ATC ENGINEERING, LLP

GROUNDWATER SAMPLING RESULTS AND EVALUATION OF SUB-SLAB DEPRESSURIZATION SYSTEM

Southside Plaza
704-744 Foote Avenue
Jamestown, New York 14701

Prepared for:
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July 11, 2019

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General Information

Project Name	Southside Plaza
Project Address	704-744 Foote Avenue, Jamestown, NY 14701
Job Reference	NPKMCL1809
Date	May 22, 2019

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1.0 INTRODUCTION

ATC Engineering LLP (ATC) is pleased to submit this Groundwater Sampling Report to LNR Partners, LLC (LNR) c/o Kazmarek Mowrey Cloud Laseter LLP (KMCL) for Southside Plaza located at 704-744 Foote Avenue, Jamestown, New York (hereafter referred to as "property"). The report summarizes the groundwater sampling results for the investigation completed at the property on April 17 and 18, 2019. The property location is shown on Figure 1.

1.1 Property Location and Description

The property, Southside Plaza, is located at 704-744 Foote Avenue, Jamestown, New York and currently operates as a retail strip mall and a separate restaurant tenant space north of the strip mall. Paved parking is present to the east of the strip mall, and paved parking/access road is present west of the strip mall. The property adjoins the Southside Foote Avenue Plaza (SFAP), located at 748-780 Foote Avenue, to the south as a continuous retail strip mall. A mix of commercial and residential parcels surrounds the property.

1.2 Background

Several investigations have been completed on the property and the south adjoining SFAP parcel from 2011 to 2015 by Apex Companies, LLC (Apex). Based on historical information, Apex reported that two historical drycleaners were present at the property from 1956 to at least 1969 at tenant space 736 Foote Avenue. In addition, Apex reported that two historical drycleaners occupied the south adjacent and upgradient SFAP parcel in the 750 Foote Avenue tenant space from 1979 to 1994.

Ten (10) monitoring wells were installed on the property (MW-1 through MW-7 & MW-12 through MW-14) and four (4) monitoring wells were installed on the south adjoining parcel (MW-8 through MW-11) (Figure 2). Depth to groundwater on the property and south adjoining parcel was reported to range from 2.4 feet below ground surface (bgs) to 9.4 feet bgs. The groundwater flow direction was reported to the northeast. Groundwater analytical results indicated the detections of typical dry-cleaning solvents and their degradation products, including tetrachloroethene (PCE) and trichloroethene (TCE). The PCE concentration ranged from non-detect to 32,000 micrograms per liter (µg/L) at MW-13, and TCE was reported at non-detect to 180 µg/L at MW-13. Apex concluded that the previous soil, groundwater and soil vapor investigations completed to date suggest an off-site source of the PCE/TCE groundwater plume, specifically, the upgradient historical drycleaners on the south adjoining SFAP parcel at 750 Foot Avenue. Based on both the absence of groundwater impacts directly beneath the 736 Foote Avenue tenant space and the shape of the plume isopleths leading from the 750 Foote Avenue tenant space, the former drycleaner on the property at 736 Foote Avenue is not likely the source of the PCE/TCE plume identified on the property.

In February 2013, a sub-slab depressurization system (SSDS) was installed at the property. The SSDS was installed in the existing Tops Markets tenant space. The system was constructed with three suction pits along the southern property boundary (**Figure 1**): suction pit #1 is behind the produce cooler along the south wall, suction pit #2 is located in the southeast corner of the produce and floral prep room, and suction

pit #3 is located west of the produce cooler. The suction points are connected with 3-inch, schedule 40 polyvinyl chloride (PVC) piping, mounted against existing walls within the Tops Market and manifolded together to a horizontal PVC pipe above the ceiling trusses. Vacuum is created using a RADONAWAY GP-501 in-line exhaust fan, rated to remove 90 cubic feet per minute (CFM) from the sub-slab at a vacuum of approximately one water column inch (wci). The exhaust fan is mounted to the manifolded piping ten feet above surface grade on the outside southwest wall of the Tops Market.

Upon installation of the SSDS system, initial performance testing was conducted to verify the systems effectiveness. Four test points, labeled TP-1 through TP-4, were installed beneath concrete slab of the Tops Market north of the SSDS, as well as previously installed sub-slab vapor points, SS-1 through SS-3 and SS-6 through SS-9 (**Figure 1**). Test results ranged from 0.001 to 0.17 wci. Apex concluded these results indicated the SSDS was providing sufficient vacuum to mitigate potential vapor intrusion of dry cleaning solvent vapors at the property and on the adjoining SFAP property.

On October 1, 2018, the New York State Department of Environmental Conservation (NYSDEC) requested that the property owner collect and analyze samples of groundwater from the existing monitoring wells remaining at the property. The groundwater samples from all remaining monitoring wells were to be analyzed for Volatile Organic Compounds (VOCs) and three wells (one upgradient and two downgradient) were to be analyzed for emerging contaminants.

2.0 PHYSICAL SETTING

2.1 Topography

According to the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map, *Jamestown, NY*, *dated 2016*; the property is located approximately 1450 to 1440 feet above mean sea level (msl). The topography in the area of the property slopes gently downward to the east-northeast. A copy of the topographic map is provided in Figure 1.

2.2 Soils/Geology

According to the United States Department of Agriculture (USDA), Web Soil Survey, soils at the property are classified primarily as Fremont silt loam, 0 to 3 percent slope (FmA). The parent material for these soils is glacial till and are generally somewhat poorly drained. The soil texture is generally a silt loam to 16 inches bgs overlaying a channery silt loam to silty clay loam. Previous investigations at the property reported a brown to gray, sandy to clayey, silt overlying weathered shale at approximately 6.5 to 10 feet bgs on the west side of the property building to 14 feet bgs on the east side of the building.

The uppermost geologic formation underlying the unconsolidated material in the area of the property is the Upper Devonian Age Conneaut Group. The Conneaut Group consists primarily of sedimentary shale, siltstone and sandstones estimated at 250 to 600 feet thick.

2.3 Hydrogeology

Previous investigations conducted at the property by Apex in 2011 reported depth to groundwater across the property to range from 2.4 feet bgs in the southern portion (MW-10A) to 9.4 feet bgs in the northern portion (MW-5). Groundwater flow direction was reported to be towards the northeast.

3.0 GROUNDWATER INVESTIGATION ACTIVITIES

3.1 Preliminary Activities

Prior to mobilizing to the property, preliminary activities included: submittal of a Groundwater Investigation workplan that was approved by the NYSDEC, coordinating with building management personnel for access to the property; coordinating with laboratory for sampling containers, sample pick-up and drop-offs; and establishing adequate turn-around-times for sample results. In addition, ATC prepared a Site-Specific Health and Safety Plan (SSHASP) consistent with applicable and appropriate requirements.

3.2 Groundwater Sampling

On April 17 and 18, 2019, ATC collected groundwater samples from monitoring wells MW-1, MW-2, MW-4, MW-6, MW-7, MW-9 and MW-10A within the surrounding asphalt pavement and monitoring wells MW-12 MW-13 and MW-14 within the property building. Monitoring wells MW-3, MW-5, MW-8 and MW-11 could not be located. Each well, except for interior wells MW-12, MW-13 and MW-14, were sampled using low flow sampling procedures. Each well was gauged for depth to water and then sampled using a bladder pump, direct-read water quality meter, and dedicated high-density polyethylene tubing. Due to the small, 1-inch, diameter of the interior wells MW-12, MW-13 and MW-14, these well were purged and sampled as above except that a peristatic pump was used rather than the submersible bladder pump. During the purging of each well temperature, pH, specific conductivity, turbidity, dissolved oxygen and oxidation-reduction potential were measured. Once the readings stabilized, the sample was collected. Groundwater quality parameter measurements are present in Appendix A.

All groundwater samples were analyzed for VOCs per Environmental Protection Agency (EPA) Method 8260C. Groundwater samples collected from MW-1, MW-2 and MW-9 were additionally analyzed for 1,4-dioxane per EPA method 8270C SIMS and for perfluoroalkyl substances (PFASs) per EPA Method 537M. Samples were collected into laboratory provided containers, placed in a cooler at 4^{o} C, and shipped overnight to SGS North America Inc. (SGS) for analysis. Samples analyzed for VOCs and 1,4-dioxane were analyzed at SGS Dayton, New Jersey [New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certification number 10983]. The PFAS samples were analyzed by SGS Orlando, Florida (NYSDOH ELAP certification number 12022).

To ensure proper field decontamination procedures and sample handling, quality control samples analyzed for VOCs included a trip blank, field blank and sample duplicate for MW-4.

4.0 GROUNDWATER INVESTIGATION RESULTS

4.1 Groundwater Contours

Depth to groundwater at the property was found to range from 2.91 feet bgs at MW-12 to 6.87 feet bgs at MW-1 (Table 1). The groundwater flow direction across the property was found to be towards the northeast as previously reported (Figure 2). However, it should be noted that monitoring wells MW-12 and MW-13 were not utilized in determining groundwater contours due to the lack of top of casing elevations, nor was MW-10A used due to a possible gauging error.

4.2 Groundwater Analytical Results

The groundwater VOC analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Series (TOGS) 1.1.1 Ambient Water Quality Standard and Guidance Values (WQSGVs), dated June 1998 with the 2000 and 2004 addendums

As shown in Table 2, no VOCs were detected in the groundwater at upgradient monitoring well locations MW-4, MW-9 and MW-10A. In addition, no VOCs were detected at MW-14, which is located at the former drycleaner on the property at 736 Foote Avenue. Concentrations of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), and trans-1,2-dichloroethene (trans-DCE) were detected in the retrieved groundwater samples from monitoring wells MW-1, MW-2, MW-6, MW-7, MW-12 and MW-13 at concentrations above their respective WQSGVs of 5 µg/L. The concentrations of PCE ranged from 27,100 micrograms per liter (µg/L), immediately downgradient of the former dry cleaner at the south adjoining SFAP parcel, to 15.6 µg/L at MW-7. Trichloroethene concentrations ranged from 102 µg/L at MW-1 to non-detect at MW-7. The measured concentrations of cis-DCE ranged from 140 µg/L at MW-13 to non-detect at MW-7. Trans-DCE was only detected at MW-6 at a concentration of 5.3 µg/L.

As shown in Table 3, several per- and polyfluoroalkyl substances were detected the groundwater at monitoring well locations MW-1, MW-2 and MW-9. However, none of the concentrations, including perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), exceeded the EPA interim groundwater screening level of 40 nanograms per liter (ng/L). In addition, the detected concentrations of PFOA and PFOS did not exceed the NYSDOH recommend Maximum Contaminant Level (MCL) for drinking water of 10 ng/L. The measured concentrations of PFOA ranged from 3.06 ng/L (MW-9) to 9.53 ng/L (MW-2). The PFOS concentrations ranged from an estimated concentration of 1.31 ng/L at MW-9 to an estimated value of 1.74 ng/L at MW-1.

The concentrations of 1,4-dioxane ranged from non-detect at MW-9 and MW-2 to 0.126 µg/L at MW-1. The detected concentration is below the NYSDOH recommended MCL of 1 µg/L.

The complete laboratory analytical report is present in Appendix B.

5.0 SUB-SLAB DEPRESSURIZATION SYSTEM PERFORMANCE EVALUATION

5.1 Purpose

The purposed of the evaluation was to confirm that the sub-slab depressurization system (SSDS) installed within the Top Market retail space is currently operating, and verify the systems effectiveness beneath the building foundation along the southern boundary of the property.

5.2 Procedures

On May 2, 2019, ATC conducted an inspection and evaluation of the SSDS that included the following tasks:

- Visual inspection of the system components, including the exhaust fan, piping, manometer and labeling to ensure all components are undamaged and operating properly

- Visual inspection of the concrete floor in the area of the SSDS for significant cracks or penetrations that could result in short circuiting the system.

- Performing a smoke test at any identified cracks, floor joints, penetrations and suction points to determine potential vacuum leakage from the system.

- Verify that no air intakes have been installed within 10-feet of the SSDS exhaust point.

- Install three (3) sub-slab monitoring points (SV-01 through SV-03) beneath the concrete slab of the Tops Market to confirm the system is maintaining proper vacuum beneath the concrete slab (Figure 3). The three monitoring points were install in close proximity to the initial monitoring points installed by Apex in 2013. Monitoring point SV-01 was installed within the storage room, 20 feet from Suction Point SP-3. Monitoring Point SV-02 was installed within the floral room, 10 feet from Suction Point SP-2. Monitoring Point SV-03 was installed in the produce section of the customer area, 5 feet from Suction Point SP-1. Each monitoring point was installed beneath the concrete floor by drilling an approximately 5/8-inch diameter hole through the floor using a hammer drill. The hole was then extended to a depth of approximately 1 to 2 inches below the invert of the concrete floor. A shop vacuum was used to clean out the hole and collect concrete dust generated during the drilling activities. A brass cox-colvin vapor pin was installed within the hole, properly sealed, and connected to polyethylene tubing to allow for testing. A Dwyer 477-1-FM digital manometer was then connected to the tubing to measure the vacuum at each monitoring point.

- One (1) indoor air sample (IA-01) was collected within the Tops Market. The sample was collected using a 6-liter SUMMA canister with an 8-hour sampling period in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006. After collection, the SUMMA canister was submitted to SGS North America, Inc. [NYSDOH Environmental Laboratory Approval Program (ELAP) Certification

No. 10983]. The sample was analyzed for chlorinated hydrocarbons in accordance with EPA Method TO-15.

5.3 Results

At the time of the property visit, the system was found to be operating with the U-tube manometer at Suction Point SP-3 reading 1.7 inches water column (iwc) indicating the SSDS is extracting vapors and operating within normal range. There was no visual evidence of any significant cracks or penetrations that could result in short circuiting the system, and the smoke test at suction points SP-3 and SP-2 did not indicate vacuum leakage from the system. However, no smoke test was possible at SP-1 since this suction point is behind a produce cooler. No air intakes were observed within 10-feet of the SSDS exhaust point.

As shown in Table 4 and Figure 3, the pressure field test results indicated sufficient vacuum beneath the concrete slab along the southeastern boundary of the property, except for possibly the northeast corner of the Tops Market. In addition, no chlorinated hydrocarbons were measured above the laboratory method detection limit in the indoor air sample collected within the Tops Market tenant space. The complete laboratory analytical report is present in Appendix C.

6.0 SUMMARY AND CONCLUSIONS

On April 17 and 18, 2019, ATC gauged and collected groundwater samples from monitoring wells MW-1, MW-2, MW-4, MW-6, MW-7, MW-9 and MW-10A within the surrounding asphalt pavement and monitoring wells MW-12, MW-13 and MW-14 within the property building. Monitoring wells MW-3, MW-5, MW-8 and MW-11 could not be located. All groundwater samples were analyzed for VOCs. In addition, samples collected from MW-1, MW-2 and MW-9 were additionally analyzed for 1,4-dioxane and PFASs.

Depth to groundwater at the property was found to range from 2.91 feet bgs to 6.87 feet bgs. The groundwater flow direction at the property was determined to be towards the northeast consistent with previous investigations at the property.

Chlorinated VOCs were measured in groundwater samples retrieved from monitoring wells MW-1, MW-2, MW-6, MW-7, MW-12 and MW-13 at concentrations above their respective NYSDEC WQSGVs of 5 µg/L. No chlorinated VOCs were measured in the groundwater at the location of the former drycleaner on the property at 736 Foote Avenue. The highest concentrations were generally measured in the monitoring wells immediately downgradient of a former drycleaner at the south adjoining parcel (750 Foote Avenue), suggesting an off-site source. These results are consistent with previous investigations that suggest the source of the on-site chlorinated VOCs plume is a former drycleaner that was located on the south adjoining SFAP parcel at 750 Foote Avenue.

Based on the established groundwater flow direction and the concentration gradients between MW-12, MW-13 and MW-6, it appears very likely that the source area is within the interior of the 750 Foote Avenue tenant space. Further characterization inside the 750 Foote Avenue tenant space would be necessary to design a remedy, especially at the place or places dry cleaning machines were formerly located or where solvents were stored. Although access requirements might require temporary interruption of operations inside that tenant space, source area abatement via excavation and/or in situ treatment would likely prove feasible and, further, appears necessary to address the continued migration of the dissolved phase plume.

The SSDS within the property building appears to be operating as designed, with sufficient vacuum beneath the concrete slab except for possibly the northeast corner of the Tops Market. In addition, chlorinated hydrocarbons were not detected within the indoor air of the Tops Market tenant space suggesting the SSDS is continuing to protect workers and customers within the property building.

7.0 LIMITATIONS

Our professional services have been performed, our findings obtained and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering in the State of New York. This warranty is in lieu of all other warranties either expressed or implied. ATC is not responsible for the independent conclusions, opinions or recommendations made by others based on the results and designs presented in this report. The passage of time may result in a change in the environmental conditions at this property and surrounding properties. This report does not warrant against future operations or conditions, nor does it warrant operations or conditions present of a type or at a location not investigated.

This subsurface investigation is limited in that results were obtained only for those areas investigated. In addition, the final depths of the advanced soil borings were dictated by proposal as agreed by the client/independent client advisors and site-specific subsurface conditions. ATC does not warrant that all areas of the property are free and clear of contamination, or that all contamination has been identified by this investigation. All investigations are limited in their scopes and results, and should only be interpreted in the context from which they were designed.

No investigation can absolutely rule out the existence or degree of any hazardous materials or petroleum products at a given site. If a higher level of confidence were required than can be defined by this scope of work, then additional investigation would, of course, be required. ATC accepts no liability arising from environmental impact to, of from, the site, regardless of the date of impact occurrence or findings.

8.0 REFERENCES

New York State Department of Conservation, Technical and Operational Guidance Series 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations,* dated June 1998 with addendums dated June 2000 and 2004.

USEPA Draft Interim Recommendations to Address Groundwater Contaminated with Perfluorooctanoic Acid and Perfluorooctane Sulfonate, U.S Environmental Protection Agency, dated April 25 2019.

New York State Department of Health, Drinking Water Quality Council Recommendations for Maximum Contaminant Levels for Three Unregulated Contaminants in Drinking Water, December 18, 2018. https://www.health.ny.gov/press/releases/2018/2018-12-18_drinking_water_quality_council_recommendations.htm

New York State Department of Health, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006.

Off-Site Investigation Report, Southside Plaza, 704-744 Foote Avenue, Jamestown, New York, prepared by Apex, dated January 20, 2012.

Southside Plaza, Potential Source Area Investigation, 704-744 Foote Avenue, Jamestown, New York, prepared by Apex, dated May 4, 2015.

Sub-Slab Depressurization System Installation Report, Southside Plaza, 704-744 Foote Avenue, Jamestown, New York, prepared by Apex, dated May 1, 2013.

FIGURES

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SOURCE: U.S. Geologic Survey
Topographic Map 7.5 Minute Series,
Jamestown, NY 2016

FIGURE 1: SITE LOCATION MAP

Southside Plaza
704-744 Foote Avenue
Jamestown, New York

SITE SPECIFIC NOTES:

TOP OF CASING ELEVATIONS REFERENCED TO AN ARBITRARY ELEVATION OF 100 FEET OBTAINED FROM THE *OFFSITE INVESTIGATION REPORT* , PREPARED BY APEX, DATED JANUARY 20, 2012 (GROUNDWATER ELEVATIONS REFERENCE TO THIS ARBITRARY BENCHMARK).

MONITORING WELL MW-10A NOT USED TO DEVELOP GROUNDWATER CONTOURS DUE TO POSSIBLE ERROR IN DEPTH TO GROUNDWATER MEASUREMENT.

LEGEND

SYMBOL	DESCRIPTION
	MONITORING WELL LOCATION
	MONITORING WELL NOT LOCATED
	APPROXIMATE PROPERTY BOUNDARY
	GROUNDWATER CONTOUR LINE AND RELATIVE ELEVATION

MW-1		MONITORING WELL ID
GW ELEV.	91.65	RELATIVE GROUNDWATER ELEVATION (FEET)
CIS-DCE	25	CIS-1,2-DICHLOROETHENE (UG/L)
TRANS-DCE	ND	TRANS-1,2-DICHLOROETHENE (UG/L)
PCE	3050	TETRACHLOROETHENE (UG/L)
TCE	102	TRICHLOROETHENE (UG/L)

ND - NON-DETECT

NA - NOT AVAILABLE

"GRAY SHADING" - CONCENTRATION EXCEEDS NYS GROUNDWATER STANDARD AND GUIDANCE VALUE OF 5 UG/L

0 100 200

SCALE IN FEET

NO.	DESCRIPTION	DATE	APP.

DRAWN BY: E. MILKIS
REVISED BY: J. MYERS
DESIGNED BY: J. MYERS
CHECKED BY: J. MYERS

CLIENT: LNR PARTNERS, LLC
C/O KAZMAREK MOWERY CLOUD LASETER LLP
1230 PEACHTREE STREET NE, SUITE 900
ATLANTA, GA 30309

LOCATION: *SOUTHSIDE PLAZA*
704-744 FOOTE AVENUE
JAMESTOWN, NEW YORK

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

DRAWING TITLE: GROUNDWATER ELEVATIONS AND CONTOURS, AND CHLORINATED HYDROCARBON GROUNDWATER CONCENTRATIONS. APRIL 17-18, 2019

SCALE: SEE GRAPH SCALE

ATC PROJECT No. NPKMCL1809

DRAWING NO. FIG-2
SHT. 01 OF XX
DATE: 05.17.2019
REVISION No.

FILE: M:\ACADD-WORKS\ENVIRONMENTAL INVESTIGATION\2019\NPKMCL1809-Southside Plaza

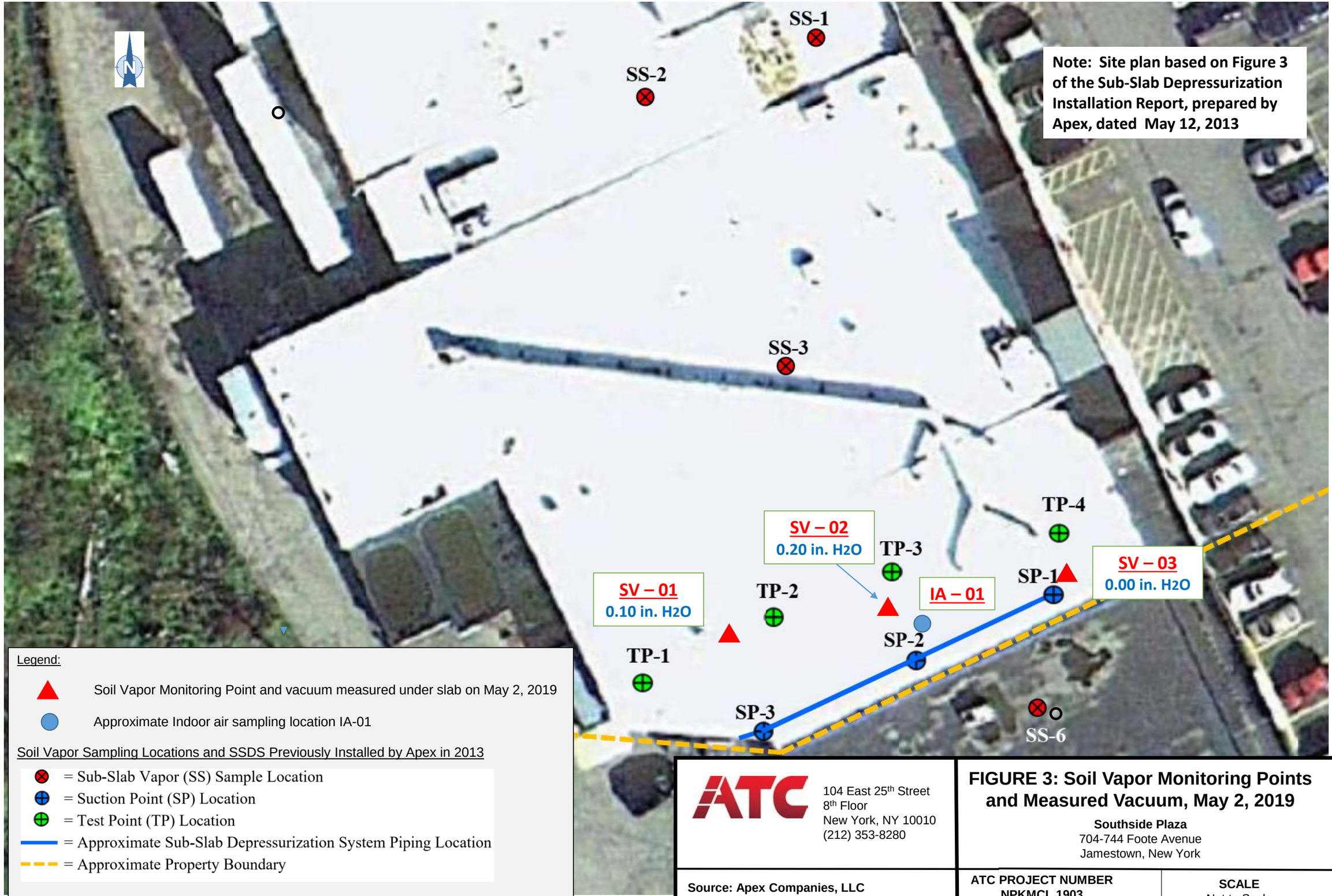

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FIGURE 3: Soil Vapor Monitoring Points and Measured Vacuum, May 2, 2019

Southside Plaza
704-744 Foote Avenue
Jamestown, New York

Source: Apex Companies, LLC

ATC PROJECT NUMBER
NPKMCL 1903

SCALE
Not to Scale

TABLES

TABLE 1
DEPTH TO GROUNDWATER AND RELATIVE GROUNDWATER ELEVATIONS
APRIL 17 and 18, 2019

SOUTHSIDE PLAZA
704-744 FOOTE AVENUE
JAMESTOWN, NEW YORK

WELL LOCATION	Depth to Water (feet)	Top of Casing Elevation ** (feet)	Groundwater Elevation (feet0
MW - 1	6.87	98.52	91.65
MW - 2	4.78	99.14	94.36
MW - 4	5.10	105.72	100.62
MW - 6	3.83	100.01	96.18
MW - 7	4.66	99.69	95.03
MW - 9	3.30	103.97	100.67
MW - 10A	3.52	100.98	97.46
MW - 12	2.91	--	NA
MW - 13	4.17	--	NA
MW -14	5.12	--	NA

** Top of casing elevations obtained from *Offsite Investigation Report* , prepared by APEX, dated January 20, 2012 (Elevations measued in reference to an arbitrary elevation of 100 feet above meas sea level)

TABLE 2
SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) AND 1,4-DIOXANE MEASURED IN COLLECTED GROUNDWATER SAMPLES
April 17 and 18, 2019

SOUTHSIDE PLAZA
704 FOOTE AVENUE
JAMESTOWN, NEW YORK

Sample ID	NY TOGS Class GA Standards	MW - 1	MW - 2	MW - 4	MW-DUP (MW - 4)	MW - 6	MW - 7	MW - 9	MW - 10A
Lab Sample Number		JC86738-1	JC86738-2	JC86738-3	JC86738-11	JC86738-4	JC86738-5	JC86738-6	JC86738-7
Sampling Date		4/17/2019	4/18/2019	4/17/2019	4/17/2019	4/18/2019	4/17/2019	4/17/2019	4/17/2019
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Volatile Organic Compounds (VOCs)									
Bromodichloromethane	NS	ND (4.8)	ND (1.9)	ND (0.48)	ND (0.58)	ND (1.9)	ND (0.48)	ND (0.48)	ND (0.48)
Chloroform	7	ND (5.0)	ND (2.0)	ND (0.50)	ND (0.50)	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)
cis-1,2-Dichloroethene	5	**25**	**4.4**	ND (0.51)	ND (0.51)	**56.3**	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	ND (5.4)	ND (2.1)	ND (0.54)	ND (0.54)	**5.3**	ND (0.54)	ND (0.54)	ND (0.54)
Tetrachloroethene	5	**3050**	**1420**	ND (0.90)	ND (0.90)	**1620**	**15.6**	ND (0.90)	ND (0.90)
Trichloroethene	5	**102**	**56.9**	ND (0.53)	ND (0.53)	**24.4**	ND (0.53)	ND (0.53)	ND (0.53)
Vinyl chloride	2	ND (7.9)	ND (3.1)	ND (0.79)	ND (0.79)	ND (3.1)	ND (0.79)	ND (0.79)	ND (0.79)
Semi-Volatile Organic Compounds (SVOCs)									
1,4-Dioxane	NS	**0.126** [b]	ND (0.048)	NA	NA	NA	NA	ND (0.049) [b]	NA

Qualifiers

NS - No Standard NA - Not Analyzed

µg/L - micrograms per liter

ND - The compound was not detected at the indicated concentration.

* - New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series 1.1.1 (TOGS) Ambient Water Quality Standard and Guidance Value, June 1998 with April 2000 and June 2004 Addendums

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

(b) - This compound is outside the control limits biased low in the associated blank spike. Results confirmed by reextrtaction outside holding time.

Bold = Concentration detected above the method detection limit

Shading = Concentration exceeds NYSDEC TOGS Ambient Water Quality Standard and Guidance Values (WQSGV)

TABLE 2
SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) AND 1,4-DIOXANE MEASURED IN COLLECTED GROUNDWATER SAMPLES
April 17 and 18, 2019

SOUTHSIDE PLAZA
704 FOOTE AVENUE
JAMESTOWN, NEW YORK

Sample ID	NY TOGS Class GA Standards	MW - 12	MW - 13	MW - 14	FIELD BLANK	TRIP BLANK
Lab Sample Number		JC86738-8	JC86738-9	JC86738-10	JC86738-12	JC86738-13
Sampling Date		1/16/1900	4/18/2019	4/18/2019	4/17/2019	4/17/2019
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Volatile Organic Compounds (VOCs)						
Bromodichloromethane	NS	ND (0.58)	ND (29)	ND (0.58)	**1**	ND (0.58)
Chloroform	7	ND (0.50)	ND (25)	ND (0.50)	**4.9**	ND (0.50)
cis-1,2-Dichloroethene	5	**0.58 J**	**140**	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	ND (0.54)	ND (27)	ND (0.54)	ND (0.54)	ND (0.54)
Tetrachloroethene	5	**621**	**27100**	ND (0.90)	ND (0.90)	ND (0.90)
Trichloroethene	5	**1.0**	**88.7**	ND (0.53)	ND (0.53)	ND (0.53)
Vinyl chloride	2	ND (0.79)	ND (39)	ND (0.79)	ND (0.79)	ND (0.79)
Semi-Volatile Organic Compounds (SVOCs)						
1,4-Dioxane	NS	NA	NA	NA	NA	NA

Qualifiers

NS - No Standard NA - Not Analyzed

µg/L - micrograms per liter

ND - The compound was not detected at the indicated concentration.

* - New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series 1.1.1 (TOGS) Ambient Water Quality Standard and Guidance Value, June 1998 with April 2000 and June 2004 Addendums

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

(b) - This compound is outside the control limits biased low in the associated blank spike. Results confirmed by reextrtaction outside holding time.

Bold = Concentration detected above the method detection limit

Shading = Concentration exceeds NYSDEC TOGS Ambient Water Quality Standard and Guidance Values (WQSGV)

TABLE 3
PER- AND POLYFLUOROALKYL SUBSTANCES DETECTED IN COLLECTED GROUNDWATER SAMPLES
April 17 and 18, 2019

SOUTHSIDE PLAZA
704 FOOTE AVENUE
JAMESTOWN, NEW YORK

Sample ID	PFAS Family	MW - 1	MW - 2	MW - 9
Lab Sample Number		FA63499-1	FA63499-2	FA63499-3
Sampling Date		4/17/2019	4/18/2019	4/17/2019
Units		ng/L	ng/L	ng/L
Semi-Volatile Organic Compounds (SVOCs)				
Perfluorobutanoic acid	Perfluoroalkyl Carboxylates	**8.77 B**	**10.0 B**	**5.90 JB**
Perfluoropentanoic acid		**15.1**	**11.6**	ND (1.8)
Perfluorohexanoic acid		**7.85**	**8**	ND (1.2)
Perfluoroheptanoic acid		**3.77**	**4.76**	ND (1.2)
Perfluorooctanoic acid		**5.43**	**9.53**	**3.06**
Perfluorononanoic acid		ND (1.0)	ND (1.0)	ND (1.2)
Perfluorodecanoic acid		ND (1.0)	ND (1.0)	ND (1.2)
Perfluoroundecanoic acid		ND (1.0)	ND (1.0)	ND (1.2)
Perfluorododecanoic acid		ND (1.5)	ND (1.5)	ND (1.8)
Perfluorotridecanoic acid		ND (1.0)	ND (1.0)	ND (1.2)
Perfluorotetradecanoic acid		ND (1.0)	ND (1.0)	ND (1.2)
Perfluorobutanesulfonic acid	Perfluoroalkyl Sufonates	**1.74 J**	**1.51 J**	**1.31 J**
Perfluorohexanesulfonic acid		**2.12**	**2.08**	ND (1.2)
Perfluoroheptanesulfonic acid		ND (1.0)	ND (1.0)	ND (1.2)
Perfluorooctanesulfonic acid		ND (1.5)	**5.97**	**2.39 J**
Perfluorodecanesulfonic acid		ND (1.0)	ND (1.0)	ND (1.2)
PFOSA	Perfluoroctane-sulfonamides	ND (1.0)	ND (1.0)	ND (1.2)
MeFOSAA	Perfluoroctane-sulfonamidoacetic acids	ND (4.0)	ND (4.0)	ND (4.8)
EtFOSAA		ND (4.0)	ND (4.0)	ND (4.8)
6:2 Fluorotelomer sulfonate	Fluroinated Telomer Sulfonates	ND (2.0)	ND (2.0)	**6.18 J**
8:2 Fluorotelomer sulfonate		ND (2.0)	ND (2.0)	ND (2.4)

Qualifiers

ng/L - nanograms per liter

ND - The compound was not detected at the indicated concentration.

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

B - Analyte found in associated method blank

Bold = Concentration detected above the method detection limit

TABLE 4
SUB-SLAB DEPRESSURIZATION SYSTEM VACUUM READINGS BENEATH CONCRETE SLAB OF TOPS MARKET
MAY 2, 2019

SOUTHSIDE PLAZA
704-744 FOOTE AVENUE
JAMESTOWN, NEW YORK

Soil Vapor Monitoring Point	Measured Vacuum (inches water column)
SV-01	0.10
SV-02	0.20
SV-03	0.00

APPENDIX A

FIELD WATER QUALITY PARAMETER MEASUREMENTS

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19
Site Name:
Location ID:
Pump Style:
Sample ID: MW-1 (12:45)
Sampler(s) JS
Parameter(s) Types Collected: VOC, EMERGING CONTAMINANTS, PFAS

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
11:20			6.87							
11:30	150			10.82	6.97	2.11	317	2.72	16.7	
11:35				10.45	6.96	2.21	210	1.69	-2.7	
11:40				10.38	6.95	2.25	111	1.15	-15.4	
11:45				10.34	6.92	2.38	75	1.39	-16.5	
11:55				10.37	6.92	2.45	43	1.09	-18.9	
12:10				10.34	6.90	2.54	17	.91	-19.7	
12:25				10:31	6.89	2.49	10	.89	-18.9	
12:35	↓			10:29	6.88	2.47	9	.85	-18.7	
12:45			↓	10:28	6.87	2.48	8	.87	-18.6	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/18/19

Site Name:

Location ID:

Pump Style:

Sample ID: MW.2 (5:00)

Sampler(s) JS

Parameter(s) Types Collected: VOC, EMERGING CONTAMINANTS PFSAS

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			4.78							
3:25	150		↓	10:13	6.93	1.49	360	7.44	-29.4	
3:35				10:00	6.96	1.41	211	6.56	-30.6	
3:50				10:07	6.99	1.11	146	4.79	-32.8	
4:10				10.17	7.04	1.02	72	4.37	-33.1	
4:20				10:26	7.10	.965	21	4.51	-31.9	
4:30				10:33	7.13	.953	10	4.93	-29.5	
4:45				10:31	7.13	.952	10	5.15	-28.9	
5:00			↓	10:31	7.14	.952	8	5.19	-27.6	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19
Site Name:
Location ID:
Pump Style:
Sample ID: MW-4 (DUP)
Sampler(s) JS
Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
2:40			5.10							
2:50	150		↓	8.30	6.41	.228	317	3.50	32.6	
3:05				7.20	6.37	.211	211	2.41	25.5	
3:20				6.90	6.43	.208	157	2.09	26.3	
3:40				7.13	6.49	.212	83	2.26	28.1	
3:50				6.93	6.41	.209	53	1.89	36.4	
4:00				6.93	6.44	.207	23	1.77	36.7	
4:15				6.92	6.43	.206	10	1.67	36.1	
4:35				6.92	6.44	.200	10	1.66	36.4	
4:50			✓	6.91	6.43	.201	10	1.65	36.6	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/18/19
Site Name:
Location ID:
Pump Style:
Sample ID: MW-6 (5100)
Sampler(s) JS
Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			3.83							
1:20	200 / min			9.75	7.19	1.54	117	1.61	-1.9	
1:30				9.65	7.17	1.463	101	.97	-8.8	
1:45				9.60	7.22	1.27	69	.73	-11.9	
2:00				9.61	7.15	1.24	32	.75	-11.8	
2:15				9.62	7.25	1.19	19	.71	-15.0	
2:30				9.65	7.24	1.16	9	.71	-15.8	
2:45				9.62	7.24	1.14	8	.66	-16.8	
3:00	✓		✓	9.68	7.27	1.13	9	.66	-18.2	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19
Site Name:
Location ID:
Pump Style: MW-7 2:15
Sample ID:
Sampler(s) JS
Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
1:05			4.66							
1:15	200		"	10.55	6.98	.959	290	5.73	29.6	
1:20	"		"	9.57	6.76	.676	130	4.22	-5.2	
1:25	"		"	8.98	6.75	.655	101	3.57	4.6	
1:35	"		"	8.90	6.69	.674	62	2.68	9.5	
1:50	"		"	8.89	6.58	.718	32	1.98	13.2	
2:00	"	✓	"	9.09	6.51	.713	9	1.66	14.7	
2:10	"		"	9.10	6.50	.707	9	1.57	14.9	
2:15	↓		↓	9.16	6.53	.706	9	1.56	15.3	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19

Site Name:

Location ID: MW-9 (9:30)

Pump Style:

Sample ID: _____

Sampler(s) JS

Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
8:40			3.70							
8:40	100		3.3	8.46	7.30	0.186	127	14.10	22.0	
8:50	100		3.3	7.84	7.07	0.192	67	13.93	19.5	
9:00	100		3.2	7.81	7.07	0.193	51	13.52	25.7	
9:10	100		3.2	7.83	7.07	0.193	31	13.17	21.2	
9:20	100		3.2	7.80	7.05	0.192	10	13.14	26.0	
9:25	100		3.2	7.77	7.05	0.193	9	13.1	28.6	
9:30	100		3.3	7.76	6.99	0.180	9	14.9	29.1	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19

Site Name:

Location ID:

Pump Style:

Sample ID: MW-10A 10:55

Sampler(s) JS

Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
9:40			3.52							
9:45	150		[illegible]	8.83	7.64	.619	210	11.61	44.1	
9:50	↓		↓	7.92	7.61	.314	110	11.75	47.1	
9:55				7.87	7.60	.184	60	11.71	48.7	
10:05				7.79	7.57	.183	37	11.69	48.6	
10:15				7.78	7.55	.180	17	11.70	49.0	
10:30				7.76	7.56	.181	9	11.79	49.1	
10:40				7.77	7.57	.183	9	11.71	49.0	
10:55	↓		↓	7.73	7.53	.182	9	11.14	48.1	

Additional Comments:

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/18/19
Site Name:
Location ID:
Pump Style:
Sample ID: MW-12 (1:00)
Sampler(s) JS
Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			2.91							
12:00				15.27	8.42	.561	300	11.98	-12.4	
12:10				15.14	7.43	.691	325	7.64	-5.0	
12:20				15.13	7.47	.694	2000	7.52	-4.7	
12:30				15.07	7.42	.699	147	5.11	-7.0	
12:40				15.17	7.41	.700	27	5.03	-8.1	
12:50				15.04	7.43	.689	27	4.93	-8.7	
1:00				15:10	7.46	.671	26	4.80	-9.2	

Additional Comments:

USED PERISTALTIC PUMP AND RUBBER TUBING (1 IN WELL) BASED ON WATER WELL VOLUME, TURBITY WAS NOT ABLE TO BE REDUCED

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/18/19
Site Name:
Location ID:
Pump Style:
Sample ID: MW-13 (11-40)
Sampler(s) JS
Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			4.17							
10:30	100		↓	15.93	7.53	.955	210	4.09	-4.8	
10:40	↓			15.87	7.36	.950	115	2.36	-7.5	
10:50				15.86	7.34	.949	75	2.29	-8.75	
11:00				15.85	7.32	.942	45	1.92	-10.5	
11:20				15.84	7.33	.941	42	1.82	-10.0	
11:30				15.81	7.30	.931	39	1.78	-11.0	
11:40	↓		↓	15.70	7.29	.930	37	1.77	-11.2	

Additional Comments:

(A) PERISTALTIC PUMP AND TUBING (1 IN WELL)

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/18/19
Site Name:
Location ID:
Pump Style:
Sample ID: MW-14 (10:00)
Sampler(s) J.S
Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	pHx	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
Stabilization Requirements				±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			5.12							
9:00			|	18.28	7.66	.890	180	9.81	-34.6	
9:10			|	18.29	7.05	.957	110	5.50	-32.3	
9:20			|	18.28	6.71	.874	60	4.29	-14	
9:35			|	18.27	6.72	.789	47	3.29	-12.4	
9:45			|	18.01	6.67	.757	33	2.11	-11.4	
9:55			|	18.05	6.68	.753	32	2.05	-11.1	
10:00			|	17.89	6.66	.750	29	2.01	-10.0	
			↓							

Additional Comments:

PERISTALTIC PUMP AND TUBING (1 IN WELL)

APPENDIX B

GROUNDWATER SAMPLING LABORATORY REPORTS

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

SGS Job Number: JC86738

Sampling Dates: 04/17/19 - 04/18/19

Report to:

ATC Group Services LLC.

jed.myers@atcassociates.com

ATTN: Jed Myers

Total number of pages in report: 62

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.

Brian McGuire
General Manager

Client Service contact: Kelly Ramos 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, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Sections: 1 2 3 4

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Sample Summary

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Job No: JC86738

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC86738-1	04/17/19	12:45	JS	04/20/19	AQ	Ground Water	MW-1
JC86738-2	04/18/19	15:00	JS	04/20/19	AQ	Ground Water	MW-2
JC86738-3	04/17/19	16:50	JS	04/20/19	AQ	Ground Water	MW-4
JC86738-4	04/18/19	15:00	JS	04/20/19	AQ	Ground Water	MW-6
JC86738-5	04/17/19	14:15	JS	04/20/19	AQ	Ground Water	MW-7
JC86738-6	04/17/19	09:30	JS	04/20/19	AQ	Ground Water	MW-9
JC86738-7	04/17/19	10:55	JS	04/20/19	AQ	Ground Water	MW-10A
JC86738-8	04/18/19	13:00	JS	04/20/19	AQ	Ground Water	MW-12
JC86738-9	04/18/19	11:40	JS	04/20/19	AQ	Ground Water	MW-13
JC86738-10	04/18/19	10:00	JS	04/20/19	AQ	Ground Water	MW-14
JC86738-11	04/17/19	17:00	JS	04/20/19	AQ	Ground Water	MW-DUP
JC86738-12	04/18/19	17:00	JS	04/20/19	AQ	Field Blank Water	FIELD BLANK
JC86738-13	04/18/19	17:00	JS	04/20/19	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: JC86738
Account: ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Collected: 04/17/19 thru 04/18/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC86738-1	**MW-1**					
cis-1,2-Dichloroethene [a]		25.0	10	5.1	ug/l	SW846 8260C
Tetrachloroethene		3050	50	45	ug/l	SW846 8260C
Trichloroethene [a]		102	10	5.3	ug/l	SW846 8260C
1,4-Dioxane [b]		0.126	0.095	0.046	ug/l	SW846 8270D BY SIM
JC86738-2	**MW-2**					
cis-1,2-Dichloroethene [a]		4.4	4.0	2.0	ug/l	SW846 8260C
Tetrachloroethene		1420	10	9.0	ug/l	SW846 8260C
Trichloroethene [a]		56.9	4.0	2.1	ug/l	SW846 8260C
JC86738-3	**MW-4**					
No hits reported in this sample.						
JC86738-4	**MW-6**					
cis-1,2-Dichloroethene [a]		56.3	4.0	2.0	ug/l	SW846 8260C
trans-1,2-Dichloroethene [a]		5.3	4.0	2.1	ug/l	SW846 8260C
Tetrachloroethene		1620	10	9.0	ug/l	SW846 8260C
Trichloroethene [a]		24.4	4.0	2.1	ug/l	SW846 8260C
JC86738-5	**MW-7**					
Tetrachloroethene		15.6	1.0	0.90	ug/l	SW846 8260C
JC86738-6	**MW-9**					
No hits reported in this sample.						
JC86738-7	**MW-10A**					
No hits reported in this sample.						
JC86738-8	**MW-12**					
cis-1,2-Dichloroethene [c]		0.58 J	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		621	10	9.0	ug/l	SW846 8260C
Trichloroethene [c]		1.0	1.0	0.53	ug/l	SW846 8260C
JC86738-9	**MW-13**					
cis-1,2-Dichloroethene [a]		140	50	25	ug/l	SW846 8260C

Summary of Hits

Job Number: JC86738
Account: ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Collected: 04/17/19 thru 04/18/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tetrachloroethene		27100	200	180	ug/l	SW846 8260C
Trichloroethene [a]		88.7	50	26	ug/l	SW846 8260C

JC86738-10 MW-14

No hits reported in this sample.

JC86738-11 MW-DUP

No hits reported in this sample.

JC86738-12 FIELD BLANK

Bromodichloromethane	1.0	1.0	0.58	ug/l	SW846 8260C
Chloroform	4.9	1.0	0.50	ug/l	SW846 8260C

JC86738-13 TRIP BLANK

No hits reported in this sample.

(a) Diluted due to high concentration of target compound.
(b) This compound is outside the control limits biased low in the associated BS. The results were confirmed by reextraction outside the holding time.
(c) Diluted due to high concentration of non-target compound.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC86738-1	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D146900.D	10	04/22/19 22:22	PR	n/a	n/a	V3D6280
Run #2	3D146901.D	50	04/22/19 22:48	PR	n/a	n/a	V3D6280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	60	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.8	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane [b]	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	69	ug/l	
75-15-0	Carbon disulfide	ND	20	9.5	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	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	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	14	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	25.0	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	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	19	ug/l	
591-78-6	2-Hexanone	ND	50	20	ug/l	
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	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-1		
Lab Sample ID:	JC86738-1	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	7.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	3050 [c]	50	45	ug/l	
108-88-3	Toluene	ND	10	5.3	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	102	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	8.4	ug/l	
75-01-4	Vinyl chloride	ND	10	7.9	ug/l	
	m,p-Xylene	ND	10	7.8	ug/l	
95-47-6	o-Xylene	ND	10	5.9	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	81-124%
2037-26-5	Toluene-D8	101%	101%	80-120%
460-00-4	4-Bromofluorobenzene	97%	98%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.47	100	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Diluted due to high concentration of target compound.
(b) Associated CCV outside of control limits low.
(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-1		
Lab Sample ID:	JC86738-1	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P76581.D	1	04/24/19 17:58	CC	04/23/19 14:40	OP19908A	E3P3587
Run #2 [a]	4M83492.D	1	04/26/19 06:20	CS	04/25/19 16:35	OP19977A	E4M3890

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1010 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [b]	0.126	0.095	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%	89%	29-124%
321-60-8	2-Fluorobiphenyl	56%	79%	23-122%
1718-51-0	Terphenyl-d14	88%	102%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) This compound is outside the control limits biased low in the associated BS. The results were confirmed by reextraction outside the holding time.

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-1		
Lab Sample ID:	JC86738-1	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32140.D	1	04/25/19 17:20	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.021	0.0089	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.021	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	149% [a]		20-144%
3017-95-6	2-Bromo-1-chloropropane	131%		20-144%

(a) Outside control limits due to matrix interference.

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-2		
Lab Sample ID:	JC86738-2	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L311347.D	4	04/23/19 12:26	JP	n/a	n/a	VL9039
Run #2	3D146913.D	10	04/23/19 03:50	PR	n/a	n/a	V3D6280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	24	ug/l	
71-43-2	Benzene	ND	2.0	1.7	ug/l	
74-97-5	Bromochloromethane	ND	4.0	1.9	ug/l	
75-27-4	Bromodichloromethane	ND	4.0	2.3	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	27	ug/l	
75-15-0	Carbon disulfide	ND	8.0	3.8	ug/l	
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	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	
124-48-1	Dibromochloromethane	ND	4.0	2.2	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	5.4	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	4.4	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	
100-41-4	Ethylbenzene	ND	4.0	2.4	ug/l	
76-13-1	Freon 113	ND	20	7.8	ug/l	
591-78-6	2-Hexanone	ND	20	8.1	ug/l	
98-82-8	Isopropylbenzene	ND	4.0	2.6	ug/l	
79-20-9	Methyl Acetate	ND	20	3.2	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-2		
Lab Sample ID:	JC86738-2	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	2.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	2.6	ug/l	
127-18-4	Tetrachloroethene	1420 [c]	10	9.0	ug/l	
108-88-3	Toluene	ND	4.0	2.1	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	56.9	4.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	3.3	ug/l	
75-01-4	Vinyl chloride	ND	4.0	3.1	ug/l	
	m,p-Xylene	ND	4.0	3.1	ug/l	
95-47-6	o-Xylene	ND	4.0	2.4	ug/l	
1330-20-7	Xylene (total)	ND	4.0	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	95%	81-124%
2037-26-5	Toluene-D8	107%	101%	80-120%
460-00-4	4-Bromofluorobenzene	96%	96%	80-120%

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

(a) Diluted due to high concentration of target compound.
(b) Associated CCV outside of control limits low.
(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-2		
Lab Sample ID:	JC86738-2	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M83423.D	1	04/24/19 13:37	CC	04/23/19 17:00	OP19939A	E4M3888
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.098	0.048	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		29-124%
321-60-8	2-Fluorobiphenyl	73%		23-122%
1718-51-0	Terphenyl-d14	91%		22-130%

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-2		
Lab Sample ID:	JC86738-2	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32141.D	1	04/25/19 17:39	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.021	0.0089	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.021	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	141%		20-144%
3017-95-6	2-Bromo-1-chloropropane	160% [a]		20-144%

(a) Outside control limits due to matrix interference.

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-4		
Lab Sample ID:	JC86738-3	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146910.D	1	04/23/19 02:34	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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-4		
Lab Sample ID:	JC86738-3	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	96%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.48	27	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) 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-4		
Lab Sample ID:	JC86738-3	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32142.D	1	04/25/19 17:58	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.021	0.0089	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.021	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	112%		20-144%
3017-95-6	2-Bromo-1-chloropropane	106%		20-144%

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-6		
Lab Sample ID:	JC86738-4	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L311348.D	4	04/23/19 12:53	JP	n/a	n/a	VL9039
Run #2	3D146914.D	10	04/23/19 04:15	PR	n/a	n/a	V3D6280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	24	ug/l	
71-43-2	Benzene	ND	2.0	1.7	ug/l	
74-97-5	Bromochloromethane	ND	4.0	1.9	ug/l	
75-27-4	Bromodichloromethane	ND	4.0	2.3	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	27	ug/l	
75-15-0	Carbon disulfide	ND	8.0	3.8	ug/l	
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	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	
124-48-1	Dibromochloromethane	ND	4.0	2.2	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	5.4	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	56.3	4.0	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	5.3	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	
100-41-4	Ethylbenzene	ND	4.0	2.4	ug/l	
76-13-1	Freon 113	ND	20	7.8	ug/l	
591-78-6	2-Hexanone	ND	20	8.1	ug/l	
98-82-8	Isopropylbenzene	ND	4.0	2.6	ug/l	
79-20-9	Methyl Acetate	ND	20	3.2	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-6		
Lab Sample ID:	JC86738-4	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	2.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	2.6	ug/l	
127-18-4	Tetrachloroethene	1620 [c]	10	9.0	ug/l	
108-88-3	Toluene	ND	4.0	2.1	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	24.4	4.0	2.1	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	3.3	ug/l	
75-01-4	Vinyl chloride	ND	4.0	3.1	ug/l	
	m,p-Xylene	ND	4.0	3.1	ug/l	
95-47-6	o-Xylene	ND	4.0	2.4	ug/l	
1330-20-7	Xylene (total)	ND	4.0	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	94%	94%	81-124%
2037-26-5	Toluene-D8	106%	101%	80-120%
460-00-4	4-Bromofluorobenzene	95%	96%	80-120%

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

(a) Diluted due to high concentration of target compound.
(b) Associated CCV outside of control limits low.
(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-6		
Lab Sample ID:	JC86738-4	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32143.D	1	04/25/19 18:17	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.021	0.0090	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.021	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	223% [a]		20-144%
3017-95-6	2-Bromo-1-chloropropane	162% [a]		20-144%

(a) Outside control limits due to matrix interference.

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-7		
Lab Sample ID:	JC86738-5	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146907.D	1	04/23/19 01:19	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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-7		
Lab Sample ID:	JC86738-5	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	15.6	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	96%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.48	37	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) 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-7		
Lab Sample ID:	JC86738-5	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32144.D	1	04/25/19 18:36	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.021	0.0090	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.021	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	169% [a]		20-144%
3017-95-6	2-Bromo-1-chloropropane	104%		20-144%

(a) Outside control limits due to matrix interference.

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:	JC86738-6	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146908.D	1	04/23/19 01:44	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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:	JC86738-6	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.47	21	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) 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-9		
Lab Sample ID:	JC86738-6	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P76582.D	1	04/24/19 18:19	CC	04/23/19 14:40	OP19908A	E3P3587
Run #2 [a]	4M83493.D	1	04/26/19 06:41	CS	04/25/19 16:35	OP19977A	E4M3890

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2	950 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [b]	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%	83%	29-124%
321-60-8	2-Fluorobiphenyl	61%	80%	23-122%
1718-51-0	Terphenyl-d14	81%	109%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) This compound is outside the control limits biased low in the associated BS. The results were confirmed by reextraction outside the holding time.

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:	JC86738-6	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32145.D	1	04/25/19 18:55	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.021	0.0090	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.021	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	108%		20-144%
3017-95-6	2-Bromo-1-chloropropane	102%		20-144%

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-10A		
Lab Sample ID:	JC86738-7	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146909.D	1	04/23/19 02:09	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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-10A		
Lab Sample ID:	JC86738-7	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.48	36	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) 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-10A		
Lab Sample ID:	JC86738-7	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32146.D	1	04/25/19 19:14	VDT	04/24/19 11:40	OP19903	G7G1136
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0089	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	89%		20-144%
3017-95-6	2-Bromo-1-chloropropane	83%		20-144%

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-12		
Lab Sample ID:	JC86738-8	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3D146911.D	1	04/23/19 02:59	PR	n/a	n/a	V3D6280
Run #2	3D146912.D	10	04/23/19 03:24	PR	n/a	n/a	V3D6280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	0.58	1.0	0.51	ug/l	J
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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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-12		
Lab Sample ID:	JC86738-8	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	621 [c]	10	9.0	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	1.0	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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%	100%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	95%	81-124%
2037-26-5	Toluene-D8	102%	100%	80-120%
460-00-4	4-Bromofluorobenzene	96%	99%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.47	23	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Diluted due to high concentration of non-target compound.
(b) Associated CCV outside of control limits low.
(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-12		
Lab Sample ID:	JC86738-8	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32157.D	1	04/26/19 17:54	VDT	04/26/19 02:30	OP20007	G7G1137
Run #2							

	Initial Volume	Final Volume
Run #1	35 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0087	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	157% [a]		20-144%
3017-95-6	2-Bromo-1-chloropropane	147% [a]		20-144%

(a) Outside control limits due to matrix interference.

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-13		
Lab Sample ID:	JC86738-9	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L311349.D	50	04/23/19 13:20	JP	n/a	n/a	VL9039
Run #2	3D146915.D	200	04/23/19 04:40	PR	n/a	n/a	V3D6280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	300	ug/l	
71-43-2	Benzene	ND	25	21	ug/l	
74-97-5	Bromochloromethane	ND	50	24	ug/l	
75-27-4	Bromodichloromethane	ND	50	29	ug/l	
75-25-2	Bromoform	ND	50	32	ug/l	
74-83-9	Bromomethane [b]	ND	100	82	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	340	ug/l	
75-15-0	Carbon disulfide	ND	100	48	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	
124-48-1	Dibromochloromethane	ND	50	28	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	68	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	140	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	
100-41-4	Ethylbenzene	ND	50	30	ug/l	
76-13-1	Freon 113	ND	250	97	ug/l	
591-78-6	2-Hexanone	ND	250	100	ug/l	
98-82-8	Isopropylbenzene	ND	50	32	ug/l	
79-20-9	Methyl Acetate	ND	250	40	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-13		
Lab Sample ID:	JC86738-9	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	35	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	33	ug/l	
127-18-4	Tetrachloroethene	27100 [c]	200	180	ug/l	
108-88-3	Toluene	ND	50	27	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	88.7	50	26	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	42	ug/l	
75-01-4	Vinyl chloride	ND	50	39	ug/l	
	m,p-Xylene	ND	50	39	ug/l	
95-47-6	o-Xylene	ND	50	30	ug/l	
1330-20-7	Xylene (total)	ND	50	30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	91%	96%	81-124%
2037-26-5	Toluene-D8	108%	101%	80-120%
460-00-4	4-Bromofluorobenzene	94%	96%	80-120%

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

(a) Diluted due to high concentration of target compound.
(b) Associated CCV outside of control limits low.
(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-13		
Lab Sample ID:	JC86738-9	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32158.D	1	04/26/19 18:13	VDT	04/26/19 02:30	OP20007	G7G1137
Run #2							

	Initial Volume	Final Volume
Run #1	35 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0087	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	1296% [a]		20-144%
3017-95-6	2-Bromo-1-chloropropane	190% [a]		20-144%

(a) Outside control limits due to matrix interference.

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-14		
Lab Sample ID:	JC86738-10	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146905.D	1	04/23/19 00:28	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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-14		
Lab Sample ID:	JC86738-10	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	94%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.48	24	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) 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-14		
Lab Sample ID:	JC86738-10	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32159.D	1	04/26/19 18:32	VDT	04/26/19 02:30	OP20007	G7G1137
Run #2							

	Initial Volume	Final Volume
Run #1	35 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0087	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	111%		20-144%
3017-95-6	2-Bromo-1-chloropropane	101%		20-144%

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-DUP		
Lab Sample ID:	JC86738-11	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146906.D	1	04/23/19 00:53	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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-DUP		
Lab Sample ID:	JC86738-11	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	93%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.48	28	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) 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-DUP		
Lab Sample ID:	JC86738-11	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32160.D	1	04/26/19 18:51	VDT	04/26/19 02:30	OP20007	G7G1137
Run #2							

	Initial Volume	Final Volume
Run #1	35 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0087	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	111%		20-144%
3017-95-6	2-Bromo-1-chloropropane	106%		20-144%

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:	FIELD BLANK		
Lab Sample ID:	JC86738-12	**Date Sampled:**	04/18/19
Matrix:	AQ - Field Blank Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146898.D	1	04/22/19 21:32	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	1.0	1.0	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	4.9	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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:	FIELD BLANK		
Lab Sample ID:	JC86738-12	**Date Sampled:**	04/18/19
Matrix:	AQ - Field Blank Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	93%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

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

(a) 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:	FIELD BLANK		
Lab Sample ID:	JC86738-12	**Date Sampled:**	04/18/19
Matrix:	AQ - Field Blank Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32161.D	1	04/26/19 19:10	VDT	04/26/19 02:30	OP20007	G7G1137
Run #2							

	Initial Volume	Final Volume
Run #1	34 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0088	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	111%		20-144%
3017-95-6	2-Bromo-1-chloropropane	100%		20-144%

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:	JC86738-13	**Date Sampled:**	04/18/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D146899.D	1	04/22/19 21:57	PR	n/a	n/a	V3D6280
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.0	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	0.58	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	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.95	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	
124-48-1	Dibromochloromethane	ND	1.0	0.56	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	1.4	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	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	1.9	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	

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:	JC86738-13	**Date Sampled:**	04/18/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/20/19
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.70	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	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	0.84	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	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	94%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

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

(a) 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:	TRIP BLANK		
Lab Sample ID:	JC86738-13	**Date Sampled:**	04/18/19
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/20/19
Method:	SW846-8011 SW846 8011	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G32162.D	1	04/26/19 19:30	VDT	04/26/19 02:30	OP20007	G7G1137
Run #2							

	Initial Volume	Final Volume
Run #1	35 ml	2.0 ml
Run #2		

VOA List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0086	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.020	0.0053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	106%		20-144%
3017-95-6	2-Bromo-1-chloropropane	101%		20-144%

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:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS GW LS FB WTB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JC86738

Client / Reporting Information

Company Name: ATC GROUP SERVICES
Street Address: 8100 SNOWVILLE ROAD
City State Zip: BRECKSVILLE OH 44141
Project Contact: JED MYERS E-mail: JED.MYERS@ATCGS.COM
Phone #: 631-219-7083
Sampler(s) Name(s): JASON SIEK Phone #:

Project Information

Project Name: SOUTH SIDE PLAZA
Street: 709 FOOTE AVE
City State: JAMESTOWN NY
Project #:
Client Purchase Order #:
Project Manager: JED MYERS

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis

TCL-VOC/624/8260B
EMERG CONT/8270D/1401X

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)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	MW-1		4/17/19	12:45	JS	G	GW	7	X				X				
2	MW-2		4/18/19	5:00				7					X				E25
3	MW-4		4/17/19	4:50				5									V948
4	MW-6		4/18/19	3:00				5									V945
5	MW-7		4/17/19	2:15				5									
6	MW-9		4/17/19	9:30				7					X				
7	MW-10A		4/17/19	10:55				5									
8	MW-12		4/18/19	1:00				5									
9	MW-13		4/18/19	11:40				5									
10	MW-14		4/18/19	10:00				5									
11	MW-DUP		4/17/19	5:00				5									
12	FIELD BLANK		4/18/19	5:00				5									
13	TRIP BLANK																

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 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
- [ ] 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

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		4/19/19 9:00	Fed Ex	2 Fed Ex	4/20/19 0930	
3		Date / Time:	Received by: 3	4	Date / Time:	Received by: 4
5		Date / Time:	Received by: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable / Absent / Therm. ID:	On Ice: Y	Cooler Temp. °C: 2.4oc IP

Initial Assessment 2AOK

Label Verification

EHSA-QAC-0023-02-FORM-Dayton - Standard COC.xlsx

SGS Sample Receipt Summary

Job Number: JC86738 **Client:** ATC GROUP SERVICES LLC. **Project:** SOUTH SIDE PLAZA, JAMESTOWN, NY

Date / Time Received: 4/20/2019 9:40:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (1.4);

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:	IR Gun		
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: 206717 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JC86738: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Job No: JC86738

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC86738-1 MW-1	Collected: 17-APR-19 12:45 By: JS		Received: 20-APR-19 By: DDH			
JC86738-1	SW846 8260C	22-APR-19 22:22	PR			V8260NJTCL20+
JC86738-1	SW846 8260C	22-APR-19 22:48	PR			V8260NJTCL20+
JC86738-1	SW846 8270D BY SIM	24-APR-19 17:58	CC	23-APR-19	BJ	B8270SIM14DIOX
JC86738-1	SW846-8011	25-APR-19 17:20	VDT	24-APR-19	CC	V8011NJ
JC86738-1	SW846 8270D BY SIM	26-APR-19 06:20	CS	25-APR-19		
JC86738-2 MW-2	Collected: 18-APR-19 15:00 By: JS		Received: 20-APR-19 By: DDH			
JC86738-2	SW846 8260C	23-APR-19 03:50	PR			V8260NJTCL20+
JC86738-2	SW846 8260C	23-APR-19 12:26	JP			V8260NJTCL20+
JC86738-2	SW846 8270D BY SIM	24-APR-19 13:37	CC	23-APR-19	NT	B8270SIM14DIOX
JC86738-2	SW846-8011	25-APR-19 17:39	VDT	24-APR-19	CC	V8011NJ
JC86738-3 MW-4	Collected: 17-APR-19 16:50 By: JS		Received: 20-APR-19 By: DDH			
JC86738-3	SW846 8260C	23-APR-19 02:34	PR			V8260NJTCL20+
JC86738-3	SW846-8011	25-APR-19 17:58	VDT	24-APR-19	CC	V8011NJ
JC86738-4 MW-6	Collected: 18-APR-19 15:00 By: JS		Received: 20-APR-19 By: DDH			
JC86738-4	SW846 8260C	23-APR-19 04:15	PR			V8260NJTCL20+
JC86738-4	SW846 8260C	23-APR-19 12:53	JP			V8260NJTCL20+
JC86738-4	SW846-8011	25-APR-19 18:17	VDT	24-APR-19	CC	V8011NJ
JC86738-5 MW-7	Collected: 17-APR-19 14:15 By: JS		Received: 20-APR-19 By: DDH			
JC86738-5	SW846 8260C	23-APR-19 01:19	PR			V8260NJTCL20+
JC86738-5	SW846-8011	25-APR-19 18:36	VDT	24-APR-19	CC	V8011NJ
JC86738-6 MW-9	Collected: 17-APR-19 09:30 By: JS		Received: 20-APR-19 By: DDH			
JC86738-6	SW846 8260C	23-APR-19 01:44	PR			V8260NJTCL20+

Internal Sample Tracking Chronicle

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Job No: JC86738

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC86738-6	SW846 8270D BY SIM	24-APR-19 18:19	CC	23-APR-19	BJ	B8270SIM14DIOX
JC86738-6	SW846-8011	25-APR-19 18:55	VDT	24-APR-19	CC	V8011NJ
JC86738-6	SW846 8270D BY SIM	26-APR-19 06:41	CS	25-APR-19		
JC86738-7	Collected: 17-APR-19 10:55 By: JS		Received: 20-APR-19 By: DDH			
MW-10A						
JC86738-7	SW846 8260C	23-APR-19 02:09	PR			V8260NJTCL20+
JC86738-7	SW846-8011	25-APR-19 19:14	VDT	24-APR-19	CC	V8011NJ
JC86738-8	Collected: 18-APR-19 13:00 By: JS		Received: 20-APR-19 By: DDH			
MW-12						
JC86738-8	SW846 8260C	23-APR-19 02:59	PR			V8260NJTCL20+
JC86738-8	SW846 8260C	23-APR-19 03:24	PR			V8260NJTCL20+
JC86738-8	SW846-8011	26-APR-19 17:54	VDT	26-APR-19	CC	V8011NJ
JC86738-9	Collected: 18-APR-19 11:40 By: JS		Received: 20-APR-19 By: DDH			
MW-13						
JC86738-9	SW846 8260C	23-APR-19 04:40	PR			V8260NJTCL20+
JC86738-9	SW846 8260C	23-APR-19 13:20	JP			V8260NJTCL20+
JC86738-9	SW846-8011	26-APR-19 18:13	VDT	26-APR-19	CC	V8011NJ
JC86738-10	Collected: 18-APR-19 10:00 By: JS		Received: 20-APR-19 By: DDH			
MW-14						
JC86738-10	SW846 8260C	23-APR-19 00:28	PR			V8260NJTCL20+
JC86738-10	SW846-8011	26-APR-19 18:32	VDT	26-APR-19	CC	V8011NJ
JC86738-11	Collected: 17-APR-19 17:00 By: JS		Received: 20-APR-19 By: DDH			
MW-DUP						
JC86738-11	SW846 8260C	23-APR-19 00:53	PR			V8260NJTCL20+
JC86738-11	SW846-8011	26-APR-19 18:51	VDT	26-APR-19	CC	V8011NJ
JC86738-12	Collected: 18-APR-19 17:00 By: JS		Received: 20-APR-19 By: DDH			
FIELD BLANK						
JC86738-12	SW846 8260C	22-APR-19 21:32	PR			V8260NJTCL20+

Internal Sample Tracking Chronicle

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Job No: JC86738

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC86738-12	SW846-8011	26-APR-19 19:10	VDT	26-APR-19	CC	V8011NJ
JC86738-13	Collected: 18-APR-19 17:00 By: JS		Received: 20-APR-19 By: DDH			
TRIP BLANK						
JC86738-13	SW846 8260C	22-APR-19 21:57	PR			V8260NJTCL20+
JC86738-13	SW846-8011	26-APR-19 19:30	VDT	26-APR-19	CC	V8011NJ

SGS Internal Chain of Custody

Job Number: JC86738
Account: BCMNY ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Received: 04/20/19

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-1.1	Secured Storage	Benjamin Gaines	04/22/19 16:20	Retrieve from Storage
JC86738-1.1	Benjamin Gaines	Secured Staging Area	04/22/19 16:20	Return to Storage
JC86738-1.1	Secured Staging Area	Brian Johnson	04/23/19 06:37	Retrieve from Storage
JC86738-1.1	Brian Johnson		04/23/19 13:36	Depleted
JC86738-1.1	Brian Johnson		04/23/19 13:36	Depleted
Analyst chain of custody update error.				
JC86738-1.1.1	Brian Johnson	Organics Prep	04/23/19 06:37	Extract from JC86738-1.1
JC86738-1.1.1	Organics Prep	Brian Johnson	04/23/19 14:36	Extract from JC86738-1.1
JC86738-1.1.1	Organics Prep	Brian Johnson	04/23/19 14:36	Extract from JC86738-1.1
Analyst chain of custody update error.				
JC86738-1.1.1	Brian Johnson	Extract Storage	04/23/19 14:36	Return to Storage
JC86738-1.1.1	Brian Johnson	Extract Storage	04/23/19 14:36	Return to Storage
Analyst unavailable for custody transfer.				
JC86738-1.1.1	Extract Storage	Christine Change	04/24/19 13:01	Retrieve from Storage
JC86738-1.1.1	Christine Change	GCMS3P	04/24/19 13:01	Load on Instrument
JC86738-1.1.1	GCMS3P	Christine Change	04/26/19 14:24	Unload from Instrument
JC86738-1.1.1	Christine Change	Extract Freezer	04/26/19 14:24	Return to Storage
JC86738-1.2	Secured Storage	Todd Shoemaker	04/25/19 11:54	Retrieve from Storage
JC86738-1.2	Todd Shoemaker	Secured Staging Area	04/25/19 11:55	Return to Storage
JC86738-1.2	Secured Staging Area	Naisha Torres	04/25/19 15:10	Retrieve from Storage
JC86738-1.2	Naisha Torres		04/25/19 22:17	Depleted
JC86738-1.2.1	Naisha Torres	Organics Prep	04/25/19 15:10	Extract from JC86738-1.2
JC86738-1.2.1	Organics Prep	Naisha Torres	04/25/19 22:16	Extract from JC86738-1.2
JC86738-1.2.1	Naisha Torres	Extract Storage	04/25/19 22:16	Return to Storage
JC86738-1.2.1	Extract Storage	Christopher Sowa	04/26/19 02:10	Retrieve from Storage
JC86738-1.2.1	Christopher Sowa	GCMS4M	04/26/19 02:10	Load on Instrument
JC86738-1.2.1	GCMS4M	Christine Change	04/26/19 12:26	Unload from Instrument
JC86738-1.2.1	Christine Change	Extract Freezer	04/26/19 12:26	Return to Storage
JC86738-1.3	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-1.3	Amanda Furka		04/24/19 10:30	Depleted
JC86738-1.3.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-1.3
JC86738-1.3.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-1.3
JC86738-1.3.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-1.3.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-1.3.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument
JC86738-1.3.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-1.3.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-1.4	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JC86738
Account: BCMNY ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Received: 04/20/19

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-1.4	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-1.4	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-1.4	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-2.1	Secured Storage	Todd Shoemaker	04/23/19 15:38	Retrieve from Storage
JC86738-2.1	Todd Shoemaker	Secured Staging Area	04/23/19 15:38	Return to Storage
JC86738-2.1	Secured Staging Area	Naisha Torres	04/23/19 16:08	Retrieve from Storage
JC86738-2.1	Naisha Torres		04/23/19 19:13	Depleted
JC86738-2.1.1	Naisha Torres	Organics Prep	04/23/19 16:08	Extract from JC86738-2.1
JC86738-2.1.1	Organics Prep	Naisha Torres	04/23/19 22:56	Extract from JC86738-2.1
JC86738-2.1.1	Naisha Torres	Extract Storage	04/23/19 22:56	Return to Storage
JC86738-2.1.1	Extract Storage	Christine Change	04/24/19 11:16	Retrieve from Storage
JC86738-2.1.1	Christine Change	GCMS4M	04/24/19 11:16	Load on Instrument
JC86738-2.1.1	GCMS4M	Christine Change	04/25/19 11:19	Unload from Instrument
JC86738-2.1.1	Christine Change	Extract Freezer	04/25/19 11:19	Return to Storage
JC86738-2.4	Secured Storage	Jessica Potts	04/23/19 10:54	Retrieve from Storage
JC86738-2.4	Jessica Potts	GCMSL	04/23/19 10:55	Load on Instrument
JC86738-2.4	GCMSL	Jessica Potts	04/24/19 06:45	Unload from Instrument
JC86738-2.4	Jessica Potts	Secured Storage	04/24/19 06:45	Return to Storage
JC86738-2.5	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-2.5	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-2.5	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-2.5	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-2.6	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-2.6	Amanda Furka		04/24/19 10:30	Depleted
JC86738-2.6.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-2.6
JC86738-2.6.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-2.6
JC86738-2.6.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-2.6.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-2.6.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument
JC86738-2.6.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-2.6.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-3.1	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-3.1	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-3.1	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-3.1	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-3.3	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage

SGS Internal Chain of Custody

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Project: South Side Plaza, Jamestown, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-3.3	Amanda Furka		04/24/19 10:30	Depleted
JC86738-3.3.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-3.3
JC86738-3.3.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-3.3
JC86738-3.3.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-3.3.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-3.3.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument
JC86738-3.3.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-3.3.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-4.1	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-4.1	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-4.1	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-4.1	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-4.3	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-4.3	Amanda Furka		04/24/19 10:30	Depleted
JC86738-4.3.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-4.3
JC86738-4.3.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-4.3
JC86738-4.3.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-4.3.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-4.3.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument
JC86738-4.3.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-4.3.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-4.4	Secured Storage	Jessica Potts	04/23/19 10:54	Retrieve from Storage
JC86738-4.4	Jessica Potts	GCMSL	04/23/19 10:55	Load on Instrument
JC86738-4.4	GCMSL	Jessica Potts	04/24/19 06:45	Unload from Instrument
JC86738-4.4	Jessica Potts	Secured Storage	04/24/19 06:45	Return to Storage
JC86738-5.3	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-5.3	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-5.3	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-5.3	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-5.4	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-5.4	Amanda Furka		04/24/19 10:30	Depleted
JC86738-5.4.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-5.4
JC86738-5.4.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-5.4
JC86738-5.4.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-5.4.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-5.4.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument

SGS Internal Chain of Custody

Job Number: JC86738
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Project: South Side Plaza, Jamestown, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-5.4.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-5.4.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-6.1	Secured Storage	Benjamin Gaines	04/22/19 16:20	Retrieve from Storage
JC86738-6.1	Benjamin Gaines	Secured Staging Area	04/22/19 16:20	Return to Storage
JC86738-6.1	Secured Staging Area	Brian Johnson	04/23/19 06:37	Retrieve from Storage
JC86738-6.1	Brian Johnson		04/23/19 13:36	Depleted
JC86738-6.1	Brian Johnson		04/23/19 13:36	Depleted
Analyst chain of custody update error.				
JC86738-6.1.1	Brian Johnson	Organics Prep	04/23/19 06:37	Extract from JC86738-6.1
JC86738-6.1.1	Organics Prep	Brian Johnson	04/23/19 14:36	Extract from JC86738-6.1
JC86738-6.1.1	Organics Prep	Brian Johnson	04/23/19 14:36	Extract from JC86738-6.1
Analyst chain of custody update error.				
JC86738-6.1.1	Brian Johnson	Extract Storage	04/23/19 14:36	Return to Storage
JC86738-6.1.1	Brian Johnson	Extract Storage	04/23/19 14:36	Return to Storage
Analyst unavailable for custody transfer.				
JC86738-6.1.1	Extract Storage	Christine Change	04/24/19 13:01	Retrieve from Storage
JC86738-6.1.1	Christine Change	GCMS3P	04/24/19 13:01	Load on Instrument
JC86738-6.1.1	GCMS3P	Christine Change	04/26/19 14:24	Unload from Instrument
JC86738-6.1.1	Christine Change	Extract Freezer	04/26/19 14:24	Return to Storage
JC86738-6.2	Secured Storage	Todd Shoemaker	04/25/19 11:54	Retrieve from Storage
JC86738-6.2	Todd Shoemaker	Secured Staging Area	04/25/19 11:55	Return to Storage
JC86738-6.2	Secured Staging Area	Naisha Torres	04/25/19 15:10	Retrieve from Storage
JC86738-6.2	Naisha Torres		04/25/19 22:17	Depleted
JC86738-6.2.1	Naisha Torres	Organics Prep	04/25/19 15:10	Extract from JC86738-6.2
JC86738-6.2.1	Organics Prep	Naisha Torres	04/25/19 22:16	Extract from JC86738-6.2
JC86738-6.2.1	Naisha Torres	Extract Storage	04/25/19 22:16	Return to Storage
JC86738-6.2.1	Extract Storage	Christopher Sowa	04/26/19 02:10	Retrieve from Storage
JC86738-6.2.1	Christopher Sowa	GCMS4M	04/26/19 02:10	Load on Instrument
JC86738-6.2.1	GCMS4M	Christine Change	04/26/19 12:26	Unload from Instrument
JC86738-6.2.1	Christine Change	Extract Freezer	04/26/19 12:26	Return to Storage
JC86738-6.3	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-6.3	Amanda Furka		04/24/19 10:30	Depleted
JC86738-6.3.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-6.3
JC86738-6.3.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-6.3
JC86738-6.3.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-6.3.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-6.3.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument
JC86738-6.3.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument

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Job Number: JC86738
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Project: South Side Plaza, Jamestown, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-6.3.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-6.5	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-6.5	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-6.5	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-6.5	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-7.1	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-7.1	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-7.1	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-7.1	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-7.2	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-7.2	Amanda Furka		04/24/19 10:30	Depleted
JC86738-7.2.1	Amanda Furka	Organics Prep	04/24/19 10:17	Extract from JC86738-7.2
JC86738-7.2.1	Organics Prep	Chatiyah Canaday	04/24/19 16:22	Extract from JC86738-7.2
JC86738-7.2.1	Chatiyah Canaday	Extract Storage	04/24/19 16:22	Return to Storage
JC86738-7.2.1	Extract Storage	Vincent Drago	04/25/19 10:07	Retrieve from Storage
JC86738-7.2.1	Vincent Drago	GC7G	04/25/19 10:07	Load on Instrument
JC86738-7.2.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-7.2.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-8.1	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-8.1	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-8.1	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-8.1	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-8.2	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage
JC86738-8.2	Amanda Furka	Secured Storage	04/24/19 10:29	Return to Storage
JC86738-8.2	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-8.2	Matthew Robbins	Secured Staging Area	04/26/19 16:16	Return to Storage
JC86738-8.2	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JC86738-8.4	Secured Storage	Natasha Torres	04/26/19 14:11	Retrieve from Storage
JC86738-8.4	Natasha Torres	Secured Storage	04/30/19 14:28	Return to Storage
JC86738-8.4.1	Natasha Torres	Organics Prep	04/26/19 14:13	Extract from JC86738-8.4
JC86738-8.4.1	Organics Prep	Chatiyah Canaday	04/26/19 15:27	Extract from JC86738-8.4
JC86738-8.4.1	Chatiyah Canaday	Extract Storage	04/26/19 15:27	Return to Storage
JC86738-8.4.1	Extract Storage	Vincent Drago	04/26/19 16:13	Retrieve from Storage
JC86738-8.4.1	Vincent Drago	GC7G	04/26/19 16:13	Load on Instrument
JC86738-8.4.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-8.4.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-9.1	Secured Storage	Natasha Torres	04/26/19 14:11	Retrieve from Storage
JC86738-9.1	Natasha Torres	Secured Storage	04/30/19 14:28	Return to Storage
JC86738-9.1.1	Natasha Torres	Organics Prep	04/26/19 14:13	Extract from JC86738-9.1
JC86738-9.1.1	Organics Prep	Chatiyah Canaday	04/26/19 15:27	Extract from JC86738-9.1
JC86738-9.1.1	Chatiyah Canaday	Extract Storage	04/26/19 15:27	Return to Storage
JC86738-9.1.1	Extract Storage	Vincent Drago	04/26/19 16:13	Retrieve from Storage
JC86738-9.1.1	Vincent Drago	GC7G	04/26/19 16:13	Load on Instrument
JC86738-9.1.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-9.1.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-9.2	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-9.2	Matthew Robbins	Secured Staging Area	04/26/19 16:16	Return to Storage
JC86738-9.2	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JC86738-9.3	Secured Storage	Jessica Potts	04/23/19 10:54	Retrieve from Storage
JC86738-9.3	Jessica Potts	GCMSL	04/23/19 10:55	Load on Instrument
JC86738-9.3	GCMSL	Jessica Potts	04/24/19 06:45	Unload from Instrument
JC86738-9.3	Jessica Potts	Secured Storage	04/24/19 06:45	Return to Storage
JC86738-9.4	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-9.4	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-9.4	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-9.4	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-10.1	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-10.1	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-10.1	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-10.1	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-10.2	Secured Storage	Natasha Torres	04/26/19 14:11	Retrieve from Storage
JC86738-10.2	Natasha Torres	Secured Storage	04/30/19 14:28	Return to Storage
JC86738-10.2.1	Natasha Torres	Organics Prep	04/26/19 14:13	Extract from JC86738-10.2
JC86738-10.2.1	Organics Prep	Chatiyah Canaday	04/26/19 15:27	Extract from JC86738-10.2
JC86738-10.2.1	Chatiyah Canaday	Extract Storage	04/26/19 15:27	Return to Storage
JC86738-10.2.1	Extract Storage	Vincent Drago	04/26/19 16:13	Retrieve from Storage
JC86738-10.2.1	Vincent Drago	GC7G	04/26/19 16:13	Load on Instrument
JC86738-10.2.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-10.2.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-10.4	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-10.4	Matthew Robbins	Secured Staging Area	04/26/19 16:16	Return to Storage
JC86738-10.4	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JC86738-11.1	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-11.1	Matthew Robbins	Secured Staging Area	04/26/19 16:16	Return to Storage
JC86738-11.1	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JC86738-11.3	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-11.3	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-11.3	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-11.3	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-11.4	Secured Storage	Natasha Torres	04/26/19 14:11	Retrieve from Storage
JC86738-11.4	Natasha Torres	Secured Storage	04/30/19 14:28	Return to Storage
JC86738-11.4.1	Natasha Torres	Organics Prep	04/26/19 14:13	Extract from JC86738-11.4
JC86738-11.4.1	Organics Prep	Chatiyah Canaday	04/26/19 15:27	Extract from JC86738-11.4
JC86738-11.4.1	Chatiyah Canaday	Extract Storage	04/26/19 15:27	Return to Storage
JC86738-11.4.1	Extract Storage	Vincent Drago	04/26/19 16:13	Retrieve from Storage
JC86738-11.4.1	Vincent Drago	GC7G	04/26/19 16:13	Load on Instrument
JC86738-11.4.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-11.4.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-12.1	Secured Storage	Natasha Torres	04/26/19 14:11	Retrieve from Storage
JC86738-12.1	Natasha Torres	Secured Storage	04/30/19 14:28	Return to Storage
JC86738-12.1.1	Natasha Torres	Organics Prep	04/26/19 14:13	Extract from JC86738-12.1
JC86738-12.1.1	Organics Prep	Chatiyah Canaday	04/26/19 15:27	Extract from JC86738-12.1
JC86738-12.1.1	Chatiyah Canaday	Extract Storage	04/26/19 15:27	Return to Storage
JC86738-12.1.1	Extract Storage	Vincent Drago	04/26/19 16:13	Retrieve from Storage
JC86738-12.1.1	Vincent Drago	GC7G	04/26/19 16:13	Load on Instrument
JC86738-12.1.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-12.1.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage
JC86738-12.2	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-12.2	Matthew Robbins	Secured Staging Area	04/26/19 16:16	Return to Storage
JC86738-12.2	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JC86738-12.5	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-12.5	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC86738-12.5	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-12.5	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-13.1	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-13.1	Matthew Robbins	Secured Staging Area	04/26/19 16:16	Return to Storage
JC86738-13.1	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JC86738-13.3	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-13.3	Payal Rana	GCMS3D	04/22/19 21:06	Load on Instrument
JC86738-13.3	GCMS3D	Jessica Potts	04/23/19 08:59	Unload from Instrument
JC86738-13.3	Jessica Potts	Secured Storage	04/23/19 08:59	Return to Storage
JC86738-13.4	Secured Storage	Natasha Torres	04/26/19 14:11	Retrieve from Storage
JC86738-13.4	Natasha Torres	Secured Storage	04/30/19 14:28	Return to Storage
JC86738-13.4.1	Natasha Torres	Organics Prep	04/26/19 14:13	Extract from JC86738-13.4
JC86738-13.4.1	Organics Prep	Chatiyah Canaday	04/26/19 15:27	Extract from JC86738-13.4
JC86738-13.4.1	Chatiyah Canaday	Extract Storage	04/26/19 15:27	Return to Storage
JC86738-13.4.1	Extract Storage	Vincent Drago	04/26/19 16:13	Retrieve from Storage
JC86738-13.4.1	Vincent Drago	GC7G	04/26/19 16:13	Load on Instrument
JC86738-13.4.1	GC7G	Vincent Drago	05/02/19 08:40	Unload from Instrument
JC86738-13.4.1	Vincent Drago	Extract Freezer	05/02/19 08:40	Return to Storage

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC

South Side Plaza; 704 Foote Ave, Jamestown, NY

SGS Job Number: FA63499

Sampling Dates: 04/17/19 - 04/18/19

Report to:

ATC Group Services LLC
8100 Snowville Rd
Brecksville, OH 44141
jed.myers@atcgs.com

ATTN: Jed Myers

Total number of pages in report: 24

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.

Caitlin Brice, M.S.
General Manager

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AK, AR, IA, KY, MA, MS, ND, NH, NV, OK, OR, UT, WA, WV

Sections: 1 2 3 4 5

Table of Contents

SGS North America Inc.

Sample Summary

ATC Group Services LLC

Job No: FA63499

South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA63499-1	04/17/19	12:45	JS	04/20/19	AQ	Ground Water	MW-1
FA63499-2	04/18/19	17:00	JS	04/20/19	AQ	Ground Water	MW-2
FA63499-3	04/17/19	09:30	JS	04/20/19	AQ	Ground Water	MW-9

Summary of Hits

Job Number: FA63499
Account: ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY
Collected: 04/17/19 thru 04/18/19

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA63499-1	**MW-1**					
Perfluorobutanoic acid		8.77 B	8.0	2.0	ng/l	EPA 537M BY ID
Perfluoropentanoic acid		15.1	4.0	1.5	ng/l	EPA 537M BY ID
Perfluorohexanoic acid		7.85	4.0	1.0	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid		3.77	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorooctanoic acid		5.43	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid		1.74 J	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid		2.12	2.0	1.0	ng/l	EPA 537M BY ID
FA63499-2	**MW-2**					
Perfluorobutanoic acid		10.0 B	8.0	2.0	ng/l	EPA 537M BY ID
Perfluoropentanoic acid		11.6	4.0	1.5	ng/l	EPA 537M BY ID
Perfluorohexanoic acid		8.00	4.0	1.0	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid		4.76	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorooctanoic acid		9.53	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid		1.51 J	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid		2.08	2.0	1.0	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid		5.97	2.0	1.5	ng/l	EPA 537M BY ID
FA63499-3	**MW-9**					
Perfluorobutanoic acid		5.90 JB	9.5	2.4	ng/l	EPA 537M BY ID
Perfluorooctanoic acid		3.06	2.4	1.2	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid		1.31 J	2.4	1.2	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid		2.39 J	2.4	1.8	ng/l	EPA 537M BY ID
6:2 Fluorotelomer sulfonate		6.18 J	9.5	2.4	ng/l	EPA 537M BY ID

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA63499-1	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	n/a
Project:	South Side Plaza; 704 Foote Ave, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q29352.D	1	04/23/19 20:45	NG	04/22/19 13:00	OP74691	S2Q468
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	8.77	8.0	2.0	ng/l	B
2706-90-3	Perfluoropentanoic acid	15.1	4.0	1.5	ng/l	
307-24-4	Perfluorohexanoic acid	7.85	4.0	1.0	ng/l	
375-85-9	Perfluoroheptanoic acid	3.77	2.0	1.0	ng/l	
335-67-1	Perfluorooctanoic acid	5.43	2.0	1.0	ng/l	
375-95-1	Perfluorononanoic acid	ND	2.0	1.0	ng/l	
335-76-2	Perfluorodecanoic acid	ND	4.0	1.0	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	4.0	1.0	ng/l	
307-55-1	Perfluorododecanoic acid	ND	4.0	1.5	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	4.0	1.0	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	4.0	1.0	ng/l	
PERFLUOROALKYLSULFONATES						
375-73-5	Perfluorobutanesulfonic acid	1.74	2.0	1.0	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	2.12	2.0	1.0	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	4.0	1.0	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	2.0	1.5	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	4.0	1.0	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	4.0	1.0	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	20	4.0	ng/l	
2991-50-6	EtFOSAA	ND	20	4.0	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	8.0	2.0	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	8.0	2.0	ng/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-1		
Lab Sample ID:	FA63499-1	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	n/a
Project:	South Side Plaza; 704 Foote Ave, Jamestown, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	97%		30-140%
	13C5-PFPeA	92%		40-140%
	13C5-PFHxA	93%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	106%		50-150%
	13C9-PFNA	102%		50-150%
	13C6-PFDA	95%		50-150%
	13C7-PFUnDA	87%		50-150%
	13C2-PFDoDA	110%		50-150%
	13C2-PFTeDA	74%		40-150%
	13C3-PFBS	91%		50-150%
	13C3-PFHxS	92%		50-150%
	13C8-PFOS	86%		50-150%
	13C8-FOSA	93%		30-140%
	d3-MeFOSAA	83%		50-150%
	13C2-6:2FTS	111%		50-150%
	13C2-8:2FTS	91%		50-150%

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-2		
Lab Sample ID:	FA63499-2	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	n/a
Project:	South Side Plaza; 704 Foote Ave, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q29354.D	1	04/23/19 21:15	NG	04/22/19 13:00	OP74691	S2Q468
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	10.0	8.0	2.0	ng/l	B
2706-90-3	Perfluoropentanoic acid	11.6	4.0	1.5	ng/l	
307-24-4	Perfluorohexanoic acid	8.00	4.0	1.0	ng/l	
375-85-9	Perfluoroheptanoic acid	4.76	2.0	1.0	ng/l	
335-67-1	Perfluorooctanoic acid	9.53	2.0	1.0	ng/l	
375-95-1	Perfluorononanoic acid	ND	2.0	1.0	ng/l	
335-76-2	Perfluorodecanoic acid	ND	4.0	1.0	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	4.0	1.0	ng/l	
307-55-1	Perfluorododecanoic acid	ND	4.0	1.5	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	4.0	1.0	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	4.0	1.0	ng/l	
PERFLUOROALKYLSULFONATES						
375-73-5	Perfluorobutanesulfonic acid	1.51	2.0	1.0	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	2.08	2.0	1.0	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	4.0	1.0	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	5.97	2.0	1.5	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	4.0	1.0	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	4.0	1.0	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	20	4.0	ng/l	
2991-50-6	EtFOSAA	ND	20	4.0	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	8.0	2.0	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	8.0	2.0	ng/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-2		
Lab Sample ID:	FA63499-2	**Date Sampled:**	04/18/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	n/a
Project:	South Side Plaza; 704 Foote Ave, Jamestown, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	107%		30-140%
	13C5-PFPeA	104%		40-140%
	13C5-PFHxA	103%		50-150%
	13C4-PFHpA	108%		50-150%
	13C8-PFOA	114%		50-150%
	13C9-PFNA	110%		50-150%
	13C6-PFDA	104%		50-150%
	13C7-PFUnDA	100%		50-150%
	13C2-PFDoDA	107%		50-150%
	13C2-PFTeDA	89%		40-150%
	13C3-PFBS	101%		50-150%
	13C3-PFHxS	102%		50-150%
	13C8-PFOS	98%		50-150%
	13C8-FOSA	106%		30-140%
	d3-MeFOSAA	87%		50-150%
	13C2-6:2FTS	112%		50-150%
	13C2-8:2FTS	101%		50-150%

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:	FA63499-3	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	n/a
Project:	South Side Plaza; 704 Foote Ave, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q29355.D	1.19	04/23/19 21:29	NG	04/22/19 13:00	OP74691	S2Q468
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	5.90	9.5	2.4	ng/l	JB
2706-90-3	Perfluoropentanoic acid	ND	4.8	1.8	ng/l	
307-24-4	Perfluorohexanoic acid	ND	4.8	1.2	ng/l	
375-85-9	Perfluoroheptanoic acid	ND	2.4	1.2	ng/l	
335-67-1	Perfluorooctanoic acid	3.06	2.4	1.2	ng/l	
375-95-1	Perfluorononanoic acid	ND	2.4	1.2	ng/l	
335-76-2	Perfluorodecanoic acid	ND	4.8	1.2	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	4.8	1.2	ng/l	
307-55-1	Perfluorododecanoic acid	ND	4.8	1.8	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	4.8	1.2	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	4.8	1.2	ng/l	
PERFLUOROALKYLSULFONATES						
375-73-5	Perfluorobutanesulfonic acid	1.31	2.4	1.2	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	ND	2.4	1.2	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	4.8	1.2	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	2.39	2.4	1.8	ng/l	J
335-77-3	Perfluorodecanesulfonic acid	ND	4.8	1.2	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	4.8	1.2	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	24	4.8	ng/l	
2991-50-6	EtFOSAA	ND	24	4.8	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	6.18	9.5	2.4	ng/l	J
39108-34-4	8:2 Fluorotelomer sulfonate	ND	9.5	2.4	ng/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:	FA63499-3	**Date Sampled:**	04/17/19
Matrix:	AQ - Ground Water	**Date Received:**	04/20/19
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	n/a
Project:	South Side Plaza; 704 Foote Ave, Jamestown, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	116%		30-140%
	13C5-PFPeA	115%		40-140%
	13C5-PFHxA	117%		50-150%
	13C4-PFHpA	121%		50-150%
	13C8-PFOA	129%		50-150%
	13C9-PFNA	124%		50-150%
	13C6-PFDA	122%		50-150%
	13C7-PFUnDA	111%		50-150%
	13C2-PFDoDA	128%		50-150%
	13C2-PFTeDA	88%		40-150%
	13C3-PFBS	115%		50-150%
	13C3-PFHxS	116%		50-150%
	13C8-PFOS	114%		50-150%
	13C8-FOSA	97%		30-140%
	d3-MeFOSAA	105%		50-150%
	13C2-6:2FTS	128%		50-150%
	13C2-8:2FTS	118%		50-150%

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:

- Chain of Custody

SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : FA63499 PAGE ____ OF ____

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: ATC GROUP SERVICES
Address: 8100 SNOWVILLE ROAD
City: BRECKSVILLE State: OH Zip: 44141
Project Contact: JED MYERS Email: JED.MYERS@ATCGS.COM
Phone #: 631-219-7083
Sampler(s) Name(s) (Printed) Sampler 1: JASON SIS Sampler 2:

Project Information

Project Name: SOUTH SIDE PLAZA
Street: 704 FOOTE AVENUE
City: JAMESTOWN State: NY
Project #
Fax #
Client Purchase Order #

Analytical Information

21 ANALYTES 537M+D PFAS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	LAB USE ONLY
1	MW-1	4/17/19	12:45	JS	GW	42		X								X
2	MW-2	4/18/19	9:00	JS	GW	42		X								X
3	MW-4	4/17/19	9:30	JS	GW	42		X								X

Turnaround Time (Business days)

10 Day (Business)
7 Day
5 Day *
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Approved By: / Date:
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation
1		4/19/19 4:00	2 F/X
3	Relinquished By/Affiliation F/X	Date Time: 9.20.19	Received By/Affiliation
5	Relinquished by/Affiliation	Date Time:	Received By/Affiliation 6
7	Relinquished By/Affiliation	Date Time:	Received By/Affiliation 8

Lab Use Only : Cooler Temperature (s) Celsius (corrected):

http://www.sgs.com/en/terms-and-conditions

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

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FA63499: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA63499 **Client:** ATC **Project:** SOUTH SIDE PLAZA

Date / Time Received: 4/20/2019 9:00:00 AM **Delivery Method:** FED EX **Airbill #'s:** 1002285932860003281100490063527622

Therm ID: IR 1; **Therm CF:** 0.4; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.7);

Cooler Temps (Corrected) °C: Cooler 1: (3.1);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: TRINITYM Date: 4/20/2019 9:00:00 AM Reviewer: _____ Date: _____

FA63499: Chain of Custody
Page 2 of 2

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-MB	2Q29351.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	0.00425	0.0080	0.0020	ug/l	J
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.0015	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0040	0.0010	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0040	0.0010	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0040	0.0010	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0040	0.0010	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0040	0.0010	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0040	0.0010	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0040	0.0015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0040	0.0010	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0040	0.0010	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0040	0.0010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0040	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0040	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0040	0.0015	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0040	0.0010	ug/l	
754-91-6	PFOSA	ND	0.0040	0.0010	ug/l	
2355-31-9	MeFOSAA	ND	0.020	0.0040	ug/l	
2991-50-6	EtFOSAA	ND	0.020	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.0020	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0020	ug/l	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	107%	30-140%
	13C5-PFPeA	107%	40-140%
	13C5-PFHxA	107%	50-150%
	13C4-PFHpA	108%	50-150%
	13C8-PFOA	112%	50-150%
	13C9-PFNA	108%	50-150%
	13C6-PFDA	105%	50-150%
	13C7-PFUnDA	91%	50-150%
	13C2-PFDoDA	76%	50-150%
	13C2-PFTeDA	75%	40-150%
	13C3-PFBS	107%	50-150%

Method Blank Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-MB	2Q29351.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	ID Standard Recoveries		Limits
	13C3-PFHxS	107%	50-150%
	13C8-PFOS	106%	50-150%
	13C8-FOSA	102%	30-140%
	d3-MeFOSAA	88%	50-150%
	13C2-6:2FTS	106%	50-150%
	13C2-8:2FTS	95%	50-150%

Instrument Blank

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S2Q468-IBLK	2Q29340.D	1	04/23/19	NG	n/a	n/a	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.1 B-15

FA63499-1, FA63499-2, FA63499-3

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.015	0.0038	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0077	0.0029	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0077	0.0019	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0077	0.0019	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0077	0.0019	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0077	0.0019	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0077	0.0019	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0077	0.0019	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0077	0.0029	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0077	0.0019	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0077	0.0019	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0077	0.0019	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0077	0.0019	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0077	0.0019	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0077	0.0029	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0077	0.0019	ug/l	
754-91-6	PFOSA	ND	0.0077	0.0019	ug/l	
2355-31-9	MeFOSAA	ND	0.038	0.0077	ug/l	
2991-50-6	EtFOSAA	ND	0.038	0.0077	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.015	0.0038	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.015	0.0038	ug/l	

CAS No.	ID Standard Recoveries		Limits
	13C8-PFOA	107%	50-150%
	13C8-PFOS	104%	50-150%

Blank Spike Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-BS	2Q29350.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.08	0.0753	94	70-130
2706-90-3	Perfluoropentanoic acid	0.08	0.0745	93	70-130
307-24-4	Perfluorohexanoic acid	0.08	0.0728	91	70-130
375-85-9	Perfluoroheptanoic acid	0.08	0.0718	90	71-130
335-67-1	Perfluorooctanoic acid	0.08	0.0746	93	74-130
375-95-1	Perfluorononanoic acid	0.08	0.0746	93	76-130
335-76-2	Perfluorodecanoic acid	0.08	0.0747	93	70-130
2058-94-8	Perfluoroundecanoic acid	0.08	0.0768	96	70-130
307-55-1	Perfluorododecanoic acid	0.08	0.0749	94	70-130
72629-94-8	Perfluorotridecanoic acid	0.08	0.0752	94	70-139
376-06-7	Perfluorotetradecanoic acid	0.08	0.0768	96	70-130
375-73-5	Perfluorobutanesulfonic acid	0.08	0.0773	97	73-130
355-46-4	Perfluorohexanesulfonic acid	0.08	0.0765	96	74-130
375-92-8	Perfluoroheptanesulfonic acid	0.08	0.0748	94	74-130
1763-23-1	Perfluorooctanesulfonic acid	0.08	0.0689	86	70-130
335-77-3	Perfluorodecanesulfonic acid	0.08	0.0561	70	70-130
754-91-6	PFOSA	0.08	0.0725	91	70-131
2355-31-9	MeFOSAA	0.08	0.0760	95	70-130
2991-50-6	EtFOSAA	0.08	0.0665	83	70-130
27619-97-2	6:2 Fluorotelomer sulfonate	0.08	0.0764	96	70-133
39108-34-4	8:2 Fluorotelomer sulfonate	0.08	0.0777	97	70-130

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	105%	30-140%
	13C5-PFPeA	105%	40-140%
	13C5-PFHxA	104%	50-150%
	13C4-PFHpA	105%	50-150%
	13C8-PFOA	105%	50-150%
	13C9-PFNA	103%	50-150%
	13C6-PFDA	99%	50-150%
	13C7-PFUnDA	91%	50-150%
	13C2-PFDoDA	79%	50-150%
	13C2-PFTeDA	75%	40-150%
	13C3-PFBS	103%	50-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-BS	2Q29350.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	ID Standard Recoveries	BSP	Limits
	13C3-PFHxS	102%	50-150%
	13C8-PFOS	101%	50-150%
	13C8-FOSA	96%	30-140%
	d3-MeFOSAA	88%	50-150%
	13C2-6:2FTS	105%	50-150%
	13C2-8:2FTS	98%	50-150%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-MS	2Q29353.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468
FA63499-1	2Q29352.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	Compound	FA63499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
375-22-4	Perfluorobutanoic acid	0.00877	B	0.08	0.0777	86	70-130
2706-90-3	Perfluoropentanoic acid	0.0151		0.08	0.0860	89	70-130
307-24-4	Perfluorohexanoic acid	0.00785		0.08	0.0765	86	70-130
375-85-9	Perfluoroheptanoic acid	0.00377		0.08	0.0708	84	71-130
335-67-1	Perfluorooctanoic acid	0.00543		0.08	0.0734	85	74-130
375-95-1	Perfluorononanoic acid	ND		0.08	0.0685	86	76-130
335-76-2	Perfluorodecanoic acid	ND		0.08	0.0683	85	70-130
2058-94-8	Perfluoroundecanoic acid	ND		0.08	0.0710	89	70-130
307-55-1	Perfluorododecanoic acid	ND		0.08	0.0700	88	70-130
72629-94-8	Perfluorotridecanoic acid	ND		0.08	0.0687	86	70-139
376-06-7	Perfluorotetradecanoic acid	ND		0.08	0.0734	92	70-130
375-73-5	Perfluorobutanesulfonic acid	0.00174	J	0.08	0.0753	92	73-130
355-46-4	Perfluorohexanesulfonic acid	0.00212		0.08	0.0721	87	74-130
375-92-8	Perfluoroheptanesulfonic acid	ND		0.08	0.0674	84	74-130
1763-23-1	Perfluorooctanesulfonic acid	ND		0.08	0.0645	81	70-130
335-77-3	Perfluorodecanesulfonic acid	ND		0.08	0.0591	74	70-130
754-91-6	PFOSA	ND		0.08	0.0677	85	70-131
2355-31-9	MeFOSAA	ND		0.08	0.0717	90	70-130
2991-50-6	EtFOSAA	ND		0.08	0.0674	84	70-130
27619-97-2	6:2 Fluorotelomer sulfonate	ND		0.08	0.0707	88	70-133
39108-34-4	8:2 Fluorotelomer sulfonate	ND		0.08	0.0706	88	70-130

CAS No.	ID Standard Recoveries	MS	FA63499-1	Limits
	13C4-PFBA	95%	97%	30-140%
	13C5-PFPeA	91%	92%	40-140%
	13C5-PFHxA	91%	93%	50-150%
	13C4-PFHpA	96%	99%	50-150%
	13C8-PFOA	102%	106%	50-150%
	13C9-PFNA	101%	102%	50-150%
	13C6-PFDA	93%	95%	50-150%
	13C7-PFUnDA	86%	87%	50-150%
	13C2-PFDoDA	115%	110%	50-150%
	13C2-PFTeDA	81%	74%	40-150%
	13C3-PFBS	90%	91%	50-150%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-MS	2Q29353.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468
FA63499-1	2Q29352.D	1	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	ID Standard Recoveries	MS	FA63499-1	Limits
	13C3-PFHxS	91%	92%	50-150%
	13C8-PFOS	85%	86%	50-150%
	13C8-FOSA	89%	93%	30-140%
	d3-MeFOSAA	82%	83%	50-150%
	13C2-6:2FTS	111%	111%	50-150%
	13C2-8:2FTS	99%	91%	50-150%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-DUP	2Q29356.D	1.56	04/23/19	NG	04/22/19	OP74691	S2Q468
FA63499-3	2Q29355.D	1.19	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	Compound	FA63499-3 ug/l	Q	DUP ug/l	Q	RPD	Limits
375-22-4	Perfluorobutanoic acid	0.00590	JB	0.00353	J	50*	30
2706-90-3	Perfluoropentanoic acid	ND		ND		nc	30
307-24-4	Perfluorohexanoic acid	ND		ND		nc	30
375-85-9	Perfluoroheptanoic acid	ND		ND		nc	30
335-67-1	Perfluorooctanoic acid	0.00306		0.00223	J	31*	30
375-95-1	Perfluorononanoic acid	ND		ND		nc	30
335-76-2	Perfluorodecanoic acid	ND		ND		nc	30
2058-94-8	Perfluoroundecanoic acid	ND		ND		nc	30
307-55-1	Perfluorododecanoic acid	ND		ND		nc	30
72629-94-8	Perfluorotridecanoic acid	ND		ND		nc	30
376-06-7	Perfluorotetradecanoic acid	ND		ND		nc	30
375-73-5	Perfluorobutanesulfonic acid	0.00131	J	ND		200*	30
355-46-4	Perfluorohexanesulfonic acid	ND		ND		nc	30
375-92-8	Perfluoroheptanesulfonic acid	ND		ND		nc	30
1763-23-1	Perfluorooctanesulfonic acid	0.00239	J	ND		200*	30
335-77-3	Perfluorodecanesulfonic acid	ND		ND		nc	30
754-91-6	PFOSA	ND		ND		nc	30
2355-31-9	MeFOSAA	ND		ND		nc	30
2991-50-6	EtFOSAA	ND		ND		nc	30
27619-97-2	6:2 Fluorotelomer sulfonate	0.00618	J	0.00411	J	40*	30
39108-34-4	8:2 Fluorotelomer sulfonate	ND		ND		nc	30

CAS No.	ID Standard Recoveries	DUP	FA63499-3	Limits
	13C4-PFBA	148%* [a]	116%	30-140%
	13C5-PFPeA	145%* [a]	115%	40-140%
	13C5-PFHxA	145%	117%	50-150%
	13C4-PFHpA	150%	121%	50-150%
	13C8-PFOA	159%* [a]	129%	50-150%
	13C9-PFNA	154%* [a]	124%	50-150%
	13C6-PFDA	144%	122%	50-150%
	13C7-PFUnDA	118%	111%	50-150%
	13C2-PFDoDA	139%	128%	50-150%
	13C2-PFTeDA	91%	88%	40-150%
	13C3-PFBS	142%	115%	50-150%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA63499
Account: ATCOHB ATC Group Services LLC
Project: South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP74691-DUP	2Q29356.D	1.56	04/23/19	NG	04/22/19	OP74691	S2Q468
FA63499-3	2Q29355.D	1.19	04/23/19	NG	04/22/19	OP74691	S2Q468

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No.	ID Standard Recoveries	DUP	FA63499-3	Limits
	13C3-PFHxS	145%	116%	50-150%
	13C8-PFOS	138%	114%	50-150%
	13C8-FOSA	99%	97%	30-140%
	d3-MeFOSAA	118%	105%	50-150%
	13C2-6:2FTS	158%* [a]	128%	50-150%
	13C2-8:2FTS	141%	118%	50-150%

(a) Outside control limits.

* = Outside of Control Limits.

APPENDIX C

INDOOR AIR
LABORATORY REPORT

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

SGS Job Number: JC87567

Sampling Date: 05/02/19

Report to:

ATC Group Services LLC.

jed.myers@atcassociates.com

ATTN: Jed Myers

Total number of pages in report: 12

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.

Mike Earp
General Manager

Client Service contact: Kelly Ramos 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, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Sections: 1 2 3 4

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Sample Summary

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Job No: JC87567

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC87567-1	05/02/19	05:45	JSJ	05/03/19	AIR	Indoor Air Comp.	IA-01

Summary of Hits

Job Number: JC87567
Account: ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Collected: 05/02/19

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC87567-1	**IA-01**					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	IA-01		
Lab Sample ID:	JC87567-1	**Date Sampled:**	05/02/19
Matrix:	AIR - Indoor Air Comp. Summa ID: A1092	**Date Received:**	05/03/19
Method:	TO-15	**Percent Solids:**	n/a
Project:	South Side Plaza, Jamestown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W36389.D	1.65	05/08/19 14:50	TCH	n/a	n/a	V5W1484
Run #2							

	Initial Volume
Run #1	660 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.012	ppbv		ND	0.79	0.048	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.031	ppbv		ND	0.27	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		65-128%

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:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS AIR

AIR CHAIN OF CUSTODY

PAGE ___ OF ___

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusa

FED-EX Tracking #
Bottle Order Control # AC-0419-68
SGS Quote #
SGS Job # JC87567

Client / Reporting Information		Project Information		Weather Parameters	
Company Name: ATC GROUP SERVICES		Project Name: SOUTH SIDE PLAZA		Temperature (Fahrenheit)	
Address: 8100 SNOWVILLE RD		Street: 710 FOOTE ROAD		Start:	Maximum:
City: BRECKSVILLE State: OHIO	Zip: 44141	City: JAMESTOWN	State: NY	Stop:	Minimum:
Project Contact: JED MYERS	E-mail: JED.MYERS.ATCGS.COM	Project #		Atmospheric Pressure (inches of Hg)	
Phone #	Fax #	Client Purchase Order #		Start:	Maximum:
Sampler(s) Name(s)				Stop:	Minimum:
				Other weather comment:	

Requested Analysis: Perchloroethylene (TO-15)

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Date	Start Time (24hr clock)	Start Canister Pressure ("Hg)	Start Interior Temp (F)	Start Sampler Init.	Stop Date	Stop Time (24hr clock)	Stop Canister Pressure ("Hg)	Stop Interior Temp (F)	Stop Sampler Init.	Perchloroethylene (TO-15)
1	IA-01	I	A1092	6	FC622	5/2/19	9:55	28.5	67°	JS	5/2/19	5:45	6.5	67°	JS	
	⊗ PERCHLOROETHYLENE ONLY / 2 DAY TAT															

Turnaround Time (Business days)
- Standard - 15 Days
- 10 Day
- 5 Day
- 3 Day
- X 2 Day
- 1 Day
- Other

Approved By: ____________

Date: ____________

Data Deliverable Information
All NJDEP TO-15 is mandatory Full T1
- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	4/29/19 1315	1 [signature]	2 [signature]	5/3/19 4:00	2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

Initial Assessment KG48

Label Verification ____

http://www.sgs.com/en/terms-and-conditions

JC87567: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JC87567 **Client:** ATC GROUP SERVICES LLC. **Project:** SOUTH SIDE PLAZA

Date / Time Received: 5/3/2019 4:00:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

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:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

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: 206717 pH 12+: 208717 Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JC87567: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JC87567
Account: BCMNY ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Received: 05/03/19

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1092	6	29.4	04/29/19	JT	CP10311	6W11769.D	JC87567-1	05/06/19	JT	10.5		1	1.65

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC622	04/29/19	JT	9.6	8	05/06/19	JT	11.8	20.6*	Flow Controller

* Flow controller RPD > 20%

SGS Bottle Order(s):
AK-042619-68

Prep Date	Room Temp(F)	Bar Pres "Hg
04/29/19	70	29.92

Internal Sample Tracking Chronicle

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Job No: JC87567

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC87567-1 IA-01	Collected: 02-MAY-19 05:45	By: JSJ	Received: 03-MAY-19		By: TRS	
JC87567-1	TO-15	08-MAY-19 14:50	TCH			VTO15PCE

SGS Internal Chain of Custody

Job Number: JC87567
Account: BCMNY ATC Group Services LLC.
Project: South Side Plaza, Jamestown, NY
Received: 05/03/19

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC87567-1.1	Jeemit Patel	Air Storage	05/04/19 11:37	Return to Storage
JC87567-1.1	Air Storage	Thomas Hilbig	05/08/19 15:19	Retrieve from Storage
JC87567-1.1	Thomas Hilbig	GCMS5W	05/08/19 15:19	Load on Instrument
JC87567-1.1	Dave Hunkele		06/08/19 05:07	Disposed