3	1.0	0.17	ug/l	SW846 8270E
Fluorene	111	10	1.7	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene	2.2	1.0	0.33	ug/l	SW846 8270E
2-Methylnaphthalene	379	10	2.1	ug/l	SW846 8270E
Naphthalene	4510	100	23	ug/l	SW846 8270E
Phenanthrene	165	10	1.8	ug/l	SW846 8270E
Pyrene	24.8	1.0	0.22	ug/l	SW846 8270E
Methane [k]	3550	11	8.0	ug/l	RSK-175
Ethane [k]	0.48	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]	6790	50	25	ug/l	RSK-175
Iron	2280	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]	1730	50		mg/l	SM2320 B-11
Iron, Ferric [e]	2.3	0.30		mg/l	SM3500FE B-11
Sulfate	994	10		mg/l	EPA 300/SW846 9056A
Sulfide	6.1	2.0		mg/l	SM4500S2- F-11
JD54013-12 MW-24(D)					
Benzene	7.8	0.50	0.43	ug/l	SW846 8260D
Ethylbenzene	1.1	1.0	0.60	ug/l	SW846 8260D
Isopropylbenzene	0.79 J	1.0	0.65	ug/l	SW846 8260D
Acenaphthene	5.9	1.0	0.19	ug/l	SW846 8270E
Acenaphthylene	0.20 J	1.0	0.14	ug/l	SW846 8270E
Anthracene	0.29 J	1.0	0.21	ug/l	SW846 8270E
Carbazole	0.40 J	1.0	0.23	ug/l	SW846 8270E
Dibenzofuran	3.7 J	5.0	0.22	ug/l	SW846 8270E
Fluoranthene	1.7	1.0	0.17	ug/l	SW846 8270E
Fluorene	1.5	1.0	0.17	ug/l	SW846 8270E
Naphthalene	10.6	1.0	0.23	ug/l	SW846 8270E
Phenanthrene	2.7	1.0	0.18	ug/l	SW846 8270E
Pyrene	1.8	1.0	0.22	ug/l	SW846 8270E
Methane	3310	5.5	4.0	ug/l	RSK-175
Ethane	0.61	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]	1210	50	25	ug/l	RSK-175

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Alkalinity, Total as CaCO3 [d]	558	5.0		mg/l	SM2320 B-11
Sulfate	25.6	2.0		mg/l	EPA 300/SW846 9056A
Sulfide	3.8	2.0		mg/l	SM4500S2- F-11
JD54013-13 MW-9					
Benzene [l]	384	50	43	ug/l	SW846 8260D
Ethylbenzene [l]	1230	100	60	ug/l	SW846 8260D
Toluene [l]	15200	100	49	ug/l	SW846 8260D
m,p-Xylene [l]	3440	100	78	ug/l	SW846 8260D
o-Xylene [l]	1570	100	59	ug/l	SW846 8260D
Xylene (total) [l]	5010	100	59	ug/l	SW846 8260D
2,4-Dimethylphenol	92.3	5.3	2.6	ug/l	SW846 8270E
2-Methylphenol	19.5	2.1	0.93	ug/l	SW846 8270E
3&4-Methylphenol	34.7	2.1	0.93	ug/l	SW846 8270E
Phenol [b]	11.1	2.1	0.41	ug/l	SW846 8270E
Acenaphthene	81.4	1.1	0.20	ug/l	SW846 8270E
Acenaphthylene	11.1	1.1	0.14	ug/l	SW846 8270E
Acetophenone	67.2	2.1	0.22	ug/l	SW846 8270E
Anthracene	4.7	1.1	0.22	ug/l	SW846 8270E
Benzo(a)anthracene	0.72 J	1.1	0.21	ug/l	SW846 8270E
Benzo(a)pyrene	0.40 J	1.1	0.22	ug/l	SW846 8270E
Benzo(b)fluoranthene	0.44 J	1.1	0.22	ug/l	SW846 8270E
1,1'-Biphenyl	43.7	1.1	0.22	ug/l	SW846 8270E
Carbazole	57.6	1.1	0.24	ug/l	SW846 8270E
Chrysene	0.47 J	1.1	0.19	ug/l	SW846 8270E
Dibenzofuran	64.3	5.3	0.23	ug/l	SW846 8270E
Fluoranthene	2.8	1.1	0.18	ug/l	SW846 8270E
Fluorene	33.5	1.1	0.18	ug/l	SW846 8270E
2-Methylnaphthalene	439	11	2.2	ug/l	SW846 8270E
Naphthalene	6850	110	24	ug/l	SW846 8270E
Phenanthrene	31.2	1.1	0.18	ug/l	SW846 8270E
Pyrene	2.1	1.1	0.23	ug/l	SW846 8270E
Methane	5090	11	8.0	ug/l	RSK-175
Ethane	0.43	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]	1210	50	25	ug/l	RSK-175
Iron	5450	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]	881	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]	4.8	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [f]	0.68	0.20		mg/l	SM3500FE B-11
Sulfate	59.9	2.0		mg/l	EPA 300/SW846 9056A
Sulfide	3.2	2.0		mg/l	SM4500S2- F-11

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD54013-14	**MW-9 DUP**					
Benzene [m]		420	50	43	ug/l	SW846 8260D
Ethylbenzene [m]		1220	100	60	ug/l	SW846 8260D
Isopropylbenzene [m]		65.1 J	100	65	ug/l	SW846 8260D
Toluene [m]		15300	100	49	ug/l	SW846 8260D
m,p-Xylene [m]		3410	100	78	ug/l	SW846 8260D
o-Xylene [m]		1570	100	59	ug/l	SW846 8260D
Xylene (total) [m]		4980	100	59	ug/l	SW846 8260D
2,4-Dimethylphenol		77.0	53	26	ug/l	SW846 8270E
2-Methylphenol		23.7	2.1	0.93	ug/l	SW846 8270E
3&4-Methylphenol		41.6	2.1	0.93	ug/l	SW846 8270E
Phenol [b]		14.6	2.1	0.41	ug/l	SW846 8270E
Acenaphthene		147	11	2.0	ug/l	SW846 8270E
Acenaphthylene		18.1	1.1	0.14	ug/l	SW846 8270E
Acetophenone		89.7	2.1	0.22	ug/l	SW846 8270E
Anthracene		9.0	1.1	0.22	ug/l	SW846 8270E
Benzo(a)anthracene		1.6	1.1	0.21	ug/l	SW846 8270E
Benzo(a)pyrene		0.97 J	1.1	0.22	ug/l	SW846 8270E
Benzo(b)fluoranthene		1.0 J	1.1	0.22	ug/l	SW846 8270E
Benzo(g,h,i)perylene		0.58 J	1.1	0.36	ug/l	SW846 8270E
Benzo(k)fluoranthene		0.33 J	1.1	0.22	ug/l	SW846 8270E
1,1'-Biphenyl		74.0	1.1	0.22	ug/l	SW846 8270E
Carbazole		84.0	1.1	0.24	ug/l	SW846 8270E
Chrysene		1.2	1.1	0.19	ug/l	SW846 8270E
Dibenzofuran		120	53	2.3	ug/l	SW846 8270E
Fluoranthene		6.6	1.1	0.18	ug/l	SW846 8270E
Fluorene		61.4	1.1	0.18	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.50 J	1.1	0.35	ug/l	SW846 8270E
2-Methylnaphthalene		721	11	2.2	ug/l	SW846 8270E
Naphthalene		18400	530	120	ug/l	SW846 8270E
Phenanthrene		63.8	1.1	0.18	ug/l	SW846 8270E
Pyrene		4.6	1.1	0.23	ug/l	SW846 8270E
JD54013-15	**MW-24(S)**					
Acenaphthene [n]		9.4	4.9	0.94	ug/l	SW846 8270E
Acenaphthylene [n]		0.98 J	4.9	0.67	ug/l	SW846 8270E
Anthracene [n]		1.2 J	4.9	1.0	ug/l	SW846 8270E
Benzo(a)anthracene [n]		2.0 J	4.9	1.0	ug/l	SW846 8270E
Benzo(a)pyrene [n]		1.2 J	4.9	1.0	ug/l	SW846 8270E
Chrysene [n]		1.1 J	4.9	0.86	ug/l	SW846 8270E
Dibenzofuran [n]		2.7 J	25	1.1	ug/l	SW846 8270E
Fluoranthene [n]		6.8	4.9	0.83	ug/l	SW846 8270E
Fluorene [n]		1.3 J	4.9	0.84	ug/l	SW846 8270E

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Naphthalene [n]		13.6	4.9	1.1	ug/l	SW846 8270E
Phenanthrene [n]		3.9 J	4.9	0.86	ug/l	SW846 8270E
Pyrene [n]		4.9	4.9	1.1	ug/l	SW846 8270E
Methane		3290	5.5	4.0	ug/l	RSK-175
Ethane		0.97	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		1130	50	25	ug/l	RSK-175
Iron		1740	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		569	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		1.7	0.30		mg/l	SM3500FE B-11
Sulfate		68.7	2.0		mg/l	EPA 300/SW846 9056A
JD54013-16	**MW-25(S)**					
Di-n-butyl phthalate		6.4 B	2.2	0.54	ug/l	SW846 8270E
Fluoranthene		0.37 J	1.1	0.18	ug/l	SW846 8270E
Pyrene		0.69 J	1.1	0.24	ug/l	SW846 8270E
Methane		470	0.55	0.40	ug/l	RSK-175
Ethane		0.30	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		6570	50	25	ug/l	RSK-175
Iron		4170	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		376	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		4.1	0.30		mg/l	SM3500FE B-11
Sulfate		765	8.0		mg/l	EPA 300/SW846 9056A
JD54013-17	**MW-25(D)**					
Methyl Tert Butyl Ether		0.73 J	1.0	0.51	ug/l	SW846 8260D
Acenaphthene		0.49 J	1.1	0.20	ug/l	SW846 8270E
Di-n-butyl phthalate		28.2 B	2.1	0.52	ug/l	SW846 8270E
Fluoranthene		0.48 J	1.1	0.18	ug/l	SW846 8270E
Pyrene		0.69 J	1.1	0.23	ug/l	SW846 8270E
Methane		563	1.1	0.80	ug/l	RSK-175
Ethane		0.43	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		2240	50	25	ug/l	RSK-175
Iron		786	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		381	0.0050		mg/l	SM2320 B-11
Iron, Ferric [e]		0.79	0.30		mg/l	SM3500FE B-11
Sulfate		1090	6.0		mg/l	EPA 300/SW846 9056A
JD54013-18	**MW-27(S)**					
Benzene		68.6	0.50	0.43	ug/l	SW846 8260D
Ethylbenzene		13.8	1.0	0.60	ug/l	SW846 8260D
Isopropylbenzene		7.4	1.0	0.65	ug/l	SW846 8260D
Methyl Tert Butyl Ether		2.3	1.0	0.51	ug/l	SW846 8260D

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene		1.3	1.0	0.78	ug/l	SW846 8260D
o-Xylene		1.1	1.0	0.59	ug/l	SW846 8260D
Xylene (total)		2.4	1.0	0.59	ug/l	SW846 8260D
Acenaphthene		17.7	1.1	0.20	ug/l	SW846 8270E
Acenaphthylene		1.4	1.1	0.14	ug/l	SW846 8270E
Acetophenone		0.53 J	2.1	0.22	ug/l	SW846 8270E
Anthracene		3.4	1.1	0.22	ug/l	SW846 8270E
Benzo(a)anthracene		1.2	1.1	0.21	ug/l	SW846 8270E
Benzo(a)pyrene		0.77 J	1.1	0.22	ug/l	SW846 8270E
Benzo(b)fluoranthene		0.75 J	1.1	0.22	ug/l	SW846 8270E
Benzo(g,h,i)perylene		0.54 J	1.1	0.36	ug/l	SW846 8270E
Benzo(k)fluoranthene		0.29 J	1.1	0.22	ug/l	SW846 8270E
1,1'-Biphenyl		0.58 J	1.1	0.22	ug/l	SW846 8270E
Carbazole		14.2	1.1	0.24	ug/l	SW846 8270E
Chrysene		0.90 J	1.1	0.19	ug/l	SW846 8270E
Dibenzofuran		8.8	5.3	0.23	ug/l	SW846 8270E
Di-n-butyl phthalate		9.9 B	2.1	0.52	ug/l	SW846 8270E
Fluoranthene		3.9	1.1	0.18	ug/l	SW846 8270E
Fluorene		6.8	1.1	0.18	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.49 J	1.1	0.35	ug/l	SW846 8270E
2-Methylnaphthalene		0.96 J	1.1	0.22	ug/l	SW846 8270E
Naphthalene		11.1	1.1	0.24	ug/l	SW846 8270E
Phenanthrene		10.8	1.1	0.18	ug/l	SW846 8270E
Pyrene		3.1	1.1	0.23	ug/l	SW846 8270E
Methane		5570	11	8.0	ug/l	RSK-175
Ethane		1.1	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		2850	500	250	ug/l	RSK-175
Iron		2120	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		740	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		1.9	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [f]		0.26	0.20		mg/l	SM3500FE B-11
Sulfate		70.9	2.0		mg/l	EPA 300/SW846 9056A
JD54013-19	**MW-27(D)**					
Benzene [o]		11.1	2.0	1.7	ug/l	SW846 8260D
Carbon disulfide [o]		2.0 J	8.0	1.8	ug/l	SW846 8260D
Ethylbenzene [o]		46.0	4.0	2.4	ug/l	SW846 8260D
Isopropylbenzene [o]		12.2	4.0	2.6	ug/l	SW846 8260D
Toluene [o]		7.7	4.0	2.0	ug/l	SW846 8260D
m,p-Xylene [o]		32.7	4.0	3.1	ug/l	SW846 8260D
o-Xylene [o]		21.5	4.0	2.4	ug/l	SW846 8260D
Xylene (total) [o]		54.2	4.0	2.4	ug/l	SW846 8260D
2,4-Dimethylphenol [n]		58.9	26	13	ug/l	SW846 8270E
Acenaphthene [n]		102	5.3	1.0	ug/l	SW846 8270E

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Acenaphthylene [n]		8.4	5.3	0.72	ug/l	SW846 8270E
Anthracene [n]		39.5	5.3	1.1	ug/l	SW846 8270E
Benzo(a)anthracene [n]		24.8	5.3	1.1	ug/l	SW846 8270E
Benzo(a)pyrene [n]		18.1	5.3	1.1	ug/l	SW846 8270E
Benzo(b)fluoranthene [n]		18.1	5.3	1.1	ug/l	SW846 8270E
Benzo(g,h,i)perylene [n]		9.8	5.3	1.8	ug/l	SW846 8270E
Benzo(k)fluoranthene [n]		7.0	5.3	1.1	ug/l	SW846 8270E
1,1'-Biphenyl [n]		20.7	5.3	1.1	ug/l	SW846 8270E
Carbazole [n]		71.8	5.3	1.2	ug/l	SW846 8270E
Chrysene [n]		19.6	5.3	0.93	ug/l	SW846 8270E
Dibenzo(a,h)anthracene [n]		2.8 J	5.3	1.7	ug/l	SW846 8270E
Dibenzofuran [n]		74.5	26	1.2	ug/l	SW846 8270E
Di-n-butyl phthalate [n]		6.8 JB	11	2.6	ug/l	SW846 8270E
Fluoranthene [n]		84.5	5.3	0.89	ug/l	SW846 8270E
Fluorene [n]		78.0	5.3	0.90	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene [n]		11.7	5.3	1.7	ug/l	SW846 8270E
2-Methylnaphthalene [n]		21.8	5.3	1.1	ug/l	SW846 8270E
Naphthalene		793	11	2.4	ug/l	SW846 8270E
Phenanthrene [n]		191	5.3	0.92	ug/l	SW846 8270E
Pyrene [n]		57.5	5.3	1.2	ug/l	SW846 8270E
Methane		6600	11	8.0	ug/l	RSK-175
Ethane		0.24	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		2890	50	25	ug/l	RSK-175
Iron		621	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		1660	0.000000025		mg/l	SM2320 B-11
Iron, Ferric [e]		0.58	0.30		mg/l	SM3500FE B-11
Sulfate		4.7	2.0		mg/l	EPA 300/SW846 9056A
JD54013-20	**MW-20(S)**					
Benzene [p]		22.1	10	8.5	ug/l	SW846 8260D
Carbon disulfide [p]		10.1 J	40	9.1	ug/l	SW846 8260D
Ethylbenzene [p]		131	20	12	ug/l	SW846 8260D
Isopropylbenzene [p]		31.1	20	13	ug/l	SW846 8260D
Toluene [p]		17.7 J	20	9.8	ug/l	SW846 8260D
m,p-Xylene [p]		143	20	16	ug/l	SW846 8260D
o-Xylene [p]		93.2	20	12	ug/l	SW846 8260D
Xylene (total) [p]		236	20	12	ug/l	SW846 8260D
2,4-Dimethylphenol		3.1 J	5.0	2.4	ug/l	SW846 8270E
2-Methylphenol		1.0 J	2.0	0.89	ug/l	SW846 8270E
Acenaphthene		118	20	3.8	ug/l	SW846 8270E
Anthracene		6.0	1.0	0.21	ug/l	SW846 8270E
Benzo(a)anthracene		0.49 J	1.0	0.20	ug/l	SW846 8270E
1,1'-Biphenyl		11.0	1.0	0.21	ug/l	SW846 8270E
Carbazole		19.3	1.0	0.23	ug/l	SW846 8270E

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene		0.22 J	1.0	0.18	ug/l	SW846 8270E
Dibenzofuran		42.6	5.0	0.22	ug/l	SW846 8270E
Di-n-butyl phthalate		14.1 B	2.0	0.50	ug/l	SW846 8270E
Fluoranthene		4.9	1.0	0.17	ug/l	SW846 8270E
Fluorene		25.6	1.0	0.17	ug/l	SW846 8270E
2-Methylnaphthalene		50.1	1.0	0.21	ug/l	SW846 8270E
Naphthalene		961	20	4.6	ug/l	SW846 8270E
Phenanthrene		35.8	1.0	0.18	ug/l	SW846 8270E
Pyrene		2.8	1.0	0.22	ug/l	SW846 8270E
Methane [q]		6540	11	8.0	ug/l	RSK-175
Ethane [q]		0.25	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		1130	50	25	ug/l	RSK-175
Iron		711	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		690	5.0		mg/l	SM2320 B-11
Iron, Ferric [e]		0.53	0.30		mg/l	SM3500FE B-11
Sulfate		304	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		2.5	2.0		mg/l	SM4500S2- F-11
JD54013-21	**MW-15(D)**					
Benzene [r]		4780	25	21	ug/l	SW846 8260D
Carbon disulfide [s]		16.1 J	40	9.1	ug/l	SW846 8260D
Cyclohexane [s]		18.5 J	100	16	ug/l	SW846 8260D
Ethylbenzene [s]		1360	20	12	ug/l	SW846 8260D
Isopropylbenzene [s]		61.7	20	13	ug/l	SW846 8260D
Methylcyclohexane [s]		24.1 J	100	12	ug/l	SW846 8260D
Toluene [s]		780	20	9.8	ug/l	SW846 8260D
m,p-Xylene [s]		1900	20	16	ug/l	SW846 8260D
o-Xylene [s]		1360	20	12	ug/l	SW846 8260D
Xylene (total) [s]		3260	20	12	ug/l	SW846 8260D
2,4-Dimethylphenol		80.4	5.0	2.4	ug/l	SW846 8270E
2-Methylphenol		35.1	2.0	0.89	ug/l	SW846 8270E
3&4-Methylphenol		77.6	2.0	0.88	ug/l	SW846 8270E
Phenol		27.9	2.0	0.39	ug/l	SW846 8270E
Acenaphthene		302	10	1.9	ug/l	SW846 8270E
Acenaphthylene		3.8	1.0	0.14	ug/l	SW846 8270E
Anthracene		14.5	1.0	0.21	ug/l	SW846 8270E
Benzo(a)anthracene		1.1	1.0	0.20	ug/l	SW846 8270E
1,1'-Biphenyl		71.1	1.0	0.21	ug/l	SW846 8270E
Carbazole		61.2	1.0	0.23	ug/l	SW846 8270E
Chrysene		0.57 J	1.0	0.18	ug/l	SW846 8270E
Dibenzofuran		160	50	2.2	ug/l	SW846 8270E
Di-n-butyl phthalate		14.0 B	2.0	0.50	ug/l	SW846 8270E
Fluoranthene		10.0	1.0	0.17	ug/l	SW846 8270E
Fluorene		80.4	1.0	0.17	ug/l	SW846 8270E

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
2-Methylnaphthalene		400	10	2.1	ug/l	SW846 8270E
Naphthalene		7330	100	23	ug/l	SW846 8270E
Phenanthrene		63.4	1.0	0.18	ug/l	SW846 8270E
Pyrene		6.5	1.0	0.22	ug/l	SW846 8270E
Methane [r]		6780	11	8.0	ug/l	RSK-175
Ethane [r]		0.93	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]		14900	250	130	ug/l	RSK-175
Iron		674	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]		1380	25		mg/l	SM2320 B-11
Iron, Ferric [e]		0.67	0.30		mg/l	SM3500FE B-11
Sulfate		214	2.0		mg/l	EPA 300/SW846 9056A
Sulfide		3.0	2.0		mg/l	SM4500S2- F-11
JD54013-22	**MW-26(S)**					
Benzene [q]		690	2.5	2.1	ug/l	SW846 8260D
Benzene [t]		804	2.5	2.1	ug/l	SW846 8260D
Carbon disulfide [q]		3.8 J	10	2.3	ug/l	SW846 8260D
Chloroform [u]		26.0	5.0	2.5	ug/l	SW846 8260D
cis-1,2-Dichloroethene [q]		2.7 J	5.0	2.5	ug/l	SW846 8260D
Ethylbenzene [q]		163	5.0	3.0	ug/l	SW846 8260D
Ethylbenzene [t]		166	5.0	3.0	ug/l	SW846 8260D
Isopropylbenzene [q]		34.3	5.0	3.2	ug/l	SW846 8260D
Isopropylbenzene [t]		32.7	5.0	3.2	ug/l	SW846 8260D
Methyl Tert Butyl Ether [q]		10.4	5.0	2.5	ug/l	SW846 8260D
Methyl Tert Butyl Ether [t]		9.9	5.0	2.5	ug/l	SW846 8260D
Toluene [q]		27.5	5.0	2.5	ug/l	SW846 8260D
Toluene [t]		29.7	5.0	2.5	ug/l	SW846 8260D
m,p-Xylene [t]		32.0	5.0	3.9	ug/l	SW846 8260D
m,p-Xylene [q]		31.6	5.0	3.9	ug/l	SW846 8260D
o-Xylene [q]		36.6	5.0	3.0	ug/l	SW846 8260D
o-Xylene [t]		33.2	5.0	3.0	ug/l	SW846 8260D
Xylene (total) [q]		68.2	5.0	3.0	ug/l	SW846 8260D
Xylene (total) [t]		65.2	5.0	3.0	ug/l	SW846 8260D
2,4-Dimethylphenol		443	49	24	ug/l	SW846 8270E
2-Methylphenol		94.1	2.0	0.87	ug/l	SW846 8270E
3&4-Methylphenol		209	20	8.6	ug/l	SW846 8270E
Phenol		28.7	2.0	0.38	ug/l	SW846 8270E
Acenaphthene		162	9.8	1.9	ug/l	SW846 8270E
Acenaphthylene		11.1	0.98	0.13	ug/l	SW846 8270E
Anthracene		18.6	0.98	0.21	ug/l	SW846 8270E
Benzo(a)anthracene		2.9	0.98	0.20	ug/l	SW846 8270E
Benzo(a)pyrene		1.7	0.98	0.21	ug/l	SW846 8270E
Benzo(b)fluoranthene		1.7	0.98	0.20	ug/l	SW846 8270E
Benzo(g,h,i)perylene		0.74 J	0.98	0.33	ug/l	SW846 8270E

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Benzo(k)fluoranthene	0.65 J	0.98	0.20	ug/l	SW846 8270E
1,1'-Biphenyl	67.7	0.98	0.21	ug/l	SW846 8270E
Carbazole	126	9.8	2.2	ug/l	SW846 8270E
Chrysene	2.4	0.98	0.17	ug/l	SW846 8270E
Dibenzofuran	123	49	2.2	ug/l	SW846 8270E
Di-n-butyl phthalate	11.1 B	2.0	0.49	ug/l	SW846 8270E
Fluoranthene	18.4	0.98	0.17	ug/l	SW846 8270E
Fluorene	89.3	0.98	0.17	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene	0.91 J	0.98	0.33	ug/l	SW846 8270E
2-Methylnaphthalene	411	9.8	2.1	ug/l	SW846 8270E
Naphthalene	17300	200	45	ug/l	SW846 8270E
Phenanthrene	104	9.8	1.7	ug/l	SW846 8270E
Pyrene	11.1	0.98	0.21	ug/l	SW846 8270E
Methane [q]	9930	22	16	ug/l	RSK-175
Ethane [q]	1.5	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [c]	8310	250	130	ug/l	RSK-175
Iron	1240	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [d]	1190	20		mg/l	SM2320 B-11
Iron, Ferric [e]	1.2	0.30		mg/l	SM3500FE B-11
Sulfate	4.6	2.0		mg/l	EPA 300/SW846 9056A
Sulfide	6.5	2.0		mg/l	SM4500S2- F-11

(a) Dilution required due to high concentrations of target and non-target compounds.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(d) Sample was titrated to a final pH of 4.5. Sample received with head space.
(e) Calculated as: (Iron) - (Iron, Ferrous)
(f) Field analysis required. Received out of hold time and analyzed by request.
(g) Dilution required due to high concentration of non-target compound.
(h) Dilution required due to matrix interference.
(i) 14x 1mm diameter bubbles present in headspace.
(j) (pH= 6)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of non-target compound.
(k) (pH= 7)Sample pH did not satisfy field preservation criteria.
(l) Dilution required due to high concentration of target compound.
(m) Dilution required due to high concentration of target compound. corr no pH
(n) Dilution required due to viscosity of the extract matrix.
(o) Dilution required due to high concentraton of non-target compound.
(p) (pH= 5)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentraton of non-target compound.
(q) (pH= 6)Sample pH did not satisfy field preservation criteria.
(r) (pH= 3)Sample pH did not satisfy field preservation criteria.
(s) (pH= 3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.

Summary of Hits

Job Number: JD54013
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 10/19/22 thru 10/21/22

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

(t) Preliminary data. (pH= 6)Sample pH did not satisfy field preservation criteria. Dilutionn due to high concentration of target compound.
(u) Preliminary data. (pH= 6)Sample pH did not satisfy field preservation criteria. Dilutionn due to high concentration of target compound. Associated CCV outside of control limits high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D183170.D	10	10/21/22 23:37	KM	n/a	n/a	V3D7704
Run #2	3D183270.D	100	10/24/22 16:17	NW	n/a	n/a	V3D7708

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	2750 [b]	50	43	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane [c]	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	ND	20	4.6	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane [c]	ND	10	7.3	ug/l	
67-66-3	Chloroform	66.5	10	5.0	ug/l	
74-87-3	Chloromethane [c]	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	22.8	50	7.8	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane	ND	1300	190	ug/l	
100-41-4	Ethylbenzene	1210	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	51.1	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	27.5	50	6.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	3460 [b]	100	49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride [c]	ND	10	5.2	ug/l	
	m,p-Xylene	4860 [b]	100	78	ug/l	
95-47-6	o-Xylene	1700	10	5.9	ug/l	
1330-20-7	Xylene (total)	6560 [b]	100	59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	103%	99%	80-120%
2037-26-5	Toluene-D8	101%	100%	80-120%
460-00-4	4-Bromofluorobenzene	103%	97%	82-114%

(a) Dilution required due to high concentrations of target and non-target compounds.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152201.D	1	10/26/22 17:24	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152246.D	10	10/27/22 18:01	HL	10/25/22 19:30	OP42633	EP7050
Run #3	P152247.D	100	10/27/22 18:25	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	975 ml	1.0 ml
Run #2	975 ml	1.0 ml
Run #3	975 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	126 [a]	51	25	ug/l	
51-28-5	2,4-Dinitrophenol [b]	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	16.9	2.1	0.91	ug/l	
	3&4-Methylphenol	9.8	2.1	0.90	ug/l	
88-75-5	2-Nitrophenol [b]	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol [c]	10.2	2.1	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.95	ug/l	
83-32-9	Acenaphthene	111 [a]	10	2.0	ug/l	
208-96-8	Acenaphthylene	12.7	1.0	0.14	ug/l	
98-86-2	Acetophenone	13.0	2.1	0.21	ug/l	
120-12-7	Anthracene	9.3	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.30	ug/l	
56-55-3	Benzo(a)anthracene	1.3	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	0.54	1.0	0.22	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.60	1.0	0.21	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	0.23	1.0	0.21	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.47	ug/l	
92-52-4	1,1'-Biphenyl	43.3	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline [d]	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	114 [a]	10	2.3	ug/l	
105-60-2	Caprolactam [b]	ND	2.1	0.67	ug/l	
218-01-9	Chrysene	0.94	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether [b]	ND	2.1	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.52	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	72.9	5.1	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	6.9	1.0	0.17	ug/l	
86-73-7	Fluorene	52.4	1.0	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.1	0.28	ug/l	
91-57-6	2-Methylnaphthalene	359 [a]	10	2.2	ug/l	
88-74-4	2-Nitroaniline [b]	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.40	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	5980 [e]	100	24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	51.1	1.0	0.18	ug/l	
129-00-0	Pyrene	5.6	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.38	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	94% g	72% f	0% f	10-71%
4165-62-2	Phenol-d5	22%	22%	0% f	10-58%
118-79-6	2,4,6-Tribromophenol	72%	66%	0% f	22-144%
4165-60-0	Nitrobenzene-d5	113%	81%	0% f	28-118%
321-60-8	2-Fluorobiphenyl	54%	54%	0% f	34-116%
1718-51-0	Terphenyl-d14	26%	27%	0% f	10-127%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(e) Result is from Run# 3
(f) Outside control limits due to dilution.
(g) Outside of in house control limits.

Report of Analysis

Client Sample ID: MW-7R
Lab Sample ID: JD54013-1 **Date Sampled:** 10/19/22
Matrix: AQ - Ground Water **Date Received:** 10/19/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97436.D	1	10/26/22 17:45	JN	n/a	n/a	GAA2657
Run #2 [a]	WW142417.D	1	10/24/22 15:41	JN	n/a	n/a	GWW5604
Run #3	AA97437.D	50	10/26/22 17:59	JN	n/a	n/a	GAA2657

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3180 [b]	5.5	4.0	ug/l	
74-84-0	Ethane	0.39	0.23	0.14	ug/l	
74-85-1	Ethene	0.21	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1940 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2480	100	ug/l	1	10/23/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35878

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7R		
Lab Sample ID:	JD54013-1	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	383	5.0	mg/l	1	10/21/22 16:15	MT	SM2320 B-11
Iron, Ferric [b]	1.7	0.30	mg/l	1	10/25/22 21:21	ND	SM3500FE B-11
Iron, Ferrous [c]	0.76	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	144	2.0	mg/l	1	10/21/22 23:10	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-16(S)		
Lab Sample ID:	JD54013-2	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D183266.D	20	10/24/22 13:16	NW	n/a	n/a	V3D7708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	200	61	ug/l	
71-43-2	Benzene	48.5	10	8.5	ug/l	
74-97-5	Bromochloromethane	ND	20	9.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	ND	40	9.1	ug/l	
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane [c]	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
123-91-1	1,4-Dioxane	ND	2500	390	ug/l	
100-41-4	Ethylbenzene	221	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16(S)		
Lab Sample ID:	JD54013-2	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	100	41	ug/l	
98-82-8	Isopropylbenzene	49.1	20	13	ug/l	
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	14.7	100	12	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	37	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	51.9	20	9.8	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	ND	20	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride [c]	ND	20	10	ug/l	
	m,p-Xylene	304	20	16	ug/l	
95-47-6	o-Xylene	218	20	12	ug/l	
1330-20-7	Xylene (total)	522	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

(a) Dilution required due to high concentration of non-target compound.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-16(S)
Lab Sample ID: JD54013-2 **Date Sampled:** 10/19/22
Matrix: AQ - Ground Water **Date Received:** 10/19/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152202.D	1	10/26/22 17:49	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152248.D	100	10/27/22 18:50	HL	10/25/22 19:30	OP42633	EP7050
Run #3	P152295.D	200	10/28/22 22:26	HL	10/25/22 19:30	OP42633	EP7051

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	16.0	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	5.4	2.0	0.89	ug/l	
	3&4-Methylphenol	10.7	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [b]	3.5	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	89.3	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	7.1	1.0	0.14	ug/l	
98-86-2	Acetophenone	4.4	2.0	0.21	ug/l	
120-12-7	Anthracene	13.3	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	2.2	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	1.5	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	1.5	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.75	1.0	0.34	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.56	1.0	0.21	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	38.9	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16(S)		
Lab Sample ID:	JD54013-2	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline [c]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	40.3	1.0	0.23	ug/l	
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	1.8	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	73.6	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	11.9	1.0	0.17	ug/l	
86-73-7	Fluorene	54.2	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.83	1.0	0.33	ug/l	J
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	464 [d]	100	21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	10700 [e]	200	46	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	72.7	1.0	0.18	ug/l	
129-00-0	Pyrene	10.0	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16(S)		
Lab Sample ID:	JD54013-2	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	30%	0% [f]	0% [f]	10-71%
4165-62-2	Phenol-d5	18%	0% [f]	0% [f]	10-58%
118-79-6	2,4,6-Tribromophenol	62%	0% [f]	0% [f]	22-144%
4165-60-0	Nitrobenzene-d5	100%	0% [f]	78%	28-118%
321-60-8	2-Fluorobiphenyl	56%	0% [f]	96%	34-116%
1718-51-0	Terphenyl-d14	29%	0% [f]	41%	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(d) Result is from Run# 2
(e) Result is from Run# 3
(f) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-16(S)
Lab Sample ID: JD54013-2
Matrix: AQ - Ground Water
Method: RSK-175
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/19/22
Date Received: 10/19/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97439.D	1	10/26/22 18:29	JN	n/a	n/a	GAA2657
Run #2 [a]	WW142418.D	1	10/24/22 15:56	JN	n/a	n/a	GWW5604
Run #3	AA97440.D	50	10/26/22 19:08	JN	n/a	n/a	GAA2657

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3220 [b]	5.5	4.0	ug/l	
74-84-0	Ethane	0.18	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	4070 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16(S)		
Lab Sample ID:	JD54013-2	**Date Sampled:**	10/19/22
Matrix:	AQ - Ground Water	**Date Received:**	10/19/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1410	100	ug/l	1	10/23/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35878

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-16(S)
Lab Sample ID: JD54013-2
Matrix: AQ - Ground Water
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/19/22
Date Received: 10/19/22
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	434	5.0	mg/l	1	10/21/22 16:15	MT	SM2320 B-11
Iron, Ferric [b]	0.85	0.30	mg/l	1	10/25/22 21:26	ND	SM3500FE B-11
Iron, Ferrous [c]	0.56	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	80.6	2.0	mg/l	1	10/21/22 23:23	SS	EPA 300/SW846 9056A
Sulfide	4.1	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5. Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JD54013-3	**Date Sampled:**	10/19/22
Matrix:	AQ - Field Blank Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D183264.D	1	10/24/22 12:29	NW	n/a	n/a	V3D7708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	9.1	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JD54013-3	**Date Sampled:**	10/19/22
Matrix:	AQ - Field Blank Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [b]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1
Lab Sample ID: JD54013-3 **Date Sampled:** 10/19/22
Matrix: AQ - Field Blank Water **Date Received:** 10/19/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152203.D	1	10/26/22 18:14	KH	10/25/22 19:30	OP42633	EP7048
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [a]	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline [b]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JD54013-3	**Date Sampled:**	10/19/22
Matrix:	AQ - Field Blank Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		10-71%
4165-62-2	Phenol-d5	15%		10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	JD54013-3	**Date Sampled:**	10/19/22
Matrix:	AQ - Field Blank Water	**Date Received:**	10/19/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	55%		22-144%
4165-60-0	Nitrobenzene-d5	56%		28-118%
321-60-8	2-Fluorobiphenyl	52%		34-116%
1718-51-0	Terphenyl-d14	48%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-1		
Lab Sample ID:	JD54013-4	**Date Sampled:**	10/19/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/19/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D183175.D	1	10/22/22 01:34	KM	n/a	n/a	V3D7704
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	9.7	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB-1
Lab Sample ID: JD54013-4 **Date Sampled:** 10/19/22
Matrix: AQ - Trip Blank Water **Date Received:** 10/19/22
Method: SW846 8260D **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17(S)		
Lab Sample ID:	JD54013-5	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D183393.D	10	10/26/22 17:15	NW	n/a	n/a	V3D7712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	21.9	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	10.8	20	4.6	ug/l	J
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane [b]	ND	1300	190	ug/l	
100-41-4	Ethylbenzene	708	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17(S)		
Lab Sample ID:	JD54013-5	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone [b]	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	64.0	10	6.5	ug/l	
79-20-9	Methyl Acetate [b]	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	58.8	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	ND	10	5.2	ug/l	
	m,p-Xylene	1460	10	7.8	ug/l	
95-47-6	o-Xylene	729	10	5.9	ug/l	
1330-20-7	Xylene (total)	2190	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

(a) Dilution required due to high concentration of non-target compound.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-17(S)
Lab Sample ID: JD54013-5 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P152250.D	10	10/27/22 19:40	HL	10/25/22 19:30	OP42633	EP7050
Run #2	P152251.D	500	10/27/22 20:05	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	975 ml	1.0 ml
Run #2	975 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	51	8.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	51	9.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	21	13	ug/l	
105-67-9	2,4-Dimethylphenol	ND	51	25	ug/l	
51-28-5	2,4-Dinitrophenol	ND	51	16	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	51	13	ug/l	
95-48-7	2-Methylphenol	ND	21	9.1	ug/l	
	3&4-Methylphenol	ND	21	9.0	ug/l	
88-75-5	2-Nitrophenol [b]	ND	51	9.8	ug/l	
100-02-7	4-Nitrophenol	ND	100	12	ug/l	
87-86-5	Pentachlorophenol	ND	41	14	ug/l	
108-95-2	Phenol [b]	ND	21	4.0	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	51	15	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	51	14	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	51	9.5	ug/l	
83-32-9	Acenaphthene	698	10	2.0	ug/l	
208-96-8	Acenaphthylene	28.9	10	1.4	ug/l	
98-86-2	Acetophenone	ND	21	2.1	ug/l	
120-12-7	Anthracene	225	10	2.2	ug/l	
1912-24-9	Atrazine	ND	21	4.6	ug/l	
100-52-7	Benzaldehyde	ND	51	3.0	ug/l	
56-55-3	Benzo(a)anthracene	23.2	10	2.1	ug/l	
50-32-8	Benzo(a)pyrene	5.4	10	2.2	ug/l	J
205-99-2	Benzo(b)fluoranthene	7.3	10	2.1	ug/l	J
191-24-2	Benzo(g,h,i)perylene [b]	ND	10	3.5	ug/l	
207-08-9	Benzo(k)fluoranthene	3.1	10	2.1	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	21	4.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	21	4.7	ug/l	
92-52-4	1,1'-Biphenyl	311	10	2.2	ug/l	
91-58-7	2-Chloronaphthalene	ND	21	2.4	ug/l	
106-47-8	4-Chloroaniline	ND	51	3.5	ug/l	
86-74-8	Carbazole	40.8	10	2.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17(S)		
Lab Sample ID:	JD54013-5	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [b]	ND	21	6.7	ug/l	
218-01-9	Chrysene	17.2	10	1.8	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	21	2.9	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	21	2.5	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	21	4.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	21	3.8	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	5.7	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	4.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	21	5.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene [b]	ND	10	3.4	ug/l	
132-64-9	Dibenzofuran	594	51	2.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	21	5.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	21	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	21	2.7	ug/l	
131-11-3	Dimethyl phthalate	ND	21	2.2	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	21	17	ug/l	
206-44-0	Fluoranthene	178	10	1.7	ug/l	
86-73-7	Fluorene	533	10	1.8	ug/l	
118-74-1	Hexachlorobenzene	ND	10	3.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	100	29	ug/l	
67-72-1	Hexachloroethane	ND	21	4.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	ND	10	3.4	ug/l	
78-59-1	Isophorone	ND	21	2.8	ug/l	
91-57-6	2-Methylnaphthalene	2970 [c]	510	110	ug/l	
88-74-4	2-Nitroaniline [b]	ND	51	2.8	ug/l	
99-09-2	3-Nitroaniline	ND	51	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	51	4.5	ug/l	
91-20-3	Naphthalene	14500 [c]	510	120	ug/l	
98-95-3	Nitrobenzene [b]	ND	21	6.6	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	21	4.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	51	2.3	ug/l	
85-01-8	Phenanthrene	817	10	1.8	ug/l	
129-00-0	Pyrene	128	10	2.2	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	21	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%	0% [d]	10-71%
4165-62-2	Phenol-d5	14%	0% [d]	10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17(S)		
Lab Sample ID:	JD54013-5	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	42%	0% [d]	22-144%
4165-60-0	Nitrobenzene-d5	55%	0% [d]	28-118%
321-60-8	2-Fluorobiphenyl	49%	0% [d]	34-116%
1718-51-0	Terphenyl-d14	24%	0% [d]	10-127%

(a) Dilution required due to matrix interference.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2
(d) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-17(S)
Lab Sample ID: JD54013-5
Matrix: AQ - Ground Water
Method: RSK-175
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/20/22
Date Received: 10/20/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97456.D	1	10/27/22 14:57	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142432.D	1	10/25/22 11:38	JN	n/a	n/a	GWW5605
Run #3	AA97457.D	10	10/27/22 15:11	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	543 [b]	1.1	0.80	ug/l	
74-84-0	Ethane	ND	0.23	0.14	ug/l	
74-85-1	Ethene	0.25	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1260 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17(S)		
Lab Sample ID:	JD54013-5	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	980	100	ug/l	1	10/24/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-17(S)		
Lab Sample ID:	JD54013-5	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	555	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	0.85	0.30	mg/l	1	10/25/22 15:00	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	102	2.0	mg/l	1	10/24/22 18:26	SS	EPA 300/SW846 9056A
Sulfide	3.5	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-11(D)		
Lab Sample ID:	JD54013-6	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D183395.D	10	10/26/22 18:02	NW	n/a	n/a	V3D7712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	1100	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	6.9	20	4.6	ug/l	J
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	10.6	50	7.8	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane [b]	ND	1300	190	ug/l	
100-41-4	Ethylbenzene	1120	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11(D)		
Lab Sample ID:	JD54013-6	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone [b]	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	88.8	10	6.5	ug/l	
79-20-9	Methyl Acetate [b]	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	11.4	50	6.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	92.1	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	ND	10	5.2	ug/l	
	m,p-Xylene	1050	10	7.8	ug/l	
95-47-6	o-Xylene	562	10	5.9	ug/l	
1330-20-7	Xylene (total)	1610	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

(a) Dilution required due to high concentration of non-target compound.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11(D)		
Lab Sample ID:	JD54013-6	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152207.D	1	10/26/22 19:53	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152252.D	10	10/27/22 20:30	HL	10/25/22 19:30	OP42633	EP7050
Run #3	P152253.D	100	10/27/22 20:54	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	950 ml	1.0 ml
Run #3	950 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	419 [a]	53	26	ug/l	
51-28-5	2,4-Dinitrophenol [b]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	10.7	2.1	0.93	ug/l	
	3&4-Methylphenol	13.3	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [b]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol [c]	11.2	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	184 [a]	11	2.0	ug/l	
208-96-8	Acenaphthylene	5.3	1.1	0.14	ug/l	
98-86-2	Acetophenone	4.3	2.1	0.22	ug/l	
120-12-7	Anthracene	5.8	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	38.4	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-11(D)
Lab Sample ID: JD54013-6 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline [d]	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	
105-60-2	Caprolactam [b]	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether [b]	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	90.2	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	1.8	1.1	0.18	ug/l	
86-73-7	Fluorene	57.4	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	316 [a]	11	2.2	ug/l	
88-74-4	2-Nitroaniline [b]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	5650 [e]	110	24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	44.0	1.1	0.18	ug/l	
129-00-0	Pyrene	1.1	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11(D)		
Lab Sample ID:	JD54013-6	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	34%	15%	0% [f]	10-71%
4165-62-2	Phenol-d5	15%	13%	0% [f]	10-58%
118-79-6	2,4,6-Tribromophenol	44%	39%	0% [f]	22-144%
4165-60-0	Nitrobenzene-d5	80%	58%	54%	28-118%
321-60-8	2-Fluorobiphenyl	49%	49%	50%	34-116%
1718-51-0	Terphenyl-d14	20%	20%	0% [f]	10-127%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(e) Result is from Run# 3
(f) Outside control limits due to dilution.

Report of Analysis

Client Sample ID: MW-11(D)
Lab Sample ID: JD54013-6 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA97458.D	1	10/27/22 15:25	JN	n/a	n/a	GAA2658
Run #2 [b]	WW142433.D	1	10/25/22 11:53	JN	n/a	n/a	GWW5605
Run #3 [a]	AA97459.D	50	10/27/22 15:47	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3060 [c]	5.5	4.0	ug/l	
74-84-0	Ethane	0.50	0.23	0.14	ug/l	
74-85-1	Ethene	0.26	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1840 [d]	50	25	ug/l	

(a) 14x 1mm diameter bubbles present in headspace.
(b) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(c) Result is from Run# 3
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11(D)		
Lab Sample ID:	JD54013-6	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	653	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53219
(2) Prep QC Batch: MP35918

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-11(D)		
Lab Sample ID:	JD54013-6	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	895	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	0.43	0.30	mg/l	1	10/27/22 21:28	ND	SM3500FE B-11
Iron, Ferrous [c]	0.22	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	347	2.0	mg/l	1	10/24/22 18:39	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-21(S)		
Lab Sample ID:	JD54013-7	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D183396.D	10	10/26/22 18:25	NW	n/a	n/a	V3D7712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	263	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	8.7	20	4.6	ug/l	J
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	10.9	50	7.8	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane [b]	ND	1300	190	ug/l	
100-41-4	Ethylbenzene	802	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21(S)		
Lab Sample ID:	JD54013-7	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone [b]	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	29.0	10	6.5	ug/l	
79-20-9	Methyl Acetate [b]	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	10.6	50	6.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	154	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	895	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	ND	10	5.2	ug/l	
	m,p-Xylene	2580	10	7.8	ug/l	
95-47-6	o-Xylene	1030	10	5.9	ug/l	
1330-20-7	Xylene (total)	3620	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

(a) Dilution required due to high concentrations of target and non-target compounds.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-21(S)
Lab Sample ID: JD54013-7 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152208.D	1	10/26/22 20:18	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152254.D	100	10/27/22 21:19	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	4.8	5.0	2.4	ug/l	J
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	4.5	2.0	0.89	ug/l	
	3&4-Methylphenol	1.1	2.0	0.88	ug/l	J
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [a]	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	265 [b]	100	19	ug/l	
208-96-8	Acenaphthylene	4.3	1.0	0.14	ug/l	
98-86-2	Acetophenone	4.0	2.0	0.21	ug/l	
120-12-7	Anthracene	3.3	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	0.42	1.0	0.20	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	17.8	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline [c]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	56.2	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21(S)		
Lab Sample ID:	JD54013-7	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	0.25	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	78.3	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	2.0	1.0	0.17	ug/l	
86-73-7	Fluorene	34.5	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	288 [b]	100	21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	5250 [b]	100	23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	28.1	1.0	0.18	ug/l	
129-00-0	Pyrene	1.6	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	0% [d]	10-71%
4165-62-2	Phenol-d5	13%	0% [d]	10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21(S)		
Lab Sample ID:	JD54013-7	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	52%	0% [d]	22-144%
4165-60-0	Nitrobenzene-d5	63%	92%	28-118%
321-60-8	2-Fluorobiphenyl	42%	86%	34-116%
1718-51-0	Terphenyl-d14	23%	0% [d]	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(d) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-21(S)
Lab Sample ID: JD54013-7 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97460.D	1	10/27/22 16:05	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142434.D	1	10/25/22 12:09	JN	n/a	n/a	GWW5605
Run #3	AA97461.D	50	10/27/22 16:17	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	2430 [b]	5.5	4.0	ug/l	
74-84-0	Ethane	0.17	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	245 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21(S)		
Lab Sample ID:	JD54013-7	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1860	100	ug/l	1	10/24/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-21(S)		
Lab Sample ID:	JD54013-7	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	181	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	1.7	0.30	mg/l	1	10/25/22 15:05	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	38.2	2.0	mg/l	1	10/24/22 18:52	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-30(S)		
Lab Sample ID:	JD54013-8	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A221268.D	1	10/27/22 13:45	NW	n/a	n/a	V2A9618
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-30(S)
Lab Sample ID: JD54013-8 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8260D **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.99	1.0	0.65	ug/l	J
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(S)		
Lab Sample ID:	JD54013-8	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152209.D	1	10/26/22 20:43	KH	10/25/22 19:30	OP42633	EP7048
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [a]	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	16.5	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	0.33	1.0	0.14	ug/l	J
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	0.39	1.0	0.21	ug/l	J
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline [b]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-30(S)
Lab Sample ID: JD54013-8 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	0.74	1.0	0.17	ug/l	J
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	0.37	1.0	0.22	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%		10-71%
4165-62-2	Phenol-d5	13%		10-58%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(S)		
Lab Sample ID:	JD54013-8	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	52%		22-144%
4165-60-0	Nitrobenzene-d5	59%		28-118%
321-60-8	2-Fluorobiphenyl	54%		34-116%
1718-51-0	Terphenyl-d14	29%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(S)		
Lab Sample ID:	JD54013-8	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97462.D	1	10/27/22 16:38	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142435.D	1	10/25/22 13:17	JN	n/a	n/a	GWW5605

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	50.4	0.11	0.080	ug/l	
74-84-0	Ethane	ND	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	9550 [b]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(S)		
Lab Sample ID:	JD54013-8	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2150	100	ug/l	1	10/24/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-30(S)		
Lab Sample ID:	JD54013-8	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	359	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	2.0	0.30	mg/l	1	10/25/22 15:10	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	199	2.0	mg/l	1	10/24/22 19:05	SS	EPA 300/SW846 9056A
Sulfide	2.1	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D183398.D	5	10/26/22 19:12	NW	n/a	n/a	V3D7712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.2	50	15	ug/l	J
71-43-2	Benzene	421	2.5	2.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	2.6	10	2.3	ug/l	J
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	9.9	25	3.9	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
123-91-1	1,4-Dioxane [b]	ND	630	97	ug/l	
100-41-4	Ethylbenzene	593	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone [b]	ND	25	10	ug/l	
98-82-8	Isopropylbenzene	49.9	5.0	3.2	ug/l	
79-20-9	Methyl Acetate [b]	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	10.5	25	3.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	25	9.3	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	127	5.0	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	ND	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.6	ug/l	
	m,p-Xylene	540	5.0	3.9	ug/l	
95-47-6	o-Xylene	374	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	914	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Dilution required due to high concentration of non-target compound.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152210.D	1	10/26/22 21:08	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152255.D	20	10/27/22 21:44	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	975 ml	1.0 ml
Run #2	975 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	24.3	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	4.6	2.1	0.91	ug/l	
	3&4-Methylphenol	7.1	2.1	0.90	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol [b]	5.8	2.1	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.95	ug/l	
83-32-9	Acenaphthene	91.4	1.0	0.20	ug/l	
208-96-8	Acenaphthylene	4.0	1.0	0.14	ug/l	
98-86-2	Acetophenone	5.3	2.1	0.21	ug/l	
120-12-7	Anthracene	2.3	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.30	ug/l	
56-55-3	Benzo(a)anthracene	0.38	1.0	0.21	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.47	ug/l	
92-52-4	1,1'-Biphenyl	22.5	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.24	ug/l	
106-47-8	4-Chloroaniline [c]	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	34.3	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	2.1	0.67	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.1	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.52	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	49.2	5.1	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	2.6	1.0	0.17	ug/l	
86-73-7	Fluorene	30.4	1.0	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.1	0.28	ug/l	
91-57-6	2-Methylnaphthalene	83.0	1.0	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.40	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	1660 [d]	21	4.8	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	18.1	1.0	0.18	ug/l	
129-00-0	Pyrene	2.0	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	15%	0% [e]	10-71%
4165-62-2	Phenol-d5	10%	0% [e]	10-58%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	28%	0% [e]	22-144%
4165-60-0	Nitrobenzene-d5	52%	49%	28-118%
321-60-8	2-Fluorobiphenyl	41%	45%	34-116%
1718-51-0	Terphenyl-d14	23%	0% [e]	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(d) Result is from Run# 2
(e) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97464.D	1	10/27/22 17:22	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142436.D	1	10/25/22 13:33	JN	n/a	n/a	GWW5605
Run #3	AA97466.D	100	10/27/22 17:52	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5940 [b]	11	8.0	ug/l	
74-84-0	Ethane	0.37	0.23	0.14	ug/l	
74-85-1	Ethene	0.17	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	2630 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2050	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53219
(2) Prep QC Batch: MP35918

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-30(D)		
Lab Sample ID:	JD54013-9	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	550	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	1.8	0.30	mg/l	1	10/27/22 21:33	ND	SM3500FE B-11
Iron, Ferrous [c]	0.28	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	20.2	2.0	mg/l	1	10/24/22 19:18	SS	EPA 300/SW846 9056A
Sulfide	5.8	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D183399.D	1	10/26/22 19:36	NW	n/a	n/a	V3D7712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.8	10	3.1	ug/l	J
71-43-2	Benzene	46.8	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	0.89	2.0	0.46	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	1.1	5.0	0.78	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [a]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	162	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone [a]	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	25.4	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	0.66	5.0	0.60	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	3.7	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	62.8	1.0	0.78	ug/l	
95-47-6	o-Xylene	49.4	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	112	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152211.D	1	10/26/22 21:33	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152256.D	20	10/27/22 22:09	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [a]	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	158 [b]	20	3.8	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	8.9	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	0.44	1.0	0.20	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	47.4	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline [c]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	102 [b]	20	4.6	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	0.31	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	97.1	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	4.8	1.0	0.17	ug/l	
86-73-7	Fluorene	73.0	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	135 [b]	20	4.2	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	1500 [b]	20	4.6	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	66.6	1.0	0.18	ug/l	
129-00-0	Pyrene	3.3	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	21%	0% [d]	10-71%
4165-62-2	Phenol-d5	14%	0% [d]	10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	49%	0% [d]	22-144%
4165-60-0	Nitrobenzene-d5	66%	54%	28-118%
321-60-8	2-Fluorobiphenyl	48%	50%	34-116%
1718-51-0	Terphenyl-d14	27%	0% [d]	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(d) Outside control limits due to dilution.

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97467.D	1	10/27/22 18:08	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142437.D	1	10/25/22 13:49	JN	n/a	n/a	GWW5605
Run #3	AA97468.D	100	10/27/22 18:22	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5020 [b]	11	8.0	ug/l	
74-84-0	Ethane	0.63	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1610 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	423	100	ug/l	1	10/24/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-19(D)		
Lab Sample ID:	JD54013-10	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	459	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	0.39	0.30	mg/l	1	10/25/22 15:15	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	6.3	2.0	mg/l	1	10/24/22 19:31	SS	EPA 300/SW846 9056A
Sulfide	5.4	2.0	mg/l	1	10/23/22 14:08	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5. Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A221272.D	10	10/27/22 15:39	NW	n/a	n/a	V2A9618
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	100	31	ug/l	
71-43-2	Benzene	43.2	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	100	27	ug/l	
75-15-0	Carbon disulfide	ND	20	4.6	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane [b]	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane [b]	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
123-91-1	1,4-Dioxane	ND	1300	190	ug/l	
100-41-4	Ethylbenzene	824	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	61.5	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	19	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	21.9	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride [b]	ND	10	5.2	ug/l	
	m,p-Xylene	531	10	7.8	ug/l	
95-47-6	o-Xylene	521	10	5.9	ug/l	
1330-20-7	Xylene (total)	1050	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) (pH= 6)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of non-target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152216.D	1	10/26/22 23:37	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152257.D	10	10/27/22 22:34	HL	10/25/22 19:30	OP42633	EP7050
Run #3	P152258.D	100	10/27/22 22:58	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [b]	0.99	2.0	0.39	ug/l	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	190 [c]	10	1.9	ug/l	
208-96-8	Acenaphthylene	4.5	1.0	0.14	ug/l	
98-86-2	Acetophenone	2.2	2.0	0.21	ug/l	
120-12-7	Anthracene	35.8	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	6.2	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	3.5	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	3.9	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.9	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	1.5	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	61.9	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline [d]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	69.3	1.0	0.23	ug/l	
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	5.0	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.52	1.0	0.33	ug/l	J
132-64-9	Dibenzofuran	149 [c]	50	2.2	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	33.3	1.0	0.17	ug/l	
86-73-7	Fluorene	111 [c]	10	1.7	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	2.2	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	379 [c]	10	2.1	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	4510 [e]	100	23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	165 [c]	10	1.8	ug/l	
129-00-0	Pyrene	24.8	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	28%	12%	0% [f]	10-71%
4165-62-2	Phenol-d5	13%	11%	0% [f]	10-58%
118-79-6	2,4,6-Tribromophenol	40%	34%	0% [f]	22-144%
4165-60-0	Nitrobenzene-d5	78%	54%	0% [f]	28-118%
321-60-8	2-Fluorobiphenyl	41%	44%	46%	34-116%
1718-51-0	Terphenyl-d14	20%	20%	0% [f]	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Result is from Run# 2
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(e) Result is from Run# 3
(f) Outside control limits due to dilution.

Report of Analysis

Client Sample ID: MW-10
Lab Sample ID: JD54013-11
Matrix: AQ - Ground Water
Method: RSK-175
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/20/22
Date Received: 10/20/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA97469.D	1	10/27/22 18:36	JN	n/a	n/a	GAA2658
Run #2 [b]	WW142439.D	1	10/25/22 14:27	JN	n/a	n/a	GWW5605
Run #3 [a]	AA97470.D	100	10/27/22 18:49	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3550 [c]	11	8.0	ug/l	
74-84-0	Ethane	0.48	0.23	0.14	ug/l	
74-85-1	Ethene	0.17	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	6790 [d]	50	25	ug/l	

(a) (pH= 7)Sample pH did not satisfy field preservation criteria.
(b) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(c) Result is from Run# 3
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2280	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53219
(2) Prep QC Batch: MP35918

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JD54013-11	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	1730	50	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	2.3	0.30	mg/l	1	10/27/22 21:38	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	994	10	mg/l	5	10/25/22 13:58	SS	EPA 300/SW846 9056A
Sulfide	6.1	2.0	mg/l	1	10/23/22 14:28	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5. Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-24(D)		
Lab Sample ID:	JD54013-12	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A221269.D	1	10/27/22 14:13	NW	n/a	n/a	V2A9618
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	7.8	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	1.1	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-24(D)
Lab Sample ID: JD54013-12 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8260D **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	0.79	1.0	0.65	ug/l	J
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-24(D)
Lab Sample ID: JD54013-12 **Date Sampled:** 10/20/22
Matrix: AQ - Ground Water **Date Received:** 10/20/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152212.D	1	10/26/22 21:58	KH	10/25/22 19:30	OP42633	EP7048
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol [a]	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	5.9	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	0.20	1.0	0.14	ug/l	J
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	0.29	1.0	0.21	ug/l	J
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline [b]	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	0.40	1.0	0.23	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(D)		
Lab Sample ID:	JD54013-12	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	3.7	5.0	0.22	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	1.7	1.0	0.17	ug/l	
86-73-7	Fluorene	1.5	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	10.6	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	2.7	1.0	0.18	ug/l	
129-00-0	Pyrene	1.8	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%		10-71%
4165-62-2	Phenol-d5	13%		10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(D)		
Lab Sample ID:	JD54013-12	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	56%		22-144%
4165-60-0	Nitrobenzene-d5	53%		28-118%
321-60-8	2-Fluorobiphenyl	49%		34-116%
1718-51-0	Terphenyl-d14	24%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-24(D)
Lab Sample ID: JD54013-12
Matrix: AQ - Ground Water
Method: RSK-175
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/20/22
Date Received: 10/20/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97471.D	1	10/27/22 19:02	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142442.D	1	10/25/22 15:15	JN	n/a	n/a	GWW5605
Run #3	AA97472.D	50	10/27/22 19:16	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3310 [b]	5.5	4.0	ug/l	
74-84-0	Ethane	0.61	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1210 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(D)		
Lab Sample ID:	JD54013-12	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	< 100	100	ug/l	1	10/24/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-24(D)		
Lab Sample ID:	JD54013-12	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	558	5.0	mg/l	1	10/21/22 17:50	MT	SM2320 B-11
Iron, Ferric [b]	< 0.30	0.30	mg/l	1	10/25/22 15:20	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	25.6	2.0	mg/l	1	10/24/22 19:57	SS	EPA 300/SW846 9056A
Sulfide	3.8	2.0	mg/l	1	10/23/22 14:28	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A221270.D	100	10/27/22 14:42	NW	n/a	n/a	V2A9618
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	1000	310	ug/l	
71-43-2	Benzene	384	50	43	ug/l	
74-97-5	Bromochloromethane	ND	100	48	ug/l	
75-27-4	Bromodichloromethane	ND	100	45	ug/l	
75-25-2	Bromoform	ND	100	63	ug/l	
74-83-9	Bromomethane	ND	200	160	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	1000	270	ug/l	
75-15-0	Carbon disulfide	ND	200	46	ug/l	
56-23-5	Carbon tetrachloride	ND	100	55	ug/l	
108-90-7	Chlorobenzene	ND	100	56	ug/l	
75-00-3	Chloroethane	ND	100	73	ug/l	
67-66-3	Chloroform	ND	100	50	ug/l	
74-87-3	Chloromethane [b]	ND	100	76	ug/l	
110-82-7	Cyclohexane	ND	500	78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	53	ug/l	
124-48-1	Dibromochloromethane	ND	100	56	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	100	53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	100	54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	100	51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	200	56	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	57	ug/l	
107-06-2	1,2-Dichloroethane [b]	ND	100	60	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	54	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	43	ug/l	
123-91-1	1,4-Dioxane	ND	13000	1900	ug/l	
100-41-4	Ethylbenzene	1230	100	60	ug/l	
76-13-1	Freon 113	ND	500	58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	500	200	ug/l	
98-82-8	Isopropylbenzene	ND	100	65	ug/l	
79-20-9	Methyl Acetate	ND	500	80	ug/l	
108-87-2	Methylcyclohexane	ND	500	60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	190	ug/l	
75-09-2	Methylene chloride	ND	200	100	ug/l	
100-42-5	Styrene	ND	100	49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	65	ug/l	
127-18-4	Tetrachloroethene	ND	100	56	ug/l	
108-88-3	Toluene	15200	100	49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	100	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	53	ug/l	
79-01-6	Trichloroethene	ND	100	53	ug/l	
75-69-4	Trichlorofluoromethane	ND	200	40	ug/l	
75-01-4	Vinyl chloride [b]	ND	100	52	ug/l	
	m,p-Xylene	3440	100	78	ug/l	
95-47-6	o-Xylene	1570	100	59	ug/l	
1330-20-7	Xylene (total)	5010	100	59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152213.D	1	10/26/22 22:23	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152259.D	10	10/27/22 23:23	HL	10/25/22 19:30	OP42633	EP7050
Run #3	P152260.D	100	10/27/22 23:48	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	950 ml	1.0 ml
Run #3	950 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	92.3	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	19.5	2.1	0.93	ug/l	
	3&4-Methylphenol	34.7	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol [b]	11.1	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	81.4	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	11.1	1.1	0.14	ug/l	
98-86-2	Acetophenone	67.2	2.1	0.22	ug/l	
120-12-7	Anthracene	4.7	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	0.72	1.1	0.21	ug/l	J
50-32-8	Benzo(a)pyrene	0.40	1.1	0.22	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.44	1.1	0.22	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	43.7	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline [c]	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	57.6	1.1	0.24	ug/l	
105-60-2	Caprolactam [a]	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	0.47	1.1	0.19	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	64.3	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	2.8	1.1	0.18	ug/l	
86-73-7	Fluorene	33.5	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	439 [d]	11	2.2	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	6850 [e]	110	24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	31.2	1.1	0.18	ug/l	
129-00-0	Pyrene	2.1	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	87% g	77% f	0% f	10-71%
4165-62-2	Phenol-d5	13%	9% f	0% f	10-58%
118-79-6	2,4,6-Tribromophenol	28%	22%	0% f	22-144%
4165-60-0	Nitrobenzene-d5	89%	60%	56%	28-118%
321-60-8	2-Fluorobiphenyl	32% g	33% f	31% f	34-116%
1718-51-0	Terphenyl-d14	21%	21%	0% f	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(d) Result is from Run# 2
(e) Result is from Run# 3
(f) Outside control limits due to dilution.
(g) Outside of in house control limits.

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97473.D	1	10/27/22 19:31	JN	n/a	n/a	GAA2658
Run #2 [a]	WW142446.D	1	10/25/22 16:17	JN	n/a	n/a	GWW5605
Run #3	AA97474.D	100	10/27/22 19:47	JN	n/a	n/a	GAA2658

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5090 [b]	11	8.0	ug/l	
74-84-0	Ethane	0.43	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1210 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	5450	100	ug/l	1	10/24/22	10/25/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53205
(2) Prep QC Batch: MP35880

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JD54013-13	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	881	5.0	mg/l	1	10/24/22 13:20	MT	SM2320 B-11
Iron, Ferric [b]	4.8	0.30	mg/l	1	10/25/22 15:25	ND	SM3500FE B-11
Iron, Ferrous [c]	0.68	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	59.9	2.0	mg/l	1	10/24/22 21:01	SS	EPA 300/SW846 9056A
Sulfide	3.2	2.0	mg/l	1	10/23/22 14:28	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9 DUP		
Lab Sample ID:	JD54013-14	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A221271.D	100	10/27/22 15:11	NW	n/a	n/a	V2A9618
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	1000	310	ug/l	
71-43-2	Benzene	420	50	43	ug/l	
74-97-5	Bromochloromethane	ND	100	48	ug/l	
75-27-4	Bromodichloromethane	ND	100	45	ug/l	
75-25-2	Bromoform	ND	100	63	ug/l	
74-83-9	Bromomethane	ND	200	160	ug/l	
78-93-3	2-Butanone (MEK) [b]	ND	1000	270	ug/l	
75-15-0	Carbon disulfide	ND	200	46	ug/l	
56-23-5	Carbon tetrachloride	ND	100	55	ug/l	
108-90-7	Chlorobenzene	ND	100	56	ug/l	
75-00-3	Chloroethane	ND	100	73	ug/l	
67-66-3	Chloroform	ND	100	50	ug/l	
74-87-3	Chloromethane [b]	ND	100	76	ug/l	
110-82-7	Cyclohexane	ND	500	78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	53	ug/l	
124-48-1	Dibromochloromethane	ND	100	56	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	100	53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	100	54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	100	51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	200	56	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	57	ug/l	
107-06-2	1,2-Dichloroethane [b]	ND	100	60	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	54	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	43	ug/l	
123-91-1	1,4-Dioxane	ND	13000	1900	ug/l	
100-41-4	Ethylbenzene	1220	100	60	ug/l	
76-13-1	Freon 113	ND	500	58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9 DUP		
Lab Sample ID:	JD54013-14	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	500	200	ug/l	
98-82-8	Isopropylbenzene	65.1	100	65	ug/l	J
79-20-9	Methyl Acetate	ND	500	80	ug/l	
108-87-2	Methylcyclohexane	ND	500	60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	190	ug/l	
75-09-2	Methylene chloride	ND	200	100	ug/l	
100-42-5	Styrene	ND	100	49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	65	ug/l	
127-18-4	Tetrachloroethene	ND	100	56	ug/l	
108-88-3	Toluene	15300	100	49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	100	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	53	ug/l	
79-01-6	Trichloroethene	ND	100	53	ug/l	
75-69-4	Trichlorofluoromethane	ND	200	40	ug/l	
75-01-4	Vinyl chloride [b]	ND	100	52	ug/l	
	m,p-Xylene	3410	100	78	ug/l	
95-47-6	o-Xylene	1570	100	59	ug/l	
1330-20-7	Xylene (total)	4980	100	59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Dilution required due to high concentration of target compound.corr no pH
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9 DUP		
Lab Sample ID:	JD54013-14	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P152214.D	1	10/26/22 22:48	KH	10/25/22 19:30	OP42633	EP7048
Run #2	P152261.D	10	10/28/22 00:13	HL	10/25/22 19:30	OP42633	EP7050
Run #3	P152262.D	500	10/28/22 00:37	HL	10/25/22 19:30	OP42633	EP7050

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	950 ml	1.0 ml
Run #3	950 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	77.0 [a]	53	26	ug/l	
51-28-5	2,4-Dinitrophenol [b]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	23.7	2.1	0.93	ug/l	
	3&4-Methylphenol	41.6	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [b]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol [c]	14.6	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	147 [a]	11	2.0	ug/l	
208-96-8	Acenaphthylene	18.1	1.1	0.14	ug/l	
98-86-2	Acetophenone	89.7	2.1	0.22	ug/l	
120-12-7	Anthracene	9.0	1.1	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	1.6	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	0.97	1.1	0.22	ug/l	J
205-99-2	Benzo(b)fluoranthene	1.0	1.1	0.22	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.58	1.1	0.36	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.33	1.1	0.22	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	74.0	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9 DUP		
Lab Sample ID:	JD54013-14	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline [d]	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	84.0	1.1	0.24	ug/l	
105-60-2	Caprolactam [b]	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	1.2	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether [b]	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	120 [a]	53	2.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	6.6	1.1	0.18	ug/l	
86-73-7	Fluorene	61.4	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	1.1	0.35	ug/l	J
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	721 [a]	11	2.2	ug/l	
88-74-4	2-Nitroaniline [b]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	18400 [e]	530	120	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	63.8	1.1	0.18	ug/l	
129-00-0	Pyrene	4.6	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9 DUP		
Lab Sample ID:	JD54013-14	**Date Sampled:**	10/20/22
Matrix:	AQ - Ground Water	**Date Received:**	10/20/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	123% g	116% f	0% f	10-71%
4165-62-2	Phenol-d5	15%	13%	0% f	10-58%
118-79-6	2,4,6-Tribromophenol	32%	24%	0% f	22-144%
4165-60-0	Nitrobenzene-d5	184% g	78%	0% f	28-118%
321-60-8	2-Fluorobiphenyl	57%	58%	0% f	34-116%
1718-51-0	Terphenyl-d14	42%	40%	0% f	10-127%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(e) Result is from Run# 3
(f) Outside control limits due to dilution.
(g) Outside control limits due to matrix interference.

Report of Analysis

Client Sample ID:	MW-24(S)		
Lab Sample ID:	JD54013-15	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U49441.D	1	10/25/22 23:17	ED	n/a	n/a	V2U2006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene [b]	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(S)		
Lab Sample ID:	JD54013-15	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene [b]	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total) [c]	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-24(S)
Lab Sample ID: JD54013-15 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F210469.D	5	10/27/22 16:35	KH	10/25/22 08:50	OP42699	EF9280
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	25	4.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	25	4.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	9.8	6.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	25	12	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	7.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	25	6.4	ug/l	
95-48-7	2-Methylphenol	ND	9.8	4.4	ug/l	
	3&4-Methylphenol	ND	9.8	4.3	ug/l	
88-75-5	2-Nitrophenol [b]	ND	25	4.7	ug/l	
100-02-7	4-Nitrophenol	ND	49	5.6	ug/l	
87-86-5	Pentachlorophenol [b]	ND	20	6.8	ug/l	
108-95-2	Phenol	ND	9.8	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	25	7.2	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	25	6.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	25	4.5	ug/l	
83-32-9	Acenaphthene	9.4	4.9	0.94	ug/l	
208-96-8	Acenaphthylene	0.98	4.9	0.67	ug/l	J
98-86-2	Acetophenone	ND	9.8	1.0	ug/l	
120-12-7	Anthracene	1.2	4.9	1.0	ug/l	J
1912-24-9	Atrazine	ND	9.8	2.2	ug/l	
100-52-7	Benzaldehyde	ND	25	1.4	ug/l	
56-55-3	Benzo(a)anthracene	2.0	4.9	1.0	ug/l	J
50-32-8	Benzo(a)pyrene	1.2	4.9	1.0	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	4.9	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	1.7	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	9.8	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	9.8	2.2	ug/l	
92-52-4	1,1'-Biphenyl	ND	4.9	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	9.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	25	1.7	ug/l	
86-74-8	Carbazole	ND	4.9	1.1	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(S)		
Lab Sample ID:	JD54013-15	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	9.8	3.2	ug/l	
218-01-9	Chrysene	1.1	4.9	0.86	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	9.8	1.4	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	9.8	1.2	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	9.8	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	9.8	1.8	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	2.7	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	2.3	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.6	ug/l	
132-64-9	Dibenzofuran	2.7	25	1.1	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	9.8	2.4	ug/l	
117-84-0	Di-n-octyl phthalate	ND	9.8	1.1	ug/l	
84-66-2	Diethyl phthalate	ND	9.8	1.3	ug/l	
131-11-3	Dimethyl phthalate	ND	9.8	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	9.8	8.1	ug/l	
206-44-0	Fluoranthene	6.8	4.9	0.83	ug/l	
86-73-7	Fluorene	1.3	4.9	0.84	ug/l	J
118-74-1	Hexachlorobenzene	ND	4.9	1.6	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	49	14	ug/l	
67-72-1	Hexachloroethane	ND	9.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.6	ug/l	
78-59-1	Isophorone	ND	9.8	1.4	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	25	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	25	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	25	2.2	ug/l	
91-20-3	Naphthalene	13.6	4.9	1.1	ug/l	
98-95-3	Nitrobenzene	ND	9.8	3.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	9.8	2.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	25	1.1	ug/l	
85-01-8	Phenanthrene	3.9	4.9	0.86	ug/l	J
129-00-0	Pyrene	4.9	4.9	1.1	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	9.8	1.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	18%		10-71%
4165-62-2	Phenol-d5	16%		10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(S)		
Lab Sample ID:	JD54013-15	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	74%		22-144%
4165-60-0	Nitrobenzene-d5	63%		28-118%
321-60-8	2-Fluorobiphenyl	65%		34-116%
1718-51-0	Terphenyl-d14	31%		10-127%

(a) Dilution required due to viscosity of the extract matrix.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-24(S)
Lab Sample ID: JD54013-15 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97484.D	1	10/28/22 09:34	WC	n/a	n/a	GAA2659
Run #2 [a]	WW142447.D	1	10/25/22 16:35	JN	n/a	n/a	GWW5605
Run #3	AA97485.D	50	10/28/22 09:47	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3290 [b]	5.5	4.0	ug/l	
74-84-0	Ethane	0.97	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1130 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24(S)		
Lab Sample ID:	JD54013-15	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1740	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53220
(2) Prep QC Batch: MP35919

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-24(S)		
Lab Sample ID:	JD54013-15	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	569	5.0	mg/l	1	10/25/22 16:05	MT	SM2320 B-11
Iron, Ferric [b]	1.7	0.30	mg/l	1	10/27/22 10:16	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	68.7	2.0	mg/l	1	10/25/22 18:04	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5. Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-25(S)		
Lab Sample ID:	JD54013-16	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U49442.D	1	10/25/22 23:32	ED	n/a	n/a	V1U2006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform [a]	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(S)		
Lab Sample ID:	JD54013-16	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-25(S)
Lab Sample ID: JD54013-16 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F210438.D	1	10/26/22 22:36	HL	10/25/22 08:50	OP42699	EF9279
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	0.89	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	0.97	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.4	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.4	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.2	0.97	ug/l	
	3&4-Methylphenol	ND	2.2	0.96	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	1.0	ug/l	
100-02-7	4-Nitrophenol [a]	ND	11	1.3	ug/l	
87-86-5	Pentachlorophenol [a]	ND	4.3	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.43	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.4	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	1.0	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.21	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.15	ug/l	
98-86-2	Acetophenone	ND	2.2	0.23	ug/l	
120-12-7	Anthracene	ND	1.1	0.23	ug/l	
1912-24-9	Atrazine [a]	ND	2.2	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.4	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.37	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.44	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.50	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.23	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.26	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.37	ug/l	
86-74-8	Carbazole	ND	1.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(S)		
Lab Sample ID:	JD54013-16	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.71	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.30	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.27	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.2	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.40	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.60	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.52	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.55	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.36	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	6.4	2.2	0.54	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.2	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.24	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	1.8	ug/l	
206-44-0	Fluoranthene	0.37	1.1	0.18	ug/l	J
86-73-7	Fluorene	ND	1.1	0.19	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.53	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	3.0	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.42	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.36	ug/l	
78-59-1	Isophorone	ND	2.2	0.30	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.23	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	0.42	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	0.48	ug/l	
91-20-3	Naphthalene	ND	1.1	0.25	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.70	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.52	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.24	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	0.69	1.1	0.24	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-71%
4165-62-2	Phenol-d5	23%		10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(S)		
Lab Sample ID:	JD54013-16	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	93%		22-144%
4165-60-0	Nitrobenzene-d5	73%		28-118%
321-60-8	2-Fluorobiphenyl	78%		34-116%
1718-51-0	Terphenyl-d14	46%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(S)		
Lab Sample ID:	JD54013-16	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97486.D	1	10/28/22 09:59	WC	n/a	n/a	GAA2659
Run #2 [a]	WW142448.D	1	10/25/22 16:58	JN	n/a	n/a	GWW5605
Run #3	AA97488.D	5	10/28/22 10:34	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	470 [b]	0.55	0.40	ug/l	
74-84-0	Ethane	0.30	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	6570 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(S)		
Lab Sample ID:	JD54013-16	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	4170	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53220
(2) Prep QC Batch: MP35919

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-25(S)
Lab Sample ID: JD54013-16
Matrix: AQ - Ground Water
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/21/22
Date Received: 10/21/22
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	376	5.0	mg/l	1	10/25/22 16:05	MT	SM2320 B-11
Iron, Ferric [b]	4.1	0.30	mg/l	1	10/27/22 10:21	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	765	8.0	mg/l	4	10/26/22 14:55	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2U49443.D	1	10/25/22 23:46	ED	n/a	n/a	V2U2006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene [b]	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.73	1.0	0.51	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene [b]	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total) [c]	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-25(D)
Lab Sample ID: JD54013-17 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F210439.D	1	10/26/22 23:04	HL	10/25/22 08:50	OP42699	EF9279
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol [a]	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol [a]	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	0.49	1.1	0.20	ug/l	J
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	28.2	2.1	0.52	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	0.48	1.1	0.18	ug/l	J
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	0.69	1.1	0.23	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	14%		10-71%
4165-62-2	Phenol-d5	11%		10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	71%		22-144%
4165-60-0	Nitrobenzene-d5	51%		28-118%
321-60-8	2-Fluorobiphenyl	54%		34-116%
1718-51-0	Terphenyl-d14	27%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97489.D	1	10/28/22 10:47	WC	n/a	n/a	GAA2659
Run #2 [a]	WW142456.D	1	10/26/22 11:36	JN	n/a	n/a	GWW5606
Run #3	AA97490.D	10	10/28/22 11:00	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	563 [b]	1.1	0.80	ug/l	
74-84-0	Ethane	0.43	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	2240 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	786	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53220
(2) Prep QC Batch: MP35919

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-25(D)		
Lab Sample ID:	JD54013-17	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	381	0.0050	mg/l	1	10/25/22 16:05	MT	SM2320 B-11
Iron, Ferric [b]	0.79	0.30	mg/l	1	10/27/22 10:27	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	1090	6.0	mg/l	3	10/26/22 15:08	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1U49444.D	1	10/26/22 00:01	ED	n/a	n/a	V1U2006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	68.6	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform [a]	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	13.8	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	7.4	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.3	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	1.3	1.0	0.78	ug/l	
95-47-6	o-Xylene	1.1	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	2.4	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-27(S)
Lab Sample ID: JD54013-18 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F210440.D	1	10/26/22 23:31	HL	10/25/22 08:50	OP42699	EF9279
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol [a]	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol [a]	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	17.7	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	1.4	1.1	0.14	ug/l	
98-86-2	Acetophenone	0.53	2.1	0.22	ug/l	J
120-12-7	Anthracene	3.4	1.1	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	1.2	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	0.77	1.1	0.22	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.75	1.1	0.22	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.54	1.1	0.36	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.29	1.1	0.22	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	0.58	1.1	0.22	ug/l	J
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	14.2	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	0.90	1.1	0.19	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	8.8	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	9.9	2.1	0.52	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	3.9	1.1	0.18	ug/l	
86-73-7	Fluorene	6.8	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.49	1.1	0.35	ug/l	J
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	0.96	1.1	0.22	ug/l	J
88-74-4	2-Nitroaniline	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	11.1	1.1	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	10.8	1.1	0.18	ug/l	
129-00-0	Pyrene	3.1	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%		10-71%
4165-62-2	Phenol-d5	17%		10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	83%		22-144%
4165-60-0	Nitrobenzene-d5	63%		28-118%
321-60-8	2-Fluorobiphenyl	67%		34-116%
1718-51-0	Terphenyl-d14	43%		10-127%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97491.D	1	10/28/22 11:13	WC	n/a	n/a	GAA2659
Run #2 [a]	WW142459.D	10	10/26/22 13:37	JN	n/a	n/a	GWW5606
Run #3	AA97492.D	100	10/28/22 11:26	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5570 [b]	11	8.0	ug/l	
74-84-0	Ethane	1.1	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	2850 [c]	500	250	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2120	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53220
(2) Prep QC Batch: MP35919

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-27(S)		
Lab Sample ID:	JD54013-18	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	740	5.0	mg/l	1	10/25/22 16:05	MT	SM2320 B-11
Iron, Ferric [b]	1.9	0.30	mg/l	1	10/27/22 10:32	ND	SM3500FE B-11
Iron, Ferrous [c]	0.26	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	70.9	2.0	mg/l	1	10/25/22 19:08	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-27(D)		
Lab Sample ID:	JD54013-19	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1A227619.D	4	10/27/22 17:00	NW	n/a	n/a	V1A9741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	40	12	ug/l	
71-43-2	Benzene	11.1	2.0	1.7	ug/l	
74-97-5	Bromochloromethane	ND	4.0	1.9	ug/l	
75-27-4	Bromodichloromethane	ND	4.0	1.8	ug/l	
75-25-2	Bromoform	ND	4.0	2.5	ug/l	
74-83-9	Bromomethane [b]	ND	8.0	6.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	40	11	ug/l	
75-15-0	Carbon disulfide	2.0	8.0	1.8	ug/l	J
56-23-5	Carbon tetrachloride	ND	4.0	2.2	ug/l	
108-90-7	Chlorobenzene	ND	4.0	2.2	ug/l	
75-00-3	Chloroethane [b]	ND	4.0	2.9	ug/l	
67-66-3	Chloroform	ND	4.0	2.0	ug/l	
74-87-3	Chloromethane	ND	4.0	3.0	ug/l	
110-82-7	Cyclohexane	ND	20	3.1	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	8.0	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	4.0	2.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	4.0	1.9	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.0	2.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.0	2.2	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	8.0	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	4.0	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	4.0	2.4	ug/l	
75-35-4	1,1-Dichloroethene	ND	4.0	2.4	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	4.0	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	4.0	2.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	4.0	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	1.9	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	1.7	ug/l	
123-91-1	1,4-Dioxane [b]	ND	500	77	ug/l	
100-41-4	Ethylbenzene	46.0	4.0	2.4	ug/l	
76-13-1	Freon 113	ND	20	2.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(D)		
Lab Sample ID:	JD54013-19	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	8.1	ug/l	
98-82-8	Isopropylbenzene	12.2	4.0	2.6	ug/l	
79-20-9	Methyl Acetate	ND	20	3.2	ug/l	
108-87-2	Methylcyclohexane	ND	20	2.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	4.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	20	7.4	ug/l	
75-09-2	Methylene chloride	ND	8.0	4.0	ug/l	
100-42-5	Styrene	ND	4.0	1.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	2.6	ug/l	
127-18-4	Tetrachloroethene	ND	4.0	2.2	ug/l	
108-88-3	Toluene	7.7	4.0	2.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	4.0	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	4.0	2.1	ug/l	
79-01-6	Trichloroethene	ND	4.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	1.6	ug/l	
75-01-4	Vinyl chloride	ND	4.0	2.1	ug/l	
	m,p-Xylene	32.7	4.0	3.1	ug/l	
95-47-6	o-Xylene	21.5	4.0	2.4	ug/l	
1330-20-7	Xylene (total)	54.2	4.0	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Dilution required due to high concentraton of non-target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-27(D)
Lab Sample ID: JD54013-19 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F210471.D	5	10/27/22 17:29	KH	10/25/22 08:50	OP42699	EF9280
Run #2	F210576.D	10	10/31/22 19:38	KH	10/25/22 08:50	OP42699	EF9284

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	950 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	26	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	26	4.7	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	6.7	ug/l	
105-67-9	2,4-Dimethylphenol	58.9	26	13	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	8.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	26	6.8	ug/l	
95-48-7	2-Methylphenol	ND	11	4.7	ug/l	
	3&4-Methylphenol	ND	11	4.6	ug/l	
88-75-5	2-Nitrophenol [b]	ND	26	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	53	6.1	ug/l	
87-86-5	Pentachlorophenol [b]	ND	21	7.3	ug/l	
108-95-2	Phenol	ND	11	2.1	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	26	7.7	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	26	7.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	26	4.9	ug/l	
83-32-9	Acenaphthene	102	5.3	1.0	ug/l	
208-96-8	Acenaphthylene	8.4	5.3	0.72	ug/l	
98-86-2	Acetophenone	ND	11	1.1	ug/l	
120-12-7	Anthracene	39.5	5.3	1.1	ug/l	
1912-24-9	Atrazine	ND	11	2.4	ug/l	
100-52-7	Benzaldehyde	ND	26	1.5	ug/l	
56-55-3	Benzo(a)anthracene	24.8	5.3	1.1	ug/l	
50-32-8	Benzo(a)pyrene	18.1	5.3	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	18.1	5.3	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	9.8	5.3	1.8	ug/l	
207-08-9	Benzo(k)fluoranthene	7.0	5.3	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	11	2.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	2.4	ug/l	
92-52-4	1,1'-Biphenyl	20.7	5.3	1.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	11	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	26	1.8	ug/l	
86-74-8	Carbazole	71.8	5.3	1.2	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(D)		
Lab Sample ID:	JD54013-19	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	11	3.4	ug/l	
218-01-9	Chrysene	19.6	5.3	0.93	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	11	1.5	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	11	1.3	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	11	2.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	11	1.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.3	2.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.3	2.5	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	11	2.7	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.8	5.3	1.7	ug/l	J
132-64-9	Dibenzofuran	74.5	26	1.2	ug/l	
84-74-2	Di-n-butyl phthalate	6.8	11	2.6	ug/l	JB
117-84-0	Di-n-octyl phthalate	ND	11	1.2	ug/l	
84-66-2	Diethyl phthalate	ND	11	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	11	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	8.7	ug/l	
206-44-0	Fluoranthene	84.5	5.3	0.89	ug/l	
86-73-7	Fluorene	78.0	5.3	0.90	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	1.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	2.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	53	15	ug/l	
67-72-1	Hexachloroethane	ND	11	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	11.7	5.3	1.7	ug/l	
78-59-1	Isophorone	ND	11	1.5	ug/l	
91-57-6	2-Methylnaphthalene	21.8	5.3	1.1	ug/l	
88-74-4	2-Nitroaniline	ND	26	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	26	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	26	2.3	ug/l	
91-20-3	Naphthalene	793 [c]	11	2.4	ug/l	
98-95-3	Nitrobenzene	ND	11	3.4	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	11	2.5	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	26	1.2	ug/l	
85-01-8	Phenanthrene	191	5.3	0.92	ug/l	
129-00-0	Pyrene	57.5	5.3	1.2	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	11	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%	37%	10-71%
4165-62-2	Phenol-d5	16%	20%	10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(D)		
Lab Sample ID:	JD54013-19	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	63%	99%	22-144%
4165-60-0	Nitrobenzene-d5	72%	101%	28-118%
321-60-8	2-Fluorobiphenyl	59%	86%	34-116%
1718-51-0	Terphenyl-d14	17%	25%	10-127%

(a) Dilution required due to viscosity of the extract matrix.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-27(D)
Lab Sample ID: JD54013-19 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA97493.D	1	10/28/22 11:39	WC	n/a	n/a	GAA2659
Run #2 [a]	WW142460.D	1	10/26/22 13:59	JN	n/a	n/a	GWW5606
Run #3	AA97494.D	100	10/28/22 11:51	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6600 [b]	11	8.0	ug/l	
74-84-0	Ethane	0.24	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	2890 [c]	50	25	ug/l	

(a) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27(D)		
Lab Sample ID:	JD54013-19	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	621	100	ug/l	1	10/27/22	10/28/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53226
(2) Prep QC Batch: MP35954

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-27(D)		
Lab Sample ID:	JD54013-19	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	1660	0.000000025	mg/l	1	10/25/22 16:05	MT	SM2320 B-11
Iron, Ferric [b]	0.58	0.30	mg/l	1	10/28/22 15:21	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	4.7	2.0	mg/l	1	10/25/22 19:21	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5. Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1A227613.D	20	10/27/22 14:37	NW	n/a	n/a	V1A9741
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	200	61	ug/l	
71-43-2	Benzene	22.1	10	8.5	ug/l	
74-97-5	Bromochloromethane	ND	20	9.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane [b]	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	10.1	40	9.1	ug/l	J
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane [b]	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	ND	100	16	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
123-91-1	1,4-Dioxane [b]	ND	2500	390	ug/l	
100-41-4	Ethylbenzene	131	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	100	41	ug/l	
98-82-8	Isopropylbenzene	31.1	20	13	ug/l	
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	ND	100	12	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	37	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	17.7	20	9.8	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	ND	20	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	ND	20	10	ug/l	
	m,p-Xylene	143	20	16	ug/l	
95-47-6	o-Xylene	93.2	20	12	ug/l	
1330-20-7	Xylene (total)	236	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	111%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) (pH= 5)Sample pH did not satisfy field preservation criteria.Dilution required due to high concentraton of non-target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F210442.D	1	10/26/22 23:58	HL	10/25/22 08:50	OP42699	EF9279
Run #2	F210473.D	20	10/27/22 18:23	KH	10/25/22 08:50	OP42699	EF9280

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	3.1	5.0	2.4	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	1.0	2.0	0.89	ug/l	J
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol [a]	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol [a]	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	118 [b]	20	3.8	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	6.0	1.0	0.21	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	0.49	1.0	0.20	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	11.0	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	19.3	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	0.22	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	42.6	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	14.1	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	4.9	1.0	0.17	ug/l	
86-73-7	Fluorene	25.6	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	50.1	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	961 [b]	20	4.6	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	35.8	1.0	0.18	ug/l	
129-00-0	Pyrene	2.8	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%	17%	10-71%
4165-62-2	Phenol-d5	13%	10%	10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	46%	48%	22-144%
4165-60-0	Nitrobenzene-d5	58%	62%	28-118%
321-60-8	2-Fluorobiphenyl	48%	50%	34-116%
1718-51-0	Terphenyl-d14	21%	23%	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA97495.D	1	10/28/22 12:07	WC	n/a	n/a	GAA2659
Run #2 [b]	WW142461.D	1	10/26/22 14:24	JN	n/a	n/a	GWW5606
Run #3 [a]	AA97496.D	100	10/28/22 12:22	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6540 [c]	11	8.0	ug/l	
74-84-0	Ethane	0.25	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	1130 [d]	50	25	ug/l	

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.
(b) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(c) Result is from Run# 3
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	711	100	ug/l	1	10/26/22	10/27/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53220
(2) Prep QC Batch: MP35919

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-20(S)		
Lab Sample ID:	JD54013-20	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	690	5.0	mg/l	1	10/25/22 17:30	MT	SM2320 B-11
Iron, Ferric [b]	0.53	0.30	mg/l	1	10/27/22 10:47	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	304	2.0	mg/l	1	10/25/22 19:34	SS	EPA 300/SW846 9056A
Sulfide	2.5	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-15(D)		
Lab Sample ID:	JD54013-21	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1A227633.D	20	10/27/22 22:35	NW	n/a	n/a	V1A9741
Run #2 [a]	2U49421.D	20	10/25/22 18:24	ED	n/a	n/a	V2U2006
Run #3 [b]	1A227614.D	50	10/27/22 15:01	NW	n/a	n/a	V1A9741

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [c]	ND	200	61	ug/l	
71-43-2	Benzene	4780 [d]	25	21	ug/l	
74-97-5	Bromochloromethane	ND	20	9.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	9.0	ug/l	
75-25-2	Bromoform	ND	20	13	ug/l	
74-83-9	Bromomethane [c]	ND	40	33	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	55	ug/l	
75-15-0	Carbon disulfide	16.1	40	9.1	ug/l	J
56-23-5	Carbon tetrachloride	ND	20	11	ug/l	
108-90-7	Chlorobenzene	ND	20	11	ug/l	
75-00-3	Chloroethane [c]	ND	20	15	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
74-87-3	Chloromethane	ND	20	15	ug/l	
110-82-7	Cyclohexane	18.5	100	16	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	11	ug/l	
124-48-1	Dibromochloromethane	ND	20	11	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	9.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	11	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	11	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	12	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	12	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	9.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	8.6	ug/l	
123-91-1	1,4-Dioxane	ND [e]	2500	390	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15(D)		
Lab Sample ID:	JD54013-21	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	1360	20	12	ug/l	
76-13-1	Freon 113	ND	100	12	ug/l	
591-78-6	2-Hexanone	ND	100	41	ug/l	
98-82-8	Isopropylbenzene	61.7	20	13	ug/l	
79-20-9	Methyl Acetate	ND	100	16	ug/l	
108-87-2	Methylcyclohexane	24.1	100	12	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	37	ug/l	
75-09-2	Methylene chloride	ND	40	20	ug/l	
100-42-5	Styrene	ND	20	9.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	13	ug/l	
127-18-4	Tetrachloroethene	ND	20	11	ug/l	
108-88-3	Toluene	780	20	9.8	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	11	ug/l	
79-01-6	Trichloroethene	ND	20	11	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.0	ug/l	
75-01-4	Vinyl chloride	ND	20	10	ug/l	
	m,p-Xylene	1900	20	16	ug/l	
95-47-6	o-Xylene	1360	20	12	ug/l	
1330-20-7	Xylene (total)	3260	20	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	88%	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	114%	102%	116%	80-120%
2037-26-5	Toluene-D8	94%	100%	95%	80-120%
460-00-4	4-Bromofluorobenzene	95%	89%	97%	82-114%

(a) (pH= 3)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentrations of target and non-target compounds.
(b) (pH= 3)Sample pH did not satisfy field preservation criteria.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(d) Result is from Run# 3
(e) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-15(D)
Lab Sample ID: JD54013-21 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F210443.D	1	10/27/22 00:25	HL	10/25/22 08:50	OP42699	EF9279
Run #2	F210474.D	10	10/27/22 18:49	KH	10/25/22 08:50	OP42699	EF9280
Run #3	F210476.D	100	10/27/22 19:43	KH	10/25/22 08:50	OP42699	EF9280

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	80.4	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	35.1	2.0	0.89	ug/l	
	3&4-Methylphenol	77.6	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol [a]	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol [a]	ND	4.0	1.4	ug/l	
108-95-2	Phenol	27.9	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	302 [b]	10	1.9	ug/l	
208-96-8	Acenaphthylene	3.8	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	14.5	1.0	0.21	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	1.1	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	71.1	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15(D)		
Lab Sample ID:	JD54013-21	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	61.2	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	0.57	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	160 [b]	50	2.2	ug/l	
84-74-2	Di-n-butyl phthalate	14.0	2.0	0.50	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	10.0	1.0	0.17	ug/l	
86-73-7	Fluorene	80.4	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	400 [b]	10	2.1	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	7330 [c]	100	23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	63.4	1.0	0.18	ug/l	
129-00-0	Pyrene	6.5	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15(D)		
Lab Sample ID:	JD54013-21	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	29%	32%	0% [d]	10-71%
4165-62-2	Phenol-d5	20%	22%	0% [d]	10-58%
118-79-6	2,4,6-Tribromophenol	72%	77%	0% [d]	22-144%
4165-60-0	Nitrobenzene-d5	83%	89%	79%	28-118%
321-60-8	2-Fluorobiphenyl	57%	66%	71%	34-116%
1718-51-0	Terphenyl-d14	17%	20%	0% [d]	10-127%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.

Report of Analysis

Client Sample ID: MW-15(D)
Lab Sample ID: JD54013-21 **Date Sampled:** 10/21/22
Matrix: AQ - Ground Water **Date Received:** 10/21/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA97497.D	1	10/28/22 12:35	WC	n/a	n/a	GAA2659
Run #2 [b]	WW142464.D	5	10/26/22 15:22	JN	n/a	n/a	GWW5606
Run #3 [a]	AA97498.D	100	10/28/22 12:52	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6780 [c]	11	8.0	ug/l	
74-84-0	Ethane	0.93	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	14900 [d]	250	130	ug/l	

(a) (pH= 3)Sample pH did not satisfy field preservation criteria.
(b) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(c) Result is from Run# 3
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15(D)		
Lab Sample ID:	JD54013-21	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	674	100	ug/l	1	10/27/22	10/28/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53226
(2) Prep QC Batch: MP35954

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-15(D)		
Lab Sample ID:	JD54013-21	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	1380	25	mg/l	1	10/25/22 17:30	MT	SM2320 B-11
Iron, Ferric [b]	0.67	0.30	mg/l	1	10/28/22 15:36	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	214	2.0	mg/l	1	10/25/22 19:47	SS	EPA 300/SW846 9056A
Sulfide	3.0	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5. Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-26(S)
Lab Sample ID: JD54013-22
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 10/21/22
Date Received: 10/21/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1U49422.D	5	10/25/22 18:39	ED	n/a	n/a	V1U2006
Run #2 [b]	1A227611.D	5	10/27/22 13:49	NW	n/a	n/a	V1A9741

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [c]	ND	50	15	ug/l	
67-64-1	Acetone [d]	ND [e]	50	15	ug/l	
71-43-2	Benzene	804	2.5	2.1	ug/l	
71-43-2	Benzene	690 [e]	2.5	2.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
74-97-5	Bromochloromethane	ND [e]	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-27-4	Bromodichloromethane	ND [e]	5.0	2.3	ug/l	
75-25-2	Bromoform	ND	5.0	3.2	ug/l	
75-25-2	Bromoform	ND [e]	5.0	3.2	ug/l	
74-83-9	Bromomethane	ND	10	8.2	ug/l	
74-83-9	Bromomethane [d]	ND [e]	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
78-93-3	2-Butanone (MEK)	ND [e]	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	2.3	ug/l	
75-15-0	Carbon disulfide	3.8 [e]	10	2.3	ug/l	J
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
56-23-5	Carbon tetrachloride	ND [e]	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND [e]	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
75-00-3	Chloroethane [d]	ND [e]	5.0	3.6	ug/l	
67-66-3	Chloroform [f]	26.0	5.0	2.5	ug/l	
67-66-3	Chloroform	ND [e]	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
74-87-3	Chloromethane	ND [e]	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
110-82-7	Cyclohexane	ND [e]	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.6	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND [e]	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
124-48-1	Dibromochloromethane	ND [e]	5.0	2.8	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
106-93-4	1,2-Dibromoethane	ND [e]	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
95-50-1	1,2-Dichlorobenzene	ND [e]	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND [e]	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND [e]	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-71-8	Dichlorodifluoromethane	ND [e]	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND [e]	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
107-06-2	1,2-Dichloroethane	ND [e]	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND [e]	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.7 [e]	5.0	2.5	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.7	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND [e]	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	ND [e]	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND [e]	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND [e]	5.0	2.2	ug/l	
123-91-1	1,4-Dioxane	ND	630	97	ug/l	
123-91-1	1,4-Dioxane [d]	ND [e]	630	97	ug/l	
100-41-4	Ethylbenzene	166	5.0	3.0	ug/l	
100-41-4	Ethylbenzene	163 [e]	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
76-13-1	Freon 113	ND [e]	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	10	ug/l	
591-78-6	2-Hexanone	ND [e]	25	10	ug/l	
98-82-8	Isopropylbenzene	32.7	5.0	3.2	ug/l	
98-82-8	Isopropylbenzene	34.3 [e]	5.0	3.2	ug/l	
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
79-20-9	Methyl Acetate	ND [e]	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
108-87-2	Methylcyclohexane	ND [e]	25	3.0	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	9.9	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10.4 e	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	9.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND e	25	9.3	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
75-09-2	Methylene chloride	ND e	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
100-42-5	Styrene	ND e	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND e	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
127-18-4	Tetrachloroethene	ND e	5.0	2.8	ug/l	
108-88-3	Toluene	29.7	5.0	2.5	ug/l	
108-88-3	Toluene	27.5 e	5.0	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND e	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND e	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
71-55-6	1,1,1-Trichloroethane	ND e	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND e	5.0	2.7	ug/l	
79-01-6	Trichloroethene	ND	5.0	2.6	ug/l	
79-01-6	Trichloroethene	ND e	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-69-4	Trichlorofluoromethane	ND e	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.6	ug/l	
75-01-4	Vinyl chloride	ND e	5.0	2.6	ug/l	
	m,p-Xylene	32.0	5.0	3.9	ug/l	
	m,p-Xylene	31.6 e	5.0	3.9	ug/l	
95-47-6	o-Xylene	33.2	5.0	3.0	ug/l	
95-47-6	o-Xylene	36.6 e	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	65.2	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	68.2 e	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	93%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	113%	80-120%
2037-26-5	Toluene-D8	100%	95%	80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%	93%	82-114%

(a) Preliminary data. (pH= 6)Sample pH did not satisfy field preservation criteria. Dilutionn due to high concentration of target compound.
(b) (pH= 6)Sample pH did not satisfy field preservation criteria.
(c) Associated CCV outside of control limits high, sample was ND.
(d) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(e) Result is from Run# 2
(f) Associated CCV outside of control limits high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F210444.D	1	10/27/22 00:52	HL	10/25/22 08:50	OP42699	EF9279
Run #2	F210475.D	10	10/27/22 19:16	KH	10/25/22 08:50	OP42699	EF9280
Run #3	F210578.D	200	10/31/22 20:28	KH	10/25/22 08:50	OP42699	EF9284

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2	1020 ml	1.0 ml
Run #3	1020 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	0.80	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.87	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	443 [a]	49	24	ug/l	
51-28-5	2,4-Dinitrophenol	ND	4.9	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.9	1.3	ug/l	
95-48-7	2-Methylphenol	94.1	2.0	0.87	ug/l	
	3&4-Methylphenol	209 [a]	20	8.6	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.94	ug/l	
100-02-7	4-Nitrophenol [b]	ND	9.8	1.1	ug/l	
87-86-5	Pentachlorophenol [b]	ND	3.9	1.4	ug/l	
108-95-2	Phenol	28.7	2.0	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.9	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.91	ug/l	
83-32-9	Acenaphthene	162 [a]	9.8	1.9	ug/l	
208-96-8	Acenaphthylene	11.1	0.98	0.13	ug/l	
98-86-2	Acetophenone	ND	2.0	0.20	ug/l	
120-12-7	Anthracene	18.6	0.98	0.21	ug/l	
1912-24-9	Atrazine [b]	ND	2.0	0.44	ug/l	
100-52-7	Benzaldehyde	ND	4.9	0.28	ug/l	
56-55-3	Benzo(a)anthracene	2.9	0.98	0.20	ug/l	
50-32-8	Benzo(a)pyrene	1.7	0.98	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	1.7	0.98	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.74	0.98	0.33	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.65	0.98	0.20	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.45	ug/l	
92-52-4	1,1'-Biphenyl	67.7	0.98	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.23	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline	ND	4.9	0.33	ug/l	
86-74-8	Carbazole	126 [a]	9.8	2.2	ug/l	
105-60-2	Caprolactam	ND	2.0	0.64	ug/l	
218-01-9	Chrysene	2.4	0.98	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.24	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.98	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.98	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.98	0.32	ug/l	
132-64-9	Dibenzofuran	123 [a]	49	2.2	ug/l	
84-74-2	Di-n-butyl phthalate	11.1	2.0	0.49	ug/l	B
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.6	ug/l	
206-44-0	Fluoranthene	18.4	0.98	0.17	ug/l	
86-73-7	Fluorene	89.3	0.98	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	0.98	0.32	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.98	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.8	2.7	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.38	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.91	0.98	0.33	ug/l	J
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	411 [a]	9.8	2.1	ug/l	
88-74-4	2-Nitroaniline	ND	4.9	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.9	0.38	ug/l	
100-01-6	4-Nitroaniline	ND	4.9	0.43	ug/l	
91-20-3	Naphthalene	17300 [c]	200	45	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.63	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.22	ug/l	
85-01-8	Phenanthrene	104 [a]	9.8	1.7	ug/l	
129-00-0	Pyrene	11.1	0.98	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	74% [e]	22%	0% [d]	10-71%
4165-62-2	Phenol-d5	20%	21%	0% [d]	10-58%
118-79-6	2,4,6-Tribromophenol	76%	65%	0% [d]	22-144%
4165-60-0	Nitrobenzene-d5	84%	68%	0% [d]	28-118%
321-60-8	2-Fluorobiphenyl	57%	56%	0% [d]	34-116%
1718-51-0	Terphenyl-d14	21%	20%	0% [d]	10-127%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.
(c) Result is from Run# 3
(d) Outside control limits due to dilution.
(e) Outside of in house control limits, but within reasonable method recovery limits.

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA97499.D	1	10/28/22 13:05	WC	n/a	n/a	GAA2659
Run #2 [b]	WW142467.D	5	10/26/22 17:14	JN	n/a	n/a	GWW5606
Run #3 [a]	AA97500.D	200	10/28/22 13:18	WC	n/a	n/a	GAA2659

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	9930 [c]	22	16	ug/l	
74-84-0	Ethane	1.5	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	8310 [d]	250	130	ug/l	

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.
(b) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(c) Result is from Run# 3
(d) Result is from Run# 2

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1240	100	ug/l	1	10/27/22	10/28/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53226
(2) Prep QC Batch: MP35954

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-26(S)		
Lab Sample ID:	JD54013-22	**Date Sampled:**	10/21/22
Matrix:	AQ - Ground Water	**Date Received:**	10/21/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	1190	20	mg/l	1	10/25/22 17:30	MT	SM2320 B-11
Iron, Ferric [b]	1.2	0.30	mg/l	1	10/28/22 15:41	ND	SM3500FE B-11
Iron, Ferrous [c]	< 0.20	0.20	mg/l	1	10/22/22 15:02	JOO	SM3500FE B-11
Sulfate	4.6	2.0	mg/l	1	10/25/22 20:00	SS	EPA 300/SW846 9056A
Sulfide	6.5	2.0	mg/l	1	10/26/22 14:10	MK	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

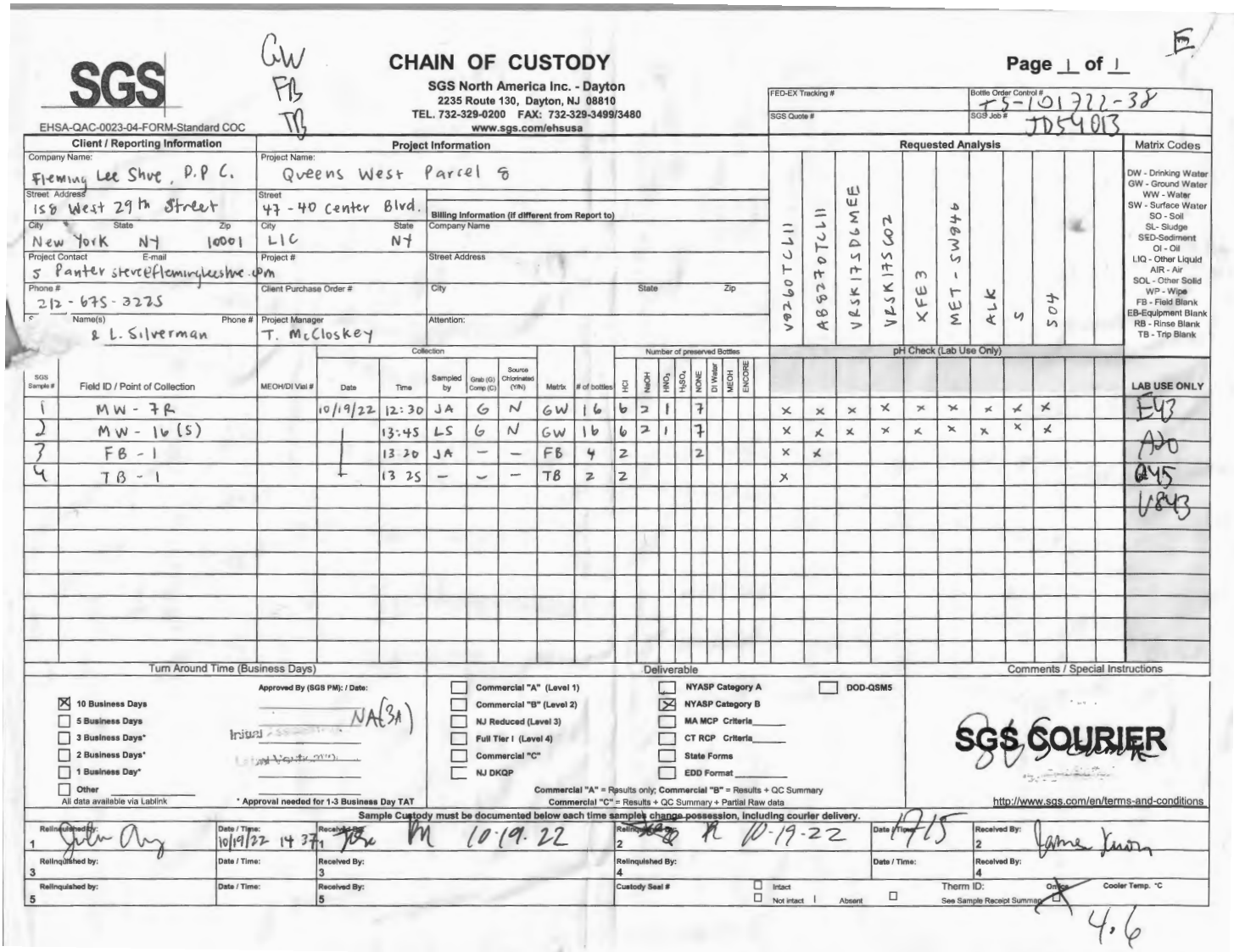
Job Number: JD54013
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
2,4-Dinitrotoluene	121-14-2	**SW846 8270E**	AQ	SGS is not certified for this parameter.[a]

(a) Analyte is in applied status with NJDEP for this reference method.

Certification exceptions shown are based on the New Jersey DEP certifications. Applicability in other states may vary. Please contact your laboratory representative if additional information is required for a specific regulatory program.



SGS

EHSA-QAC-0023-04-FORM-Standard COC

GW
FB
TB

CHAIN OF CUSTODY

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E

Page 1 of 1

FED-EX Tracking #
Bottle Order Control # FS-101722-38
SGS Quote #
SGS Job # JD54013

Client / Reporting Information

Company Name: Fleming Lee Shue, P.P.C.
Street Address: 158 West 29th Street
City: New York State: NY Zip: 10001
Project Contact: S Panter E-mail: steve@flemingleeshue.com
Phone #: 212-675-3225
Sampler(s) Name(s): & L. Silverman Phone #:

Project Information

Project Name: Queens West Parcel 8
Street: 47-40 Center Blvd.
City: LIC State: NY
Project #:
Client Purchase Order #:
Project Manager: T. McCloskey

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

V8260TCL11	ABS270TCL11	VRSK175D6MEE	VRSK175G02	XFE3	MET-SW846	ALK	S	SO4			

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-7R		10/19/22	12:30	JA	G	N	GW	16	6	2	1		7				x x x x x x x x x	E43
2	MW-16(5)			13:45	LS	G	N	GW	16	6	2	1		7				x x x x x x x x x	A20
3	FB-1			13:20	JA	—	—	FB	4	2				2				x x	Q45
4	TB-1			13:25	—	—	—	TB	2	2								x	V843

Turn Around Time (Business Days)

Approved By (SGS PM): / Date: NA(3A)

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

SGS COURIER

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished by:	Date / Time:	Received By:
1	10/19/22 14:37	10.19.22	2	10-19-22 1715	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary / Cooler Temp. °C: 4.6

Impulse

SGS

EHSA-QAC-0023-04-FORM-Standard COC

CHAIN OF CUSTODY

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www.sgs.com/ehsusa

Specimen recieving — Metal

JD54013

Page 1 of 1

E

FED-EX Tracking #	Bottle Order Control #
	TS-101722-38
SGS Quote #	SGS Job #

Client / Reporting Information	Project Information
Company Name: Fleming Lee Shue O.P.C.	Project Name: Queens West Parcel 6
Street Address: 158 West 29th Street	Street: 47-40 Center Blvd.
City: New York State: NY Zip: 10001	City: LIC State: NY
Project Contact: S. Fanter E-mail: steve@flemingleeshue.com	Project #:
Phone #: 212-675-3223	Client Purchase Order #:
Sampler(s) Name(s): J. Arey & B. Hess Phone #:	Project Manager: T. McCloskey
Billing Information (if different from Report to)	Company Name:
	Street Address:
	City: State: Zip:
	Attention:

Requested Analysis: VB2606TCL11 | ABN270TCL11 | VOSKIPSDGMEE | VOSKIPSCO2 | ALK | SO4 | XFE3 | MET-SW846 | S

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-17(S)		10/20/22	16:00	BH	G	N	GW	16	6	2	1		7				x x x x x x x x x	5 E31
2	MW-11(D)			9:00	BH	G	N	GW	16	6	2	1		7				x x x x x x x x x	6 A35
3	MW-21(S)			9:35	JA	G	N	GW	16	6	2	1		7				x x x x x x x x x	7 C36
4	MW-30(S)			10:55	JA	G	N	GW	16	6	2	1		7				x x x x x x x x x	8 V857
5	MW-30(D)			12:35	JA	G	N	GW	16	6	2	1		7				x x x x x x x x x	9 V858
6	MW-19(D)			12:20	BH	G	N	GW	16	6	2	1		7				x x x x x x x x x	10
7	MW-10			11:20	BH	G	N	GW	16	6	2	1		7				x x x x x x x x x	11
8	MW-24(D)			13:25	BH	G	N	GW	16	6	2	1		7				x x x x x x x x x	12
9	MW-9			14:15	JA	G	N	GW	16	6	2	1		7				x x x x x x x x x	13
10	MW-9 Dup			14:15	JA	G	N	GW	5	3								x x	14

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

JA
~~SDG #~~ open SDG SGS
JD54013
TC 3B

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1		10/20/22 14:56	#09
2			
3			
4			
5			

	Relinquished by:	Date / Time:	Received By:
1			
2		10/20/22 16:55	
3			
4			
5			

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: ☐ On Ice ☐ See Sample Receipt Summary

Cooler Temp. °C: 3.7 3.6 3.2

5.2 5

CHAIN OF CUSTODY

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www.sgs.com/ehsusa

SGS

EHSA-QAC-0023-04-FORM-Standard COC

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control: TS-101722-38
SGS Quote #:
SGS Job #: JD54013

Client / Reporting Information

Company Name: Fleming Lee Shue D.P.C.
Street Address: 154 W 29th Street
City: New York State: NY Zip: 10001
Project Contact: S. Turner E-mail: steve@flemingleeshue.com
Phone #: 212-695-3225
Sampler(s) Name(s): B Hess / J. Arey Phone #:

Project Information

Project Name: Queens West Parcel B
Street: 47-40 Center Blvd
City: LIC State: NY
Project #:
Client Purchase Order #:
Project Manager: T. Mechoske
Attention:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:

Requested Analysis

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
15	1 MW-24(S)		10/21/22	8:10	BH	G	N	GW	16	6	2	1		7				X	F34
16	2 MW-25(S)			12:50	JA	G	N		16	6	2	1		7				X	A35
17	3 MW-25(D)			12:30	BH	G	N		16	6	2	1		7				X	G43
18	4 MW-27(S)			11:15	BH	G	N		16	6	2	1		7				X	I873
19	5 MW-27(D)			10:00	BH	G	N		16	6	2	1		7				X	
20	6 MW-15(S)			8:55	JA	G	N		16	6	2	1		7				X	
21	7 MW-20(D)			10:05	JA	G	N		16	6	2	1		7				X	
22	8 MW-26(S)			11:20	JA	G	N		16	6	2	1		7				X	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Close SDG: JD54013
Sending two coolers with empty, leftover bottles

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	B. Hess	10/21/22 13:30			10/21/22 1931	
2						
3						
4						
5			Latest Version:			

Custody Seal #: [ ] Intact [ ] Not Intact [ ] Absent

Therm ID: See Sample Receipt Summary [X] On Ice

Cooler Temp. °C: 2.4, 3.2, 2.1 C-P

Job Change Order: JD54013

Requested Date: 11/14/2022 **Received Date:** 10/19/2022

Account Name: Fleming-Lee Shue, Inc. **Due Date:** 11/14/2022

Project Description: Queens West, Parcel 8, 47th Road, Long Island **Deliverable:** NYASPB

C/O Initiated By: THAMILVILI **PM:** TM **TAT (Days):** 7

==========

Sample #: JD54013-20 **Change:**

Dept: Revise sample ID to MW-20(S)

TAT: 7

MW-15(S)

==========

Sample #: JD54013-21 **Change:**

Dept: Revise sample ID to MS-15(D)

TAT: 7

MW-20(D)

==========

Above Changes Per: Jordan Arey **Date/Time:** 11/14/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

5.2

5

JD54013: Chain of Custody
Page 4 of 7

SGS Sample Receipt Summary

Job Number: JD54013 **Client:** FLEMING-LEE SHUE, INC. **Project:** QUEENS WEST, PARCEL 8, 47TH ROAD,

Date / Time Received: 10/21/2022 7:31:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 5: (2.4); Cooler 6: (3.2); Cooler 7: (2.1);

Cooler Temps (Corrected) °C: Cooler 5: (2.4); Cooler 6: (3.2); Cooler 7: (2.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

SGS Sample Receipt Summary

Job Number: JD54013 **Client:** FLEMING-LEE SHUE, INC. **Project:** QUEENS WEST, PARCEL 8, 47TH ROAD,

Date / Time Received: 10/19/2022 5:15:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

SGS Sample Receipt Summary

Job Number: JD54013 **Client:** FLEMING-LEE SHUE, INC. **Project:** QUEENS WEST, PARCEL 8, 47TH ROAD,

Date / Time Received: 10/20/2022 4:55:00 PM **Delivery Method:** SGS **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 2: (3.7); Cooler 3: (3.6); Cooler 4: (3.2);

Cooler Temps (Corrected) °C: Cooler 2: (3.7); Cooler 3: (3.6); Cooler 4: (3.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report



Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

SGS Job Number: JD55285

Sampling Date: 11/08/22

Report to:

Fleming-Lee Shue, Inc.

jordan@flemingleeshue.com

ATTN: Jordan Arey

Total number of pages in report: **23**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Test results relate only to samples analyzed.

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5

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Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **7**
Section 4: Sample Results **9**
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4.2: JD55285-2: TRIP BLANK 18
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5.2: Chain of Custody 22

SGS LabLink@1151967 14:26 09-Dec-2022

Sample Summary

Fleming-Lee Shue, Inc.

Job No: JD55285

Queens West, Parcel 8, 47th Road, Long Island City, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JD55285-1	11/08/22	13:05	JA	11/09/22	AQ	Ground Water	MW-26(D)
JD55285-2	11/08/22	13:05	JA	11/09/22	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Fleming-Lee Shue, Inc.	**Job No**	JD55285
Site:	Queens West, Parcel 8, 47th Road, Long Island City, NY	**Report Date**	11/30/2022 6:54:14 P

On 11/09/2022, 1 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.1 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD55285 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2A9637

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD54932-1MS, JD54932-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Ethylbenzene, o-Xylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for m,p-Xylene, Xylene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD55285-1: (pH=6)Sample pH did not satisfy field preservation criteria.Dilution required due to high concentration of target compound.
- JD55285-1 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD55285-2 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V2A9641

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD55571-5MS, JD55571-5MSD were used as the QC samples indicated.
- JD55285-1: (pH=6)Sample pH did not satisfy field preservation criteria.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP43091

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD55285-1: Dilution required due to matrix interference.
- JD55285-1 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD55285-1 for Terphenyl-d14: Outside control limits due to dilution.
- JD55285-1 for Nitrobenzene-d5: Outside control limits due to dilution.
- JD55285-1 for 2-Fluorophenol: Outside control limits due to dilution.
- JD55285-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JD55285-1 for Phenol-d5: Outside control limits due to dilution.
- JD55285-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GAA2669

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD55285-1DUP were used as the QC samples indicated.
- JD55285-1: (pH=5)Sample pH did not satisfy field preservation criteria.

Matrix: AQ **Batch ID:** GWW5610

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) LA84933-2DUP were used as the QC samples indicated.
- JD55285-1: (pH=8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP36327

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD54362-3MS, JD54362-3MSD, JD54362-3SDL were used as the QC samples for metals.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP43446

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD55302-1DUP, JD55302-1MS were used as the QC samples for Sulfate.

General Chemistry By Method SM2320 B-11

Matrix: AQ **Batch ID:** GN35542

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD55209-1DUP were used as the QC samples for Alkalinity, Total as CaCO3.
- JD55285-1 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.

General Chemistry By Method SM3500FE B-11

Matrix: AQ **Batch ID:** GN35691

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD55285-1MS, JD55285-1MSD were used as the QC samples for Iron, Ferrous.
- JD55285-1 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.

Matrix: AQ **Batch ID:** R200542

- The data for SM3500FE B-11 meets quality control requirements.
- JD55285-1 for Iron, Ferric: Calculated as: (Iron) - (Iron, Ferrous)

General Chemistry By Method SM4500S2- F-11

Matrix: AQ **Batch ID:** GN35438

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD55285
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 11/08/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD55285-1	**MW-26(D)**					
Benzene [a]		15400	250	210	ug/l	SW846 8260D
Ethylbenzene [b]		1230	50	30	ug/l	SW846 8260D
Isopropylbenzene [b]		48.7 J	50	32	ug/l	SW846 8260D
Toluene [b]		1990	50	25	ug/l	SW846 8260D
m,p-Xylene [b]		1900	50	39	ug/l	SW846 8260D
o-Xylene [b]		1440	50	30	ug/l	SW846 8260D
Xylene (total) [b]		3340	50	30	ug/l	SW846 8260D
2,4-Dimethylphenol		1880	1000	490	ug/l	SW846 8270E
2-Methylphenol [c]		316	20	8.9	ug/l	SW846 8270E
3&4-Methylphenol [c]		419	20	8.8	ug/l	SW846 8270E
Phenol [c]		29.9	20	3.9	ug/l	SW846 8270E
Acenaphthene [c]		207	10	1.9	ug/l	SW846 8270E
Acenaphthylene [c]		54.3	10	1.4	ug/l	SW846 8270E
Acetophenone [c]		12.3 J	20	2.1	ug/l	SW846 8270E
Anthracene [c]		32.9	10	2.1	ug/l	SW846 8270E
Benzo(a)anthracene [c]		9.1 J	10	2.0	ug/l	SW846 8270E
Benzo(a)pyrene [c]		4.6 J	10	2.1	ug/l	SW846 8270E
Benzo(b)fluoranthene [c]		5.0 J	10	2.1	ug/l	SW846 8270E
1,1'-Biphenyl [c]		88.8	10	2.1	ug/l	SW846 8270E
Carbazole [c]		148	10	2.3	ug/l	SW846 8270E
Chrysene [c]		6.1 J	10	1.8	ug/l	SW846 8270E
Dibenzofuran [c]		160	50	2.2	ug/l	SW846 8270E
Fluoranthene [c]		36.5	10	1.7	ug/l	SW846 8270E
Fluorene [c]		134	10	1.7	ug/l	SW846 8270E
2-Methylnaphthalene [c]		586	10	2.1	ug/l	SW846 8270E
Naphthalene		14300	200	46	ug/l	SW846 8270E
Phenanthrene [c]		160	10	1.8	ug/l	SW846 8270E
Pyrene [c]		23.0	10	2.2	ug/l	SW846 8270E
Methane [d]		3960	11	8.0	ug/l	RSK-175
Ethane [d]		1.7	0.23	0.14	ug/l	RSK-175
Carbon Dioxide [e]		7810	50	25	ug/l	RSK-175
Iron		2430	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [f]		1580	5.0		mg/l	SM2320 B-11
Iron, Ferric [g]		1.7	0.30		mg/l	SM3500FE B-11
Iron, Ferrous [h]		0.73	0.20		mg/l	SM3500FE B-11
Sulfate		254	40		mg/l	EPA 300/SW846 9056A
JD55285-2	**TRIP BLANK**					
Chloroform		9.9	1.0	0.50	ug/l	SW846 8260D

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.
(b) (pH= 6)Sample pH did not satisfy field preservation criteria. Dilution required due to high concentration of

Summary of Hits

Job Number: JD55285
Account: Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY
Collected: 11/08/22

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

target compound.
(c) Dilution required due to matrix interference.
(d) (pH= 5)Sample pH did not satisfy field preservation criteria.
(e) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(f) Sample was titrated to a final pH of 4.5.Sample received with head space.
(g) Calculated as: (Iron) - (Iron, Ferrous)
(h) Field analysis required. Received out of hold time and analyzed by request.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-26(D)		
Lab Sample ID:	JD55285-1	**Date Sampled:**	11/08/22
Matrix:	AQ - Ground Water	**Date Received:**	11/09/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A221719.D	50	11/12/22 09:30	NH	n/a	n/a	V2A9637
Run #2 [b]	2A221774.D	500	11/14/22 14:53	NH	n/a	n/a	V2A9641

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [c]	ND	500	150	ug/l	
71-43-2	Benzene	15400 [d]	250	210	ug/l	
74-97-5	Bromochloromethane	ND	50	24	ug/l	
75-27-4	Bromodichloromethane	ND	50	23	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	100	23	ug/l	
56-23-5	Carbon tetrachloride	ND	50	28	ug/l	
108-90-7	Chlorobenzene	ND	50	28	ug/l	
75-00-3	Chloroethane	ND	50	36	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane	ND	50	38	ug/l	
110-82-7	Cyclohexane	ND	250	39	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	26	ug/l	
124-48-1	Dibromochloromethane	ND	50	28	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	24	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	27	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	28	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	28	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	30	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	30	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	27	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	24	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	22	ug/l	
123-91-1	1,4-Dioxane	ND	6300	970	ug/l	
100-41-4	Ethylbenzene	1230	50	30	ug/l	
76-13-1	Freon 113	ND	250	29	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(D)		
Lab Sample ID:	JD55285-1	**Date Sampled:**	11/08/22
Matrix:	AQ - Ground Water	**Date Received:**	11/09/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	250	100	ug/l	
98-82-8	Isopropylbenzene	48.7	50	32	ug/l	J
79-20-9	Methyl Acetate	ND	250	40	ug/l	
108-87-2	Methylcyclohexane	ND	250	30	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	93	ug/l	
75-09-2	Methylene chloride	ND	100	50	ug/l	
100-42-5	Styrene	ND	50	24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	ND	50	28	ug/l	
108-88-3	Toluene	1990	50	25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	27	ug/l	
79-01-6	Trichloroethene	ND	50	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	50	26	ug/l	
	m,p-Xylene	1900	50	39	ug/l	
95-47-6	o-Xylene	1440	50	30	ug/l	
1330-20-7	Xylene (total)	3340	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	80-120%
2037-26-5	Toluene-D8	99%	99%	80-120%
460-00-4	4-Bromofluorobenzene	99%	98%	82-114%

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.Dilution required due to high concentration of target compound.
(b) (pH= 6)Sample pH did not satisfy field preservation criteria.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-26(D)
Lab Sample ID: JD55285-1 **Date Sampled:** 11/08/22
Matrix: AQ - Ground Water **Date Received:** 11/09/22
Method: SW846 8270E SW846 3510C **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F210930.D	10	11/14/22 20:20	KH	11/11/22 09:28	OP43091	EF9298
Run #2	F211159.D	200	11/22/22 11:11	CS	11/11/22 09:28	OP43091	EF9307

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	50	8.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	50	8.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	20	13	ug/l	
105-67-9	2,4-Dimethylphenol	1880 [b]	1000	490	ug/l	
51-28-5	2,4-Dinitrophenol	ND	50	16	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	50	13	ug/l	
95-48-7	2-Methylphenol	316	20	8.9	ug/l	
	3&4-Methylphenol	419	20	8.8	ug/l	
88-75-5	2-Nitrophenol	ND	50	9.6	ug/l	
100-02-7	4-Nitrophenol [c]	ND	100	12	ug/l	
87-86-5	Pentachlorophenol	ND	40	14	ug/l	
108-95-2	Phenol	29.9	20	3.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	50	15	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	50	13	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	50	9.2	ug/l	
83-32-9	Acenaphthene	207	10	1.9	ug/l	
208-96-8	Acenaphthylene	54.3	10	1.4	ug/l	
98-86-2	Acetophenone	12.3	20	2.1	ug/l	J
120-12-7	Anthracene	32.9	10	2.1	ug/l	
1912-24-9	Atrazine [c]	ND	20	4.5	ug/l	
100-52-7	Benzaldehyde	ND	50	2.9	ug/l	
56-55-3	Benzo(a)anthracene	9.1	10	2.0	ug/l	J
50-32-8	Benzo(a)pyrene	4.6	10	2.1	ug/l	J
205-99-2	Benzo(b)fluoranthene	5.0	10	2.1	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	10	3.4	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	2.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	20	4.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	20	4.6	ug/l	
92-52-4	1,1'-Biphenyl	88.8	10	2.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	20	2.4	ug/l	
106-47-8	4-Chloroaniline	ND	50	3.4	ug/l	
86-74-8	Carbazole	148	10	2.3	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(D)		
Lab Sample ID:	JD55285-1	**Date Sampled:**	11/08/22
Matrix:	AQ - Ground Water	**Date Received:**	11/09/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	20	6.5	ug/l	
218-01-9	Chrysene	6.1	10	1.8	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	20	2.8	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	20	2.5	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	20	4.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	20	3.7	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	5.5	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	4.8	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	20	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene [c]	ND	10	3.3	ug/l	
132-64-9	Dibenzofuran	160	50	2.2	ug/l	
84-74-2	Di-n-butyl phthalate	ND	20	5.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	20	2.3	ug/l	
84-66-2	Diethyl phthalate	ND	20	2.6	ug/l	
131-11-3	Dimethyl phthalate	ND	20	2.2	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	20	17	ug/l	
206-44-0	Fluoranthene	36.5	10	1.7	ug/l	
86-73-7	Fluorene	134	10	1.7	ug/l	
118-74-1	Hexachlorobenzene	ND	10	3.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	4.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	100	28	ug/l	
67-72-1	Hexachloroethane	ND	20	3.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene [c]	ND	10	3.3	ug/l	
78-59-1	Isophorone	ND	20	2.8	ug/l	
91-57-6	2-Methylnaphthalene	586	10	2.1	ug/l	
88-74-4	2-Nitroaniline	ND	50	2.8	ug/l	
99-09-2	3-Nitroaniline	ND	50	3.9	ug/l	
100-01-6	4-Nitroaniline	ND	50	4.4	ug/l	
91-20-3	Naphthalene	14300 [b]	200	46	ug/l	
98-95-3	Nitrobenzene	ND	20	6.4	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	20	4.8	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	50	2.2	ug/l	
85-01-8	Phenanthrene	160	10	1.8	ug/l	
129-00-0	Pyrene	23.0	10	2.2	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	20	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%	0% [d]	10-71%
4165-62-2	Phenol-d5	24%	0% [d]	10-58%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(D)		
Lab Sample ID:	JD55285-1	**Date Sampled:**	11/08/22
Matrix:	AQ - Ground Water	**Date Received:**	11/09/22
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	81%	0% [d]	22-144%
4165-60-0	Nitrobenzene-d5	87%	0% [d]	28-118%
321-60-8	2-Fluorobiphenyl	85%	0% [d]	34-116%
1718-51-0	Terphenyl-d14	68%	0% [d]	10-127%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits high, sample was ND.
(d) Outside control limits due to dilution.

Report of Analysis

Client Sample ID: MW-26(D)
Lab Sample ID: JD55285-1 **Date Sampled:** 11/08/22
Matrix: AQ - Ground Water **Date Received:** 11/09/22
Method: RSK-175 **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA97708.D	1	11/14/22 09:23	WC	n/a	n/a	GAA2669
Run #2 [b]	WW142514.D	1	11/14/22 10:43	WC	n/a	n/a	GWW5610
Run #3 [a]	AA97710.D	100	11/14/22 09:49	WC	n/a	n/a	GAA2669

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3960 [c]	11	8.0	ug/l	
74-84-0	Ethane	1.7	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	
124-38-9	Carbon Dioxide	7810 [d]	50	25	ug/l	

(a) (pH= 5)Sample pH did not satisfy field preservation criteria.
(b) (pH= 8)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(c) Result is from Run# 3
(d) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26(D)		
Lab Sample ID:	JD55285-1	**Date Sampled:**	11/08/22
Matrix:	AQ - Ground Water	**Date Received:**	11/09/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2430	100	ug/l	1	11/13/22	11/14/22	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA53317
(2) Prep QC Batch: MP36327

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-26(D)		
Lab Sample ID:	JD55285-1	**Date Sampled:**	11/08/22
Matrix:	AQ - Ground Water	**Date Received:**	11/09/22
		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	1580	5.0	mg/l	1	11/13/22 12:55	MK	SM2320 B-11
Iron, Ferric [b]	1.7	0.30	mg/l	1	11/16/22 16:10	JOO	SM3500FE B-11
Iron, Ferrous [c]	0.73	0.20	mg/l	1	11/16/22 16:10	JOO	SM3500FE B-11
Sulfate	254	40	mg/l	20	11/10/22 22:55	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	11/10/22 11:00	MP	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Calculated as: (Iron) - (Iron, Ferrous)
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD55285-2	**Date Sampled:**	11/08/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/09/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A221706.D	1	11/12/22 03:18	NH	n/a	n/a	V2A9637
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	9.9	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: JD55285-2 **Date Sampled:** 11/08/22
Matrix: AQ - Trip Blank Water **Date Received:** 11/09/22
Method: SW846 8260D **Percent Solids:** n/a
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

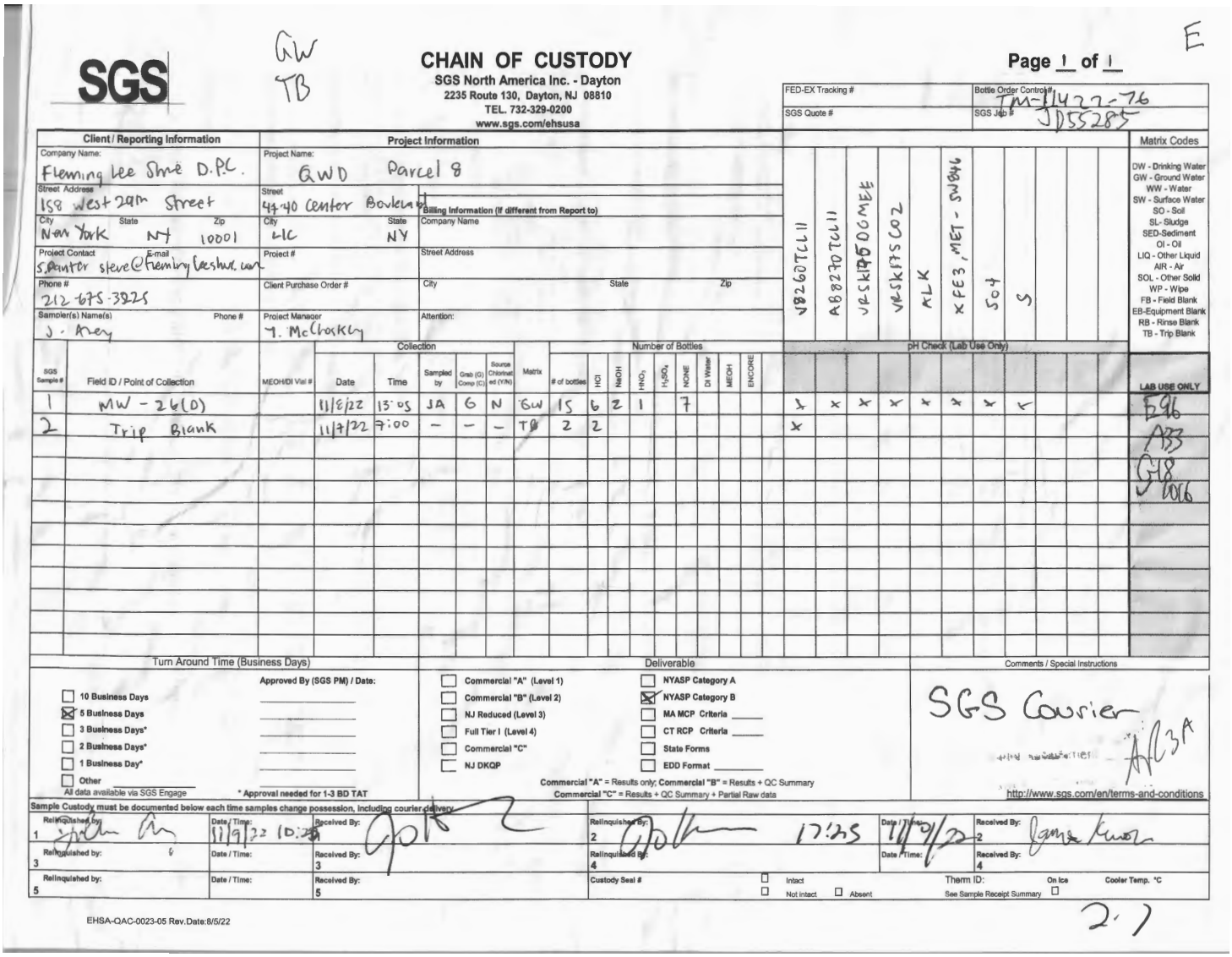
Job Number: JD55285
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
2,4-Dinitrotoluene	121-14-2	**SW846 8270E**	AQ	SGS is not certified for this parameter.[a]

(a) Analyte is in applied status with NJDEP for this reference method.

Certification exceptions shown are based on the New Jersey DEP certifications. Applicability in other states may vary. Please contact your laboratory representative if additional information is required for a specific regulatory program.



CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

GW
TB

E

Page 1 of 1

FED-EX Tracking #
Bottle Order Control # TM-J1427-76
SGS Quote #
SGS Job # JD55285

Client / Reporting Information

Company Name: Fleming Lee Shue D.P.C.
Street Address: 158 West 29th Street
City: New York State: NY Zip: 10001
Project Contact: S. Penter E-mail: steve@flemingleeshue.com
Phone #: 212-675-3225
Sampler(s) Name(s): J. Arey Phone #:

Project Information

Project Name: GWD Parcel 8
Street: 47-40 Center Boulevard
City: LIC State: NY
Project #:
Client Purchase Order #:
Project Manager: T. McCloskey
Attention:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-26(D)		11/6/22	13:05	JA	G	N	GW	15	6	2	1		7				x	E96
2	Trip Blank		11/7/22	7:00	—	—	—	TB	2	2								x	A33
																			G18
																			1016

Number of Bottles: VB26OTCL11 | AB8270TCL11 | JCSKIP6OMEE | VBSKIP3SC02 | ALK | xFE3,MET-SW846 | SO4 | S

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

SGS Courier

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by	Date / Time	Received By
1		11/9/22 10:2[illegible]	
2		17:35	11/9/22
3			
4			
5			

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: On Ice ☐ See Sample Receipt Summary ☐ Cooler Temp. °C

2.7

EHSA-QAC-0023-05 Rev.Date:8/5/22

5.2 5

JD55285: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD55285 **Client:** FLEMING-LEE SHUE, INC. **Project:** QUEENS WEST, PARCEL 8, 47TH ROAD,

Date / Time Received: 11/9/2022 5:25:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

JD55285: Chain of Custody
Page 2 of 2

APPENDIX D:
NYSDEC Corrective Measures Work Plan Report Approval Letter, February 10, 2023



J.C. Broderick & Associates, Inc.
Environmental Consulting & Testing
1775 Expressway Drive, North
Hauppauge, New York 11788

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

February 10, 2023

Oluwatobi Jaiyesimi c/o Empire State Development
Queens West Development Corporation
633 Third Ave. 37th Floor
New York, NY 10017

Re: Site Management (SM) Corrective Measures Report (PRR) Response Letter

Queens West (Hunter's Point) Parcel 8, Long Island City
Queens County, Site No.: C241087

Dear Ms. Jaiyesimi:

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health, has reviewed the Corrective Measures Work Plan Report, dated December 20, 2022.

The Department hereby accepts the Corrective Measures, groundwater monitoring well installation and groundwater sampling. It is understood that periodic groundwater monitoring will be on a quarterly basis for two years, following procedures specified in the SM Plan. When these groundwater sampling events are complete, recommendations will be considered on the sampling frequency.

A Periodic Review Report (PRR) and Certification will be due on March 10, 2023. A separate letter will provide the necessary forms.

If you have any questions, or need additional forms, please contact me at 718-482-4891 or e-mail: sondra.martinkat@dec.ny.gov.

Sincerely,

Sondra Martinkat

Sondra Martinkat
Project Manager

ec: Jane O'Connell, Cris-Sandra Maycock – NYSDEC
Scarlett McLaughlin, Steve Berninger – NYSDOH
Justin Carroll, Justin Deabler – Queens Public Library
Arnold Fleming, Steve Panter – Fleming Engineering