

GROUNDWATER SAMPLING RESULTS AND EVALUATION OF SUB-SLAB DEPRESSURIZATION SYSTEM

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

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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 (μ g/L) at MW-13, and TCE was reported at non-detect to 180 μ g/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 1,4dioxane 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° 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 μ g/L. The concentrations of PCE ranged from 27,100 micrograms per liter (μ g/L), immediately downgradient of the former dry cleaner at the south adjoining SFAP parcel, to 15.6 μ g/L at MW-7. Trichloroethene concentrations ranged from 102 μ g/L at MW-1 to non-detect at MW-7. The measured concentrations of cis-DCE ranged from 140 μ g/L at MW-13 to non-detect at MW-7. Trans-DCE was only detected at MW-6 at a concentration of 5.3 μ g/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 μ g/L at MW-1. The detected concentration is below the NYSDOH recommended MCL of 1 μ g/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 μ g/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. <u>https://www.health.ny.gov/press/releases/2018/2018-12-</u> 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



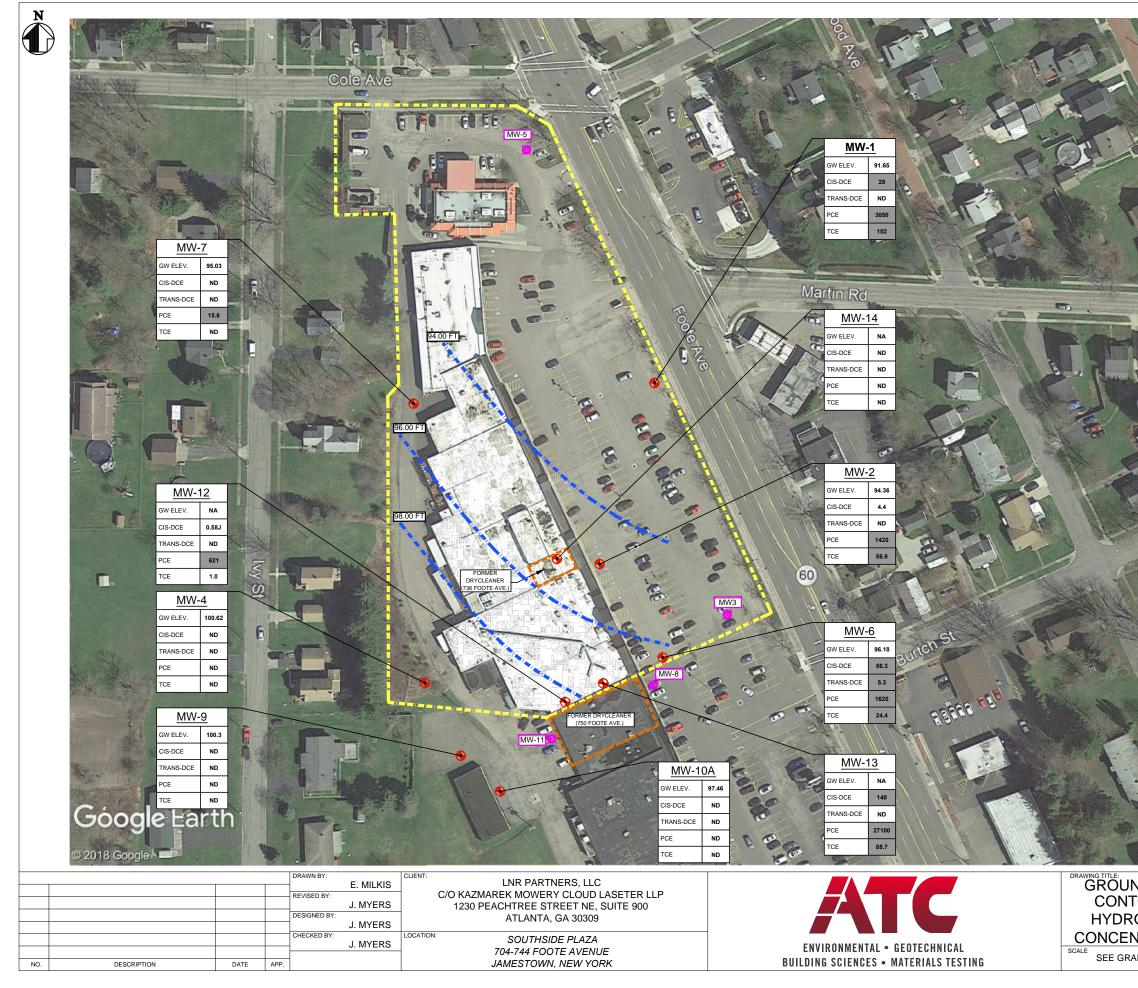


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SOURCE: U.S. Geologic Survey Topographic Map 7.5 Minute Series, Jamestown, NY 2016

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
Ø	MONITORING WELL NOT LOCATED
	APPROXIMATE PROPERTY BOUNDARY
	GROUNDWATER CONTOUR LINE AND RELATIVE ELEVATION

<u>MW-1</u>		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

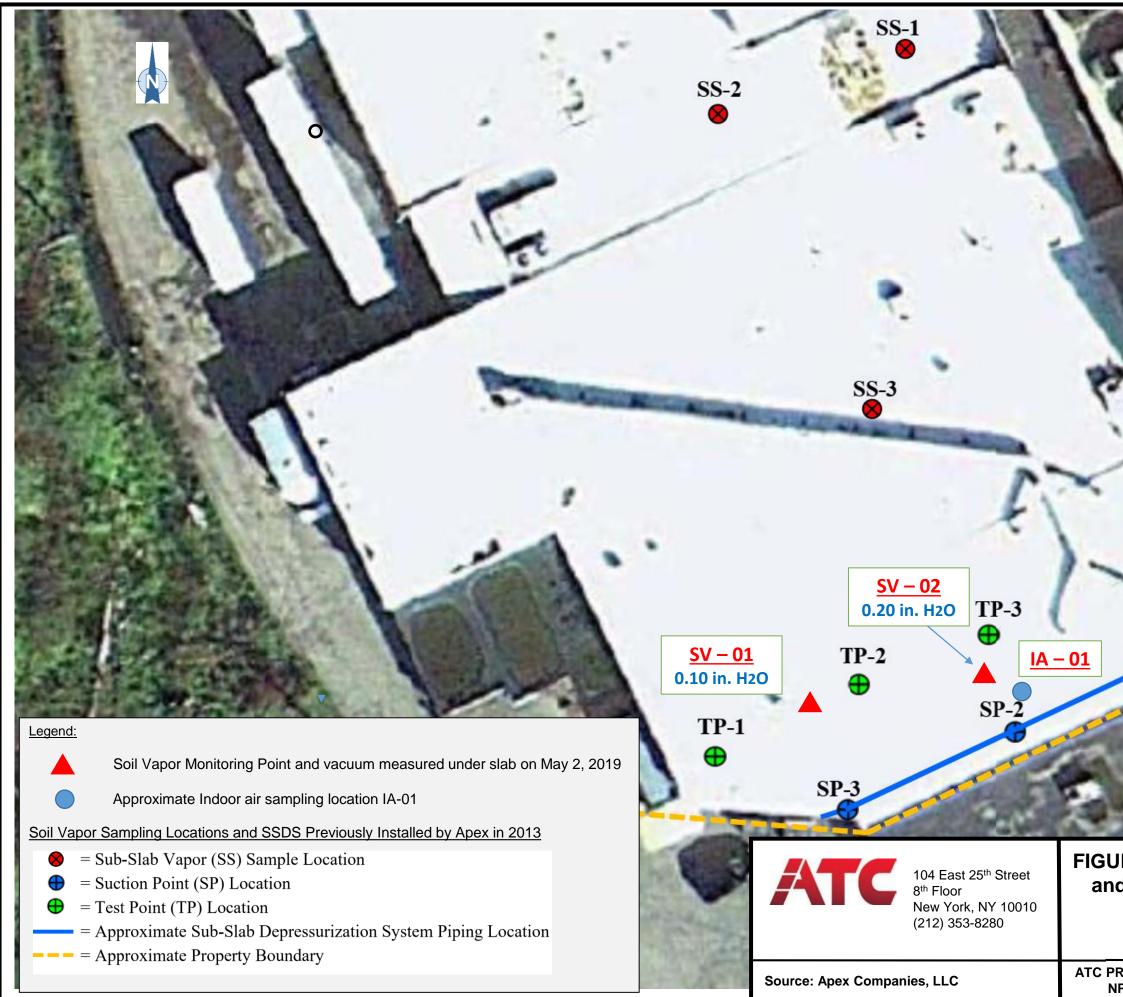
SH

NA - NOT AVAILABLE

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

	0	100		200				
		SCALE IN FEET						
FOURS, A	ND CHL	TIONS AND ORINATED NDWATER		DRAWIN		G-2	xx	
NTRATION	NS. APRI	L 17-18, 201	19	DATE:	05.17	.2019)	
APH SCALE	ATC PROJE	CT No. NPKMCL18		REVISIO	N No.			

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



Note: Site plan based on Figure 3 of the Sub-Slab Depressurization Installation Report, prepared by Apex, dated May 12, 2013

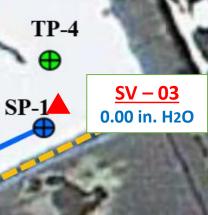


FIGURE 3: Soil Vapor Monitoring Points and Measured Vacuum, May 2, 2019

Southside Plaza 704-744 Foote Avenue Jamestown, New York

ATC PROJECT NUMBER NPKMCL 1903

00

SS-6

SCALE Not to Scale



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)

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	MW - 1	MW - 2	MW - 4	MW-DUP (MW - 4)	MW - 6	MW - 7	MW - 9	MW - 10A
Lab Sample Number	Standards	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 Compo	unds (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 C	Semi-Volatile Organic Compounds (SVOCs)								
1,4-Dioxane	NS	0.126 ^b	ND (0.048)	NA	NA	NA	NA	ND (0.049) ^D	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)

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	MW - 12	MW - 13	MW - 14	FIELD BLANK	TRIP BLANK			
Lab Sample Number	Standards	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 Compo	unds (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 C	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)

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

SOUTHSIDE PLAZA 704 FOOTE AVENUE JAMESTOWN, NEW YORK

Sample ID		MW - 1	MW - 2	MW - 9				
Lab Sample Number	PFAS Family	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		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	Perfluoroalkyl Carboxylates	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		1.74 J	1.51 J	1.31 J				
Perfluorohexanesulfonic acid		2.12	2.08	ND (1.2)				
Perfluoroheptanesulfonic acid	Perfluoroalkyl Sufonates	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	ND (4.0)	ND (4.0)	ND (4.8)				
EtFOSAA	acids	ND (4.0)	ND (4.0)	ND (4.8)				
6:2 Fluorotelomer sulfonate	Fluroinated Telomer	ND (2.0)	ND (2.0)	6.18 J				
8:2 Fluorotelomer sulfonate	Sulfonates	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.

B - Analyte found in associated method blank

Bold = Concentration detected above the method detection limit

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.

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

MW-1

(12:45

Site Name:

Location ID:

Pump Style:

Sample ID:

Sampler(s)

Parameter(s) Types Collected:

VOC, EMERGING CONTAMINATS, PERS Purge Rate Total Sp. Depth to Temp.x Turbidity Time DO (100 - 500 Purge pHx Cond. ORP (mV) Water Comments С (NTUs) (mg/L)mL/min) (L) (mS/cm)_x **Stabilization Requirements** ± 10mV or ±5 C ± 0.1 ± 3% <10 NTU ±0.3 mg/L 10% 11:20 6.87 150 11:30 1.5.85 99 317 211 .2,2 0. 11:35 202 6. 5% 646 69 -217 210 1 11:40 10.38 95 2,25 1.13 6. -18.4 111 11:45 GAZ 6:34 233 1.39 75 -16.8 11:55 692 10:37 2.45 43 12. 1.03 .____ 12:10 181.34 .90 2.54 195 99 7 12:25 10:31 6.89 -18.9 2,49. -89 10 12:35 6.88 10:29 2.47 ,83 9 -,18,7

10:23

4

6.87

2.49

3

, 37

-18,6

Additional Comments:

12:49

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM Date: 4/いきだり

MW.2 (5:00)

Site Name:

Location ID:

Pump Style:

Sample ID:

Sampler(s) JS

Parameter(s) Types Collected: VOC, CMGRGUNG CONTAMINGS PPSAS

Time	Purge Rate (100 500 mL/min)	Total Purge (L)	Depth to Water	Temp. _× C	pHx	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
S	tabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			4.78							
3:29	150			15:13	6.93	1.49	360	7.44	-29.4	
3:35				10:00	6.96	1.41	211	6.56	-30.6	
3:50			Production of Production	10:17	6.99	1,1	146	4.79	-32,8	
4:10			and the second se	10.17	7.04	1.02	72	4.37	- 33.1	
4:20				10:26	7,10	. 465	21	4,51	-31,9	
4:30			-	1.0:33	2:13	+953	10	4,93	-29.5	
1-45				10:31	7,13	,952	10	5.15	-28.9	
5:00			V	10:31	7.14	- 952	Б	5-19	- 27.6	· · · · · · · · · · · · · · · · · · ·
								· · · · ·		·····

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19 Site Name:

Location ID:

Pump Style:

Sample ID:

(DUP MW-4

Sampler(s) $\int \zeta$

Parameter(s) Types Collected: $\mathit{V} \heartsuit \mathit{C}$

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	рНҳ	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
S	tabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
2:40			5,10							
2:50	150		We many	0,70	6.41	,228	317	3.50	32.6	
3:05				7.20	6.37	115.	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	1.55	
3:50				6.93	6.41	.209	53	1.80	36.4	•
4:00			a a start a st	6.93	6.44	.207	23	1,77	36.7	
1:15			A STATE OF STATE	6.92	6.43	,206	10	1.67	36.1	
4:35			20 years	6.92	6.44	,200	10	1.66	36.4	
4:50			Y	6.91	6.43	,201	IP	1.65	36.6	
Additional Com-								······ V		

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) $\int \int$ Parameter(s) Types Collected: $\lor \circ \subset$

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp. _x C	рН _х	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
S	tabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			3.83						e Service Service	
1:20	200/min]	9.75	7,10	1.54	117	1.61	-1.9	
1:30				9.65	7.17	1.463	101	.97	-8.g	
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	9.25	1,10	13	.7(-15.0	-
2:30	(x		9.65	7.24	1,16	9	071	-15,8	
2:45				9.62	7.24	1.14	13	. 20	-10.8	
3:00	J.			9.68	7,27	1.13	0	,66	- 18.2	
								<u> </u>		······································

Additional Comments:

12.2

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM

Date: 4/17/19 Site Name:

Location ID: Pump Style: M W -

2:15

Sample ID:

Sampler(s) JC Parameter(s) Types Collected: VOC

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	рН×	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
	Stabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	· · · · · · · · · · · · · · · · · · ·
1:05			9.66							and a second
1:15	200			10.3	6-98	&Z d	290	5.73	25.6	
05:1				9:57	6.76	,676	130	4.22	-5.2	
1:25				0-90	6.75	,655	101	3.57	4,6	·
1:35				8190	6.69	.676	62	2.68	9.5	
1:50			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0,89	(.58	.718		1-98	13.2	•
2:00				9.09	6.51	.713	9	1.(6	14.7.	
2:10			,	9.10	6.50	.707	9	1.57	14.9	
2:15	V			9.16		-706	9	1.56	15.3	
				-						
			······							

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM Date: 4/17/19

(9:30)

Site Name:

Location ID: Mw - 9 Pump Style:

Sample ID:

Sampler(s)

26 Parameter(s) Types Collected: V 0 C

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp. _× C	рН×	Sp. Cond. (mS/cm)x	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
N	itabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
8-40			3.70							
8:40	100		3.3	3.40	7-30	0-186	127	1.10	22.0	
91-50	100		3. I	7,84	7.07	0.192	67	13.93	19,5	
9.00	COI		3.2	7.81	7.07	0.143	51	13.52	~ ~	
9:10	100		3.2	7,83	7.07	0.193	31	13.17	21.2	
9-20	r00		3.2	7.80	7.07	0.192	10	(3.4	26.0	
9:25	106		1.2	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	
								4		

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM Date: イバフ バック

Site Name:

Location ID:

Pump Style: Sample ID: M 10 - 10A 10 - 55

Sampler(s) 15

Parameter(s) Types Collected: 1/0 C

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	рН×	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
	itabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
9:40		Most states	3,52							
9:44	140		· · · · · ·	10:83	7.64	.619	210	15.6	44.1	
9:50				1.92	7.61	0314	10	11,75		
D:55				7.87	7.60	, 184	60	11.71	48.7	
10:05				7.79	7.51	, 183	37	11,69	48.6	
10:15				7.73	7:55	.180	17	11.70	A.g.D	•
10:30		· · · · · · · · · · · · · · · · · · ·	-	7.76	7,56	1131	9	11,79	49.1.	·····
10:40				7.77	7.57	1183.	9	112,71	49,D	·····
10:55			V	7.73	7.53	,182	9	11,14	48.1	
Additional Qu										

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM Date: 4/18/19

(1:00

Site Name:

Location ID:

Pump Style:

Sample ID:

Sampler(s)

Parameter(s) Types Collected: VO C

Mw-12

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	рН∗	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
S	tabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			2.91							
12:00				15,27	3,42	,561	300	11,98	-12A	
.12:10				15, 14	7.43	,691	325	7.64	- 5.0	
12:20				15.13	7,47	1694	2:00	7.52	-417	
12:30				15.07	7.42	,699	147	5.11	~ 7.0	
12:40			4m	15.17	7.41	.700	27	5.0}	-3.1	•
12:50			-	15.04	7.43	,639	27	4.93	- 8.7	
1:00				15:10	7.46	.671	26	4.80	-9.2	
dditional Comm										

USED PERISTALTIC PUMP AND RUBBAR TUBING (IIN Well) BASED ON WATER WELL VOLUME, TURPINY WAS NOT ABLE TO BE Raduced

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM 4/18/19

1-40

Date: Site Name:

Location ID:

Pump Style:

Sample ID:

Sampler(s)

Parameter(s) Types Collected: UoC

15

Mw-

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	рН∗	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
S	tabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			4,17				5			
10:20	- 103			15.93	7.53	.945	210	4.09	-4,8	
10:40	1			15.87	7.36	.950	115	2,36	-75	
10:50				15.86	7.34	,949	75	2.29	- 8,75	
11:00				15.85	7,32	,942	45	1,92	-10.5	
111.20	n se			15.84	7.33	. 941	42	1.82	= 10.0	•
11:30				15,81	7.30	,931	39	1.78	-11.0	
11:40	V		V.	15.70	7.29	,930	37	1.77	-11.2	
										····

PERISTRUTIC PUMP AND TUBING (I IN WEII)

LOW FLOW WELL PURGING AND FIELD WATER QUALITY MEASUREMENT FORM Date: 4/18/19

MW-14 (10:00)

Site Name:

Location ID:

Pump Style:

Sample ID:

Sampler(s) J. S Parameter(s) Types Collected: Vic

Time	Purge Rate (100 – 500 mL/min)	Total Purge (L)	Depth to Water	Temp.x C	рНх	Sp. Cond. (mS/cm)×	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	Comments
S	Stabilization Req	uirements		±5 C	± 0.1	± 3%	<10 NTU	±0.3 mg/L	± 10mV or 10%	
			5,12			an all includes all a		er iniger		
9:00				13,20	7.66	, 890	180	9.81	-34.6	
9:10				18.29	7.05	. 957	110	5.50	-323	
9:20				15.23	671	.874	60	4,29	-14	
9:35				18127	6.72	,79%	47	3.29	-12A	
9:45				18.01	6.67	,157	33	2.11	-11.4	•
9:55	- -	×		18.05	6.68	.153	32	2.05	- 11.1	
10:00				17.89	6.66	750	29	2.01	-10.0	
			÷ +							
			-					···		······································

PERISTALTIC PUMP AND TUBING (IIN Well)

APPENDIX B

GROUNDWATER SAMPLING LABORATORY REPORTS



Dayton, NJ

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

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



TUATE

Brian McGuire General Manager

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.

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)

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SGS North America Inc. • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499



and/or state specific certification programs as applicable.

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Please share your ideas about how we can serve you better at: EHS.US.CustomerCare@sgs.com



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05/20/19 e-Hardcopy 2.0

Automated Report

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Sample Summary

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Sample Collected Matrix Client Number Sample ID Date Time By **Received Code Type** 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 MW-4 **Ground Water** JC86738-4 04/18/19 15:00 JS MW-6 04/20/19 AQ **Ground Water** JC86738-5 04/17/19 14:15 JS 04/20/19 AQ **Ground Water MW-7** JC86738-6 04/17/19 09:30 JS **Ground Water MW-9** 04/20/19 AQ 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**



3 of 62

Job No: JC8

JC86738

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

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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 Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Tetrachloroethene Trichloroethene ^a	27100 88.7	200 50	180 26	ug/l ug/l	SW846 8260C 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 Chloroform	1.0 4.9	1.0 1.0	0.58 0.50	ug/l ug/l	SW846 8260C 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.

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Dayton, NJ

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Sample Results

Report of Analysis





		Report	UI AI	11a1 y 515			Page 1 of
Client Sam Lab Sample Matrix: Method:	e ID: JC86738-1 AQ - Ground Water SW846 8260C				Date	1	l/17/19 l/20/19 a
Project:	South Side Plaza, Ja	amestown, NY					
D	File ID DF	Analyzed	By	Prep D	ate	Prep Batch	Analytical Batch
Run #1 ^a	3D146900.D 10	04/22/19 22:22		n/a		n/a	V3D6280
Run #2	3D146901.D 50	04/22/19 22:48	РК	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		

Report of Analysis

RL = **Reporting Limit**

MDL = Method Detection Limit

E = Indicates value exceeds calibration range

ND = Not detected

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Page 1 of 2

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Client Samp Lab Sample Matrix: Method: Project:		estown, NY			Da	te Sam te Rece cent S	eived:	04/17/19 04/20/19 n/a
VOA TCL I	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	Lim	its			
1868-53-7	Dibromofluoromethane	99%	100%	80-1	20 %			
17060-07-0	1,2-Dichloroethane-D4	93%	94%	81-1	24%			
2037-26-5	Toluene-D8	101%	101%	80-1	20%			
460-00-4	4-Bromofluorobenzene	97 %	98 %	80-1	20%			
CAS No.	Tentatively Identified Comp	ounds	R.T.	Est.	Conc.	Units	Q	
	system artifact		1.47	100		ug/l	J	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Diluted due to high concentration of target compound.

(b) Associated CCV outside of control limits low.

(c) Result is from Run# 2

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Keport	of Alla	alysis		Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JC8673 AQ - C SW846	38-1 Ground Wat 3 8270D BY	ter Y SIM SW846 351 Jamestown, NY	10C	Da	1	l/17/19 l/20/19 'a
	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 14:4	0 OP19908A	E3P3587
Run #2 ^a	4M83492.D	1	04/26/19 06:20	CS	04/25/19 16:3	5 OP19977A	E4M3890
Run #1 Run #2	Initial Volume 1050 ml 1010 ml	Final V 1.0 ml 1.0 ml	olume				
CAS No.	Compound		Result	RL	MDL Unit	s Q	
123-91-1	1,4-Dioxane ^b		0.126	0.095	0.046 ug/l		
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Limits		
4165-60-0 321-60-8 1718-51-0	Nitrobenzene- 2-Fluorobiphe Terphenyl-d14	nyl	65% 56% 88%	89% 79% 102%	29-124% 23-122% 22-130%		

Report of Analysis

(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**

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JC8673 AQ - G SW846	8-1 round Water -8011 SW846 ide Plaza, Jam				Date	Received: (04/17/19 04/20/19 n/a
Run #1 Run #2	File ID 7G32140.D		Analyzed 94/25/19 17:20	By VDT	Prep Da 04/24/19		Prep Batch OP19903	Analytical Batch G7G1136
Run #1 Run #2	Initial Volume 34 ml	Final Volum 2.0 ml	ne					
VOA List CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		e ND ND	0.021 0.021	0.0089 0.0055	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		149% ^a 131%		20-14 20-14			

(a) Outside control limits due to matrix interference.

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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			Report	of A	nalysis			Page 1 of 2
Client Sam	ple ID: MW-2							
Lab Sampl	-					Date	e Sampled: 04	/18/19
Matrix:	AQ - Ground V	Vater					-	/20/19
Method:	SW846 8260C						ent Solids: n/	a
Project:	South Side Plaz	za, Ja	mestown, NY					-
	File ID DF		Analyzed	By	Prep D	ate	Prep Batch	Analytical Batch
Run #1 ^a	L311347.D 4		04/23/19 12:26		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	Bromodichloromethan	p.	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	2.2	ug/l		
67-66-3	Chloroform		ND	4.0	2.0	ug/l		
74-87-3	Chloromethane		ND	4.0	2.0 3.0	ug/l		
110-82-7	Cyclohexane		ND	20	3.0 3.1	ug/l		
124-48-1	Dibromochloromethan	•	ND	4.0	2.2			
95-50-1	1,2-Dichlorobenzene	e	ND	4.0	2.2	ug/l ug/l		
541-73-1	1,3-Dichlorobenzene		ND	4.0	2.1	ug/l		
106-46-7	1,4-Dichlorobenzene		ND	4.0	2.0			
75-71-8	Dichlorodifluorometha	no	ND	4.0 8.0	2.0 5.4	ug/l ug/l		
75-34-3	1,1-Dichloroethane	ne	ND	4.0	3.4 2.3	0		
75-54-5 107-06-2	1,2-Dichloroethane		ND	4.0	2.3 2.4	ug/l		
75-35-4	1,1-Dichloroethene		ND	4.0	2.4	ug/l		
75-55-4 156-59-2	cis-1,2-Dichloroethene		ND 4.4			ug/l		
	trans-1,2-Dichloroethe			4.0	2.0 2.1	ug/l		
156-60-5	-	ne	ND ND	4.0	2.1 2.0	ug/l		
78-87-5 10061-01-5	1,2-Dichloropropane cis-1,3-Dichloroprope		ND	4.0		ug/l		
10061-01-5	· · ·		ND	4.0	1.9 1.7	ug/l		
10061-02-6	trans-1,3-Dichloroproj Ethylbenzene	Jene	ND	4.0 4.0	1.7 2.4	ug/l		
100-41-4 76-13-1	Freon 113		ND	4.0 20	2.4 7.8	ug/l		
	Preon 113 2-Hexanone			20 20		ug/l		
591-78-6			ND ND		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		

MDL = Method Detection Limit ND = Not detected **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

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Client Samp Lab Sample Matrix: Method: Project:		estown, NY			Date Sampled: Date Received: Percent Solids:			04/18/19 04/20/19 n/a
VOA TCL I	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	Lin	nits			
1868-53-7	Dibromofluoromethane	89 %	97 %	80- 1	120 %			
17060-07-0	1,2-Dichloroethane-D4	90%	95 %	81- 1	124%			
2037-26-5	Toluene-D8	107%	101%	80- 1	120%			
460-00-4	4-Bromofluorobenzene	96 %	96 %	80-1	120%			
CAS No.	No. Tentatively Identified Compo		R.T.	Est	Conc.	Units	Q	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Diluted due to high concentration of target compound.

(b) Associated CCV outside of control limits low.

(c) Result is from Run# 2

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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			Report	of Ana	alysis			Page 1 of 1	
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JC8673 AQ - C SW846	38-2 Ground Wate 6 8270D BY	r SIM SW846 35 amestown, NY	10C	Date Sampled: 04/18/19 Date Received: 04/20/19 Percent Solids: n/a				
Run #1 Run #2	File ID 4M83423.D	DF 1	Analyzed 04/24/19 13:37	By CC	Prep Da 04/23/1		Prep Batch OP19939A	Analytical Batch E4M3888	
Run #1 Run #2	Initial Volume 1020 ml	Final Vol 1.0 ml	ume						
CAS No.	Compound		Result	RL	MDL	Units	Q		
123-91-1	1,4-Dioxane		ND	0.098	0.048	ug/l			
CAS No.	Surrogate Re	coveries	Run# 1	Run# 2	Limi	its			
4165-60-0 321-60-8 1718-51-0	Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14		74% 73% 91%		29-12 23-12 22-13	22%			

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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RL = **Reporting Limit**

E = Indicates value exceeds calibration range

			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JC8673 AQ - G SW846	8011 estown, NY			04/18/19 04/20/19 n/a			
Run #1 Run #2	File ID 7G32141.D		Analyzed 14/25/19 17:39	By VDT	Prep Da 04/24/19		Prep Batch OP19903	Analytical Batch G7G1136
Run #1 Run #2	Initial Volume 34 ml	Final Volun 2.0 ml	ie					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		e ND ND	0.021 0.021	0.0089 0.0055	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6			141% 160% ^a		20-14 20-14			

(a) Outside control limits due to matrix interference.

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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		Report	of Aı	nalysis			Page 1 of 2
Client Sam Lab Sample Matrix: Method: Project:	ple ID: MW-4 e ID: JC86738-3 AQ - Ground Water SW846 8260C South Side Plaza, Ja				Date	-	/17/19 /20/19 a
Run #1 Run #2	File ID DF 3D146910.D 1	Analyzed 04/23/19 02:34	By PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1 71-43-2 74-97-5	Acetone Benzene Bromochloromethane	ND ND ND	10 0.50 1.0	6.0 0.43 0.48	ug/l ug/l ug/l		
75-27-4 75-25-2 74-83-9	Bromodichloromethane Bromoform Bromomethane ^a	ND ND ND	1.0 1.0 2.0	0.58 0.63 1.6	ug/l ug/l ug/l		
78-93-3 75-15-0 56-23-5	2-Butanone (MEK) Carbon disulfide Carbon tetrachloride	ND ND ND	10 2.0 1.0	6.9 0.95 0.55	ug/l ug/l ug/l		
108-90-7 75-00-3 67-66-3	Chlorobenzene Chloroethane Chloroform	ND ND ND	1.0 1.0 1.0	0.56 0.73 0.50	ug/l ug/l ug/l		
74-87-3 110-82-7 124-48-1	Chloromethane Cyclohexane Dibromochloromethane	ND ND ND	1.0 5.0 1.0	0.76 0.78 0.56	ug/l ug/l ug/l		
95-50-1 541-73-1 106-46-7	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND ND	1.0 1.0 1.0	0.53 0.54 0.51	ug/l ug/l ug/l		
75-71-8 75-34-3 107-06-2	Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane	ND ND ND	2.0 1.0 1.0	1.4 0.57 0.60	ug/l ug/l ug/l		
75-35-4 156-59-2	1,1-Dichloroethene cis-1,2-Dichloroethene	ND ND	1.0 1.0	0.59 0.51	ug/l ug/l		
156-60-5 78-87-5 10061-01-5	trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans 1.2 Dichloropropene	ND ND ND	1.0 1.0 1.0	0.54 0.51 0.47	ug/l ug/l ug/l		
10061-02-6 100-41-4 76-13-1 591-78-6	trans-1,3-Dichloropropene Ethylbenzene Freon 113 2-Hexanone	ND ND ND ND	1.0 1.0 5.0 5.0	0.43 0.60 1.9 2.0	ug/l ug/l ug/l ug/l		
98-82-8 79-20-9	Isopropylbenzene Methyl Acetate	ND ND ND	5.0 1.0 5.0	0.65 0.80	ug/l ug/l		

MDL = Method Detection Limit ND = Not detected

RL = **Reporting Limit**

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

Client Sample ID: MW-4 Lab Sample ID: JC86738-3 Matrix: AQ - Ground Water Method: SW846 8260C Project: South Side Plaza, Jame					Date	Sampled Received ent Solids	: 04/20/19
VOA TCL I	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
08-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l		
634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l		
08-10-1	4-Methyl-2-pentanone(MIE	BK) ND	5.0	1.9	ug/l		
5-09-2	Methylene chloride	ND	2.0	1.0	ug/l		
00-42-5	Styrene	ND	1.0	0.70	ug/l		
9-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l		
27-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l		
08-88-3	Toluene	ND	1.0	0.53	ug/l		
7-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l		
20-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l		
1-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l		
9-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l		
9-01-6	Trichloroethene	ND	1.0	0.53	ug/l		
5-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l		
5-01-4	Vinyl chloride	ND	1.0	0.79	ug/l		
	m,p-Xylene	ND	1.0	0.78	ug/l		
5-47-6	o-Xylene	ND	1.0	0.59	ug/l		
330-20-7	Xylene (total)	ND	1.0	0.59	ug/l		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its		
868-53-7	Dibromofluoromethane	98 %		80-1	20%		
7060-07-0	1,2-Dichloroethane-D4	96%		81-1	24%		
037-26-5	Toluene-D8	101%		80-1	20%		
60-00-4	4-Bromofluorobenzene	96%		80-1	20%		
CAS No.	Tentatively Identified Con	npounds	R.T.	Est.	Conc.	Units Q	
	system artifact		1.48	27	I	ıg/l J	
	Total TIC, Volatile			0		1g/l	

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of An	alysis			Page 1 of 1	
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JC8673 AQ - G SW846	8-3 round Water -8011 SW846 Side Plaza, Jame			Date Sampled: 04/17/19 Date Received: 04/20/19 Percent Solids: n/a				
Run #1 Run #2	File ID 7G32142.D		Analyzed 4/25/19 17:58	By VDT	Prep Da 04/24/19		Prep Batch OP19903	Analytical Batch G7G1136	
Run #1 Run #2	Initial Volume 34 ml	Final Volum 2.0 ml	e						
VOA List									
CAS No.	Compound		Result	RL	MDL	Units	Q		
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet	-chloropropane hane	ND ND	0.021 0.021	0.0089 0.0055	ug/l ug/l			
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Limi	its			
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		112% 106%		20-14 20-14				

MDL = Method Detection Limit ND = Not detected **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



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		Report	of A	nalysis			Page 1 of 2
Client Sam	-						
Lab Sample						-	/18/19
Matrix:	AQ - Ground Water	r					/20/19
Method:	SW846 8260C				Perc	ent Solids: n/	а
Project:	South Side Plaza, Ja	amestown, NY					
	File ID DF	Analyzed	By	Prep D	ate	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	· · · ·	ND	4.0	1.7	ug/l		
100-41-4	Ethylbenzene	ND ND	4.0 20	2.4	ug/l		
76-13-1 501 78 6	Freon 113	ND ND	20 20	7.8 9 1	ug/l		
591-78-6 98-82-8	2-Hexanone Isopropylbonzono	ND ND	20 4.0	8.1 2.6	ug/l		
	Isopropylbenzene Methyl Acetate				ug/l		
79-20-9	Methyl Acetate	ND	20	3.2	ug/l		

RL = **Reporting Limit**

MDL = Method Detection Limit

E = Indicates value exceeds calibration range

ND = Not detected

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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J = Indicates an estimated value

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Client Sample ID: MW-6 Lab Sample ID: JC86738-4 Matrix: AQ - Ground Water Method: SW846 8260C Project: South Side Plaza, Jam			stown, NY			Date Sampled: Date Received: Percent Solids:			04/18/19 04/20/19 n/a	
VOA TCL I	List									
CAS No.	Compo	und	Result	RL	M	DL	Units	Q		
108-87-2	Methylo	cyclohexane	ND	20	2.4	1	ug/l			
1634-04-4	Methyl	Tert Butyl Ether	ND	4.0	2.(ug/l			
108-10-1	4-Methy	yl-2-pentanone(MIBK)	ND	20	7.4	1	ug/l			
75-09-2	Methyle	ene chloride	ND	8.0	4.()	ug/l			
100-42-5	Styrene		ND	4.0	2.8	3	ug/l			
79-34-5	1,1,2,2	-Tetrachloroethane	ND	4.0	2.6	3	ug/l			
127-18-4	Tetrach	loroethene	1620 ^c	10	9.()	ug/l			
108-88-3	Toluene	<u>e</u>	ND	4.0	2.1	L	ug/l			
87-61-6		richlorobenzene	ND	4.0	2.()	ug/l			
120-82-1	1,2,4-T	richlorobenzene	ND	4.0	2.()	ug/l			
71-55-6	1,1,1-T	richloroethane	ND	4.0	2.1	L ·	ug/l			
79-00-5		richloroethane	ND	4.0	2.1	L ·	ug/l			
79-01-6	Trichlo	roethene	24.4	4.0	2.1	L	ug/l			
75-69-4	Trichlo	rofluoromethane	ND	8.0	3.3	3	ug/l			
75-01-4	Vinyl cl	hloride	ND	4.0	3.1	L ·	ug/l			
	m,p-Xy	lene	ND	4.0	3.1	L ·	ug/l			
95-47-6	o-Xylen	ie	ND	4.0	2.4		ug/l			
1330-20-7	Xylene	(total)	ND	4.0	2.4		ug/l			
CAS No.	Surroga	ate Recoveries	Run# 1	Run# 2		Limits	5			
1868-53-7	Dibrom	ofluoromethane	92%	98 %		80-120)%			
17060-07-0	1,2-Dic	hloroethane-D4	94%	94%		81-12 4	1%			
2037-26-5	Toluene	e-D8	106%	101%		80-120)%			
460-00-4	4-Brom	ofluorobenzene	95%	96 %		80-120)%			
CAS No.	Tentati	vely Identified Compo	ounds	R.T.		Est. C	onc.	Units	Q	
	Total T	IC, Volatile				0		ug/l		

Report of Analysis

(a) Diluted due to high concentration of target compound.

(b) Associated CCV outside of control limits low.

(c) Result is from Run# 2

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of An	alysis			Page 1 of 1
	Method: SW846-8011 SW846 Project: South Side Plaza, Jan File ID DF					04/18/19 04/20/19 n/a		
Run #1 Run #2	File ID 7G32143.D		Analyzed 94/25/19 18:17	By VDT	Prep Da 04/24/19		Prep Batc OP19903	h Analytical Batch G7G1136
Run #1 Run #2	Initial Volume 34 ml	Final Volun 2.0 ml	ie					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		e ND ND	0.021 0.021	0.0090 0.0055	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6	2-Bromo-1-chloropropane 2-Bromo-1-chloropropane		223% ^a 162% ^a		20-14 20-14			

(a) Outside control limits due to matrix interference.

- **J** = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound

		Report	of A	nalysis			Page 1 of 2		
Client Sam Lab Sampl Matrix: Method: Project:			Date Sampled: Date Received: Percent Solids: Y			Received:	04/17/19 04/20/19 n/a		
Run #1 Run #2	File ID DF 3D146907.D 1	Analyzed 04/23/19 01:19	By) PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280		
Run #1 Run #2	Purge Volume 5.0 ml								
VOA TCL	List								
CAS No.	Compound	Result	RL	MDL	Units	Q			
67-64-1 71-43-2	Acetone Benzene	ND ND	10 0.50	6.0 0.43	ug/l ug/l				
74-97-5 75-27-4	Bromochloromethane Bromodichloromethane	ND ND	1.0 1.0	0.48 0.58	ug/l ug/l				
75-25-2 74-83-9	Bromoform Bromomethane ^a	ND ND	1.0 2.0	0.63 1.6	ug/l ug/l				
78-93-3 75-15-0	2-Butanone (MEK) Carbon disulfide	ND ND	10 2.0	6.9 0.95	ug/l ug/l				
56-23-5 108-90-7	Carbon tetrachloride Chlorobenzene	ND ND	1.0 1.0	0.55 0.56	ug/l ug/l				
75-00-3 67-66-3	Chloroethane Chloroform	ND ND	1.0 1.0	0.73 0.50	ug/l ug/l				
74-87-3 110-82-7	Chloromethane Cyclohexane	ND ND	1.0 5.0	0.76 0.78	ug/l ug/l				
124-48-1 95-50-1	Dibromochloromethane 1,2-Dichlorobenzene	ND ND	1.0 1.0	0.56 0.53	ug/l ug/l				
541-73-1 106-46-7	1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND	1.0 1.0	0.54 0.51	ug/l ug/l				
75-71-8 75-34-3	Dichlorodifluoromethane 1,1-Dichloroethane	ND ND	2.0 1.0	1.4 0.57	ug/l ug/l				
107-06-2 75-35-4	1,2-Dichloroethane 1,1-Dichloroethene	ND ND	1.0 1.0	0.60 0.59	ug/l ug/l				
156-59-2 156-60-5	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	ND ND	1.0 1.0	0.51 0.54	ug/l ug/l				
78-87-5 10061-01-5		ND ND	1.0 1.0	0.51 0.47	ug/l ug/l				
10061-02-6 100-41-4 76 12 1	trans-1,3-Dichloropropene Ethylbenzene Freon 113	ND ND ND	1.0 1.0 5.0	0.43 0.60	ug/l ug/l				
76-13-1 591-78-6 98-82-8	Freon 113 2-Hexanone Isopropylbenzene	ND ND ND	5.0 5.0 1.0	1.9 2.0 0.65	ug/l ug/l ug/l				
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l				

 $ND = Not \ detected$ MDL = Method Detection Limit

RL = **Reporting Limit**

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

Client Samp Lab Sample Matrix: Method: Project:					Date Sampled: Date Received: Percent Solids:			04/17/19 04/20/19 n/a
VOA TCL I	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
08-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l			
634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l			
08-10-1	4-Methyl-2-pentanone(MIB	K) ND	5.0	1.9	ug/l			
5-09-2	Methylene chloride	ND	2.0	1.0	ug/l			
00-42-5	Styrene	ND	1.0	0.70	ug/l			
9-34-5	-		1.0	0.65	ug/l			
27-18-4	Tetrachloroethene	15.6	1.0	0.90	ug/l			
08-88-3	Toluene	ND	1.0	0.53	ug/l			
7-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l			
20-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l			
1-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l			
9-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l			
9-01-6	Trichloroethene	ND	1.0	0.53	ug/l			
5-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l			
5-01-4	Vinyl chloride	ND	1.0	0.79	ug/l			
	m,p-Xylene	ND	1.0	0.78	ug/l			
5-47-6	o-Xylene	ND	1.0	0.59	ug/l			
330-20-7	Xylene (total)	ND	1.0	0.59	ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its			
868-53-7	Dibromofluoromethane	99 %		80-1	20%			
7060-07-0	1,2-Dichloroethane-D4	96%		81-1	24%			
037-26-5	Toluene-D8	100%		80-1	20%			
60-00-4	4-Bromofluorobenzene	97 %		80-1	20%			
CAS No.	Tentatively Identified Con	npounds	R.T.	Est.	Conc.	Units (2	
	system artifact		1.48	37	I	ug/l J	ſ	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JC8673 AQ - G SW846	8-5 round Water -8011 SW846 ide Plaza, Jam				4/17/19 4/20/19 /a		
Run #1 Run #2	File ID 7G32144.D		Analyzed 14/25/19 18:36	By VDT	Prep Da 04/24/19		Prep Batch OP19903	Analytical Batch G7G1136
Run #1 Run #2	Initial Volume 34 ml	Final Volum 2.0 ml	ie					
VOA List CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		ND ND	0.021 0.021	0.0090 0.0055	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6			169% ^a 104%		20-14 20-14			

(a) Outside control limits due to matrix interference.

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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		Report	of Aı	nalysis			Page 1 of 2
Client Sam Lab Sample Matrix: Method: Project:	-				Date	-	/17/19 /20/19 a
Run #1 Run #2	File ID DF 3D146908.D 1	Analyzed 04/23/19 01:44	By PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1 71-43-2	Acetone Benzene	ND ND	10 0.50	6.0 0.43	ug/l ug/l		
74-97-5 75-27-4	Bromochloromethane Bromodichloromethane	ND ND	1.0 1.0	0.48 0.58	ug/l ug/l		
75-25-2 74-83-9	Bromoform Bromomethane ^a	ND ND	1.0 2.0	0.63 1.6	ug/l ug/l		
78-93-3 75-15-0	2-Butanone (MEK) Carbon disulfide	ND ND	10 2.0	6.9 0.95	ug/l ug/l		
56-23-5 108-90-7	Carbon tetrachloride Chlorobenzene	ND ND	1.0 1.0	0.55 0.56	ug/l ug/l		
75-00-3 67-66-3 74-87-3	Chloroethane Chloroform Chloromethane	ND ND ND	1.0 1.0 1.0	0.73 0.50 0.76	ug/l ug/l		
110-82-7 124-48-1	Cyclohexane Dibromochloromethane	ND ND ND	1.0 5.0 1.0	0.78 0.56	ug/l ug/l ug/l		
95-50-1 541-73-1	1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND	1.0 1.0 1.0	0.53 0.54	ug/l ug/l		
106-46-7 75-71-8	1,4-Dichlorobenzene Dichlorodifluoromethane	ND	1.0 2.0	0.51 1.4	ug/l ug/l		
75-34-3 107-06-2	1,1-Dichloroethane 1,2-Dichloroethane	ND ND	1.0 1.0	0.57 0.60	ug/l ug/l		
75-35-4 156-59-2	1,1-Dichloroethene cis-1,2-Dichloroethene	ND ND	1.0 1.0	0.59 0.51	ug/l ug/l		
156-60-5 78-87-5	trans-1,2-Dichloroethene 1,2-Dichloropropane	ND	1.0 1.0	0.54 0.51	ug/l ug/l		
10061-01-5 10061-02-6	cis-1,3-Dichloropropene trans-1,3-Dichloroproper		1.0 1.0	0.47 0.43	ug/l ug/l		
100-41-4 76-13-1 591-78-6	Ethylbenzene Freon 113 2-Hexanone	ND ND ND	1.0 5.0 5.0	0.60 1.9 2.0	ug/l ug/l ug/l		
98-82-8 79-20-9	Isopropylbenzene Methyl Acetate	ND ND	1.0 5.0	0.65 0.80	ug/l ug/l		

MDL = Method Detection Limit ND = Not detected

RL = **Reporting Limit**

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

E = Indicates value exceeds calibration range

Client Sample ID: MW-9 Lab Sample ID: JC86738-6 Matrix: AQ - Ground Water Method: SW846 8260C Project: South Side Plaza, James VOA TCL List					Date Sar Date Rec Percent		eceived:	04/17/19 04/20/19 n/a
VOA TCL I	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
08-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l			
634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l			
08-10-1	4-Methyl-2-pentanone(MIB	K) ND	5.0	1.9	ug/l			
5-09-2	Methylene chloride	ND	2.0	1.0	ug/l			
00-42-5	Styrene	ND	1.0	0.70	ug/l			
9-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l			
27-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l			
08-88-3	Toluene	ND	1.0	0.53	ug/l			
7-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l			
20-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l			
1-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l			
9-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l			
9-01-6	Trichloroethene	ND	1.0	0.53	ug/l			
5-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l			
5-01-4	Vinyl chloride	ND	1.0	0.79	ug/l			
	m,p-Xylene	ND	1.0	0.78	ug/l			
5-47-6	o-Xylene	ND	1.0	0.59	ug/l			
330-20-7	Xylene (total)	ND	1.0	0.59	ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its			
868-53-7	Dibromofluoromethane	100%		80 -1	2 0 %			
7060-07-0	1,2-Dichloroethane-D4	96%		81 -1	24%			
037-26-5	Toluene-D8	100%		80 -1	2 0 %			
60-00-4	4-Bromofluorobenzene	97 %			2 0 %			
CAS No.	Tentatively Identified Cor	npounds	R.T.	Est.	Conc.	Units	Q	
	system artifact		1.47	21		ug/l	J	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of Ana	alysis		Page 1 of 1		
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JC8673 AQ - G SW846	round Water 8270D BY	r SIM SW846 351 amestown, NY	10C	Date Sampled: 04/17/19 Date Received: 04/20/19 Percent Solids: n/a				
Run #1 Run #2 ^a	File ID DF 3P76582.D 1 4M83493.D 1		Analyzed 04/24/19 18:19 04/26/19 06:41		Prep Date Prep Batch 04/23/19 14:40 OP19908A 04/25/19 16:35 OP19977A		Analytical Batch E3P3587 E4M3890		
Run #1 Run #2	Initial Volume 990 ml 950 ml	Final Vol 1.0 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				
4165-60-0 321-60-8 1718-51-0	8 2-Fluorobiphenyl		67% 61% 81%	83% 80% 109%	29-124% 23-122% 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**

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

			Report	of An	nalysis Page 1 o					
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JC8673 AQ - G SW846	8-6 round Water -8011 SW846 iide Plaza, Jame				Date	I	./17/19 ./20/19 a		
Run #1 Run #2	File ID 7G32145.D		nalyzed 4/25/19 18:55	By VDT	Prep Da 04/24/19		Prep Batch OP19903	Analytical Batch G7G1136		
Run #1 Run #2	Initial Volume 34 ml	Final Volum 2.0 ml	e							
VOA List										
CAS No.	Compound		Result	RL	MDL	Units	Q			
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		ND ND	0.021 0.021	0.0090 0.0055	ug/l ug/l				
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Limi	ts				
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		108% 102%		20-14 20-14					

MDL = Method Detection Limit ND = Not detected **RL** = **Reporting Limit E** = Indicates value exceeds calibration range

- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



		Report	of Aı	nalysis			Page 1 of 2
Client Sam Lab Sampl Matrix: Method: Project:	-				Date	-	l/17/19 l/20/19 a
Run #1 Run #2	File IDDF3D146909.D1	Analyzed 04/23/19 02:09	By PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1 71-43-2	Acetone Benzene	ND ND	10 0.50	6.0 0.43	ug/l 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 ND	1.0	0.51 1.4	ug/l		
75-71-8 75-34-3	Dichlorodifluoromethane 1,1-Dichloroethane	ND	2.0 1.0	1.4 0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.57	ug/l 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	0.55	ug/l		
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l		
78-87-5	1,2-Dichloropropane	ND	1.0	0.54	ug/l		
10061-01-5		ND	1.0	0.47	ug/l		
10061-02-6			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**

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

Client Sample ID: MW-10A Lab Sample ID: JC86738-7 Matrix: AQ - Ground Water Method: SW846 8260C Project: South Side Plaza, James VOA TCL List		nestown, NY			Dat	te Sampled: te Received: ccent Solids:		04/17/19 04/20/19 n/a
VOA TCL I	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l			
634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l			
08-10-1	4-Methyl-2-pentanone(MIBk		5.0	1.9	ug/l			
5-09-2	Methylene chloride	ND	2.0	1.0	ug/l			
00-42-5	Styrene	ND	1.0	0.70	ug/l			
9-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l			
27-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l			
08-88-3	Toluene	ND	1.0	0.53	ug/l			
7-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l			
20-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l			
1-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l			
9-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l			
9-01-6	Trichloroethene	ND	1.0	0.53	ug/l			
5-69-4	Trichlorofluoromethane	ND	2.0	0.84	ug/l			
5-01-4	Vinyl chloride	ND	1.0	0.79	ug/l			
	m,p-Xylene	ND	1.0	0.78	ug/l			
5-47-6	o-Xylene	ND	1.0	0.59	ug/l			
330-20-7	Xylene (total)	ND	1.0	0.59	ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its			
868-53-7	Dibromofluoromethane	100%		80 -1	2 0 %			
7060-07-0	1,2-Dichloroethane-D4	96%		81 -1	24%			
037-26-5	Toluene-D8	101%		80 -1	2 0%			
60-00-4	4-Bromofluorobenzene	96%		80 -1	2 0 %			
CAS No.	Tentatively Identified Com	pounds	R.T.	Est.	Conc.	Units	Q	
	system artifact		1.48	36		ug/l	J	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of An	nalysis Page 1 o					
	Aethod: SW846-8011 SW84 Project: South Side Plaza, Jar File ID DF Run #1 7G32146.D 1					Date	I	./17/19 ./20/19 a		
Run #1 Run #2	1.110 120		nalyzed 4/25/19 19:14	By VDT	Prep Da 04/24/19		Prep Batch OP19903	Analytical Batch G7G1136		
Run #1 Run #2	Initial Volume 34 ml	Final Volum 2.0 ml	e							
VOA List										
CAS No.	Compound		Result	RL	MDL	Units	Q			
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		ND ND	0.020 0.020	0.0089 0.0054	ug/l ug/l				
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts				
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		89% 83%		20-14 20-14					

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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		Report	of Aı	nalysis			Page 1 of 2
Client Sam	-						
Lab Sampl						1	/18/19
Matrix:	AQ - Ground Water	•					/20/19
Method:	SW846 8260C				Perc	ent Solids: n/	a
Project:	South Side Plaza, Ja	amestown, NY					
	File ID DF	Analyzed	By	Prep D	ate	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		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		

RL = **Reporting Limit E** = Indicates value exceeds calibration range

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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-	Method: SW846 8260C		stown, NY			Da	te Sam te Reco rcent S	eived:	04/18/19 04/20/19 n/a
VOA TCL I	List								
CAS No.	Comp	oound	Result	RL	MDL	Units	, Q		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l			
1634-04-4	Methy	l 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	Methy	Methylene chloride		2.0	1.0	ug/l			
100-42-5	Styren	Styrene		1.0	0.70	ug/l			
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l			
127-18-4	Tetrac	chloroethene	621 ^c	10	9.0	ug/l			
108-88-3	Toluer	ne	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	Trichl	oroethene	1.0	1.0	0.53	ug/l			
75-69-4	Trichl	orofluoromethane	ND	2.0	0.84	ug/l			
75-01-4	Vinyl	chloride	ND	1.0	0.79	ug/l			
	m,p-X	Yylene	ND	1.0	0.78	ug/l			
95-47-6	o-Xyle	ene	ND	1.0	0.59	ug/l			
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l			
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Lin	nits			
1868-53-7	Dibro	mofluoromethane	99 %	100%	80-	120%			
17060-07-0	1,2-Di	ichloroethane-D4	93 %	95 %	81-	124%			
2037-26-5	Toluer		102%	100%	80-	120 %			
460-00-4	4-Broi	4-Bromofluorobenzene		99 %	80-	120 %			
CAS No.	Tentatively Identified Compo		ounds	R.T.	Est	. Conc.	Units	Q	
	system	1 artifact		1.47	23		ug/l	J	
		TIC, Volatile		1.1/	0		ug/l	J	
	Total	iio, voluule			v		45/1		

Report of Analysis

(a) Diluted due to high concentration of non-target compound.

(b) Associated CCV outside of control limits low.

(c) Result is from Run# 2

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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			Report	of An	nalysis Page 1 o				
	Method: SW846-8011 SW846 Project: South Side Plaza, Jam File ID DF A					Date	Received: 0	04/18/19 04/20/19 0/a	
Run #1 Run #2	File ID 7G32157.D		Analyzed 94/26/19 17:54	By VDT	Prep Da 04/26/19		Prep Batch OP20007	Analytical Batch G7G1137	
Run #1 Run #2	Initial Volume 35 ml	Final Volum 2.0 ml	ie						
VOA List CAS No.	Compound		Result	RL	MDL	Units	Q		
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		e ND ND	0.020 0.020	0.0087 0.0053	ug/l ug/l			
CAS No.	Surrogate Recoveries		Run# 1	Run# 2	Limi	ts			
3017-95-6 3017-95-6	2-Bromo-1-chloropropane 2-Bromo-1-chloropropane		157% ^a 147% ^a		20-14 20-14				

(a) Outside control limits due to matrix interference.

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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Report of Analysis									
Client Sam	ple ID: MW-13								
Lab Sampl	-				Date	e Sampled: 04	/18/19		
Matrix:	AQ - Ground Water	•					/20/19		
Method:	SW846 8260C				Perc	ent Solids: n/	a		
Project:	South Side Plaza, Ja	mestown, NY							
	File ID DF	Analyzed	By	Prep D	ate	Prep Batch	Analytical Batch		
Run #1 ^a	L311349.D 50	04/23/19 13:20	-	n/a	ute	n/a	VL9039		
Run #2	3D146915.D 200	04/23/19 04:40		n/a		n/a	V3D6280		
	Purge Volume								
Run #1	5.0 ml								
Run #1 Run #2	5.0 ml								
Kull #£	5.0 m								
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		ND	50	24	ug/l				
10061-02-6		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				

RL = **Reporting Limit E** = Indicates value exceeds calibration range

MDL = Method Detection Limit

ND = Not detected

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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	Method: SW846 8260C					Ι	Date S Date I Percer	04/18/19 04/20/19 n/a			
VOA TCL I	List										
CAS No.	Compound		Result	RL	M	DL Un	its	Q			
108-87-2	Methylcyclohexane		ND	250	30	ug/	1				
1634-04-4	Methyl Tert Butyl Ether		ND	50	25	ug/					
108-10-1	4-Methyl-2-pentanone(MIBK)		ND	250	93	ug/					
75-09-2	Methylene chloride	•	ND	100	50	ug/	1				
100-42-5	Styrene		ND	50	35	ug/	1				
79-34-5	1,1,2,2-Tetrachlor	oethane	ND	50	33	ug/	1				
127-18-4	Tetrachloroethene		27100 ^c	200	18						
108-88-3	Toluene		ND	50	27	0					
87-61-6	1,2,3-Trichloroben		ND	50	25	ug/					
120-82-1	1,2,4-Trichloroben		ND	50	25	ug/	1				
71-55-6	1,1,1-Trichloroetha		ND	50	27	ug/	1				
79-00-5	1,1,2-Trichloroetha		ND	50	27	ug/					
79-01-6	Trichloroethene		88.7	50	26	ug/					
75-69-4	Trichlorofluoromet	thane	ND	100	42	ug/					
75-01-4	Vinyl chloride		ND	50	39	ug/					
	m,p-Xylene		ND	50	39	ug/					
95-47-6	o-Xylene		ND	50	30	ug/					
1330-20-7	Xylene (total)		ND	50	30	ug/	1				
CAS No.	Surrogate Recover	ries	Run# 1	Run# 2		Limits					
1868-53-7	Dibromofluoromet		88 %	97 %		80-120%					
17060-07-0	1,2-Dichloroethane		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 Compo		unds	R.T.		Est. Con	c. U	nits	Q		
	Total TIC, Volatile					0	ug	g/l			

Report of Analysis

(a) Diluted due to high concentration of target compound.

(b) Associated CCV outside of control limits low.

(c) Result is from Run# 2

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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				Page 1 of 1				
Client Sample ID:MW-13Lab Sample ID:JC86738-9Matrix:AQ - Ground WaterMethod:SW846-8011Project:South Side Plaza, Jame						Date	e Sampled: Received: ent Solids:	04/18/19 04/20/19 n/a
Run #1 Run #2	File ID 7G32158.D		Analyzed)4/26/19 18:13	By VDT	Prep Da 04/26/19		Prep Batcl OP20007	h Analytical Batch G7G1137
Run #1 Run #2	Initial Volume 35 ml	Final Volun 2.0 ml	ie					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		e ND ND	0.020 0.020	0.0087 0.0053	ug/l ug/l		
CAS No.	Surrogate Recoveries		Run# 1	Run# 2	un# 2 Limits			
3017-95-6 3017-95-6	1 1		1296% ^a 190% ^a	20-144% 20-144%				

(a) Outside control limits due to matrix interference.

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



$\begin{array}{cccc} \label{eq:constraint} \begin{array}{cccc} \mbox{Client Sample ID:} MW-14 \\ \mbox{Lab Sample ID:} JC86738-10 \\ \mbox{Matrix:} AQ - Ground Water \\ \mbox{Matrix:} AQ - Ground Water \\ \mbox{SW846 8269C} \\ \mbox{SW846 8269C} \\ \mbox{SW846 8269C} \\ \mbox{SW846 8269C} \\ \mbox{Project:} \\ \mbox{South Side Plaza, Jamestown, NY \\ \end{array} \end{array} \\ \begin{array}{ccccc} \mbox{File ID} \\ \mbox{Run #1} \\ \mbox{SW846 8269C} \\ \mbox{Run #2} \\ \end{array} \\ \begin{array}{ccccccccccccccccccccccccccccccccccc$			Report	of A	nalysis			Page 1 of 2	
Run #1 Run #2 3D146905.D 1 04/23/19 00:28 PR n/a n/a V3D6280 Run #2 Purge Volume Run #1 5.0 ml n/a V3D6280 Run #1 5.0 ml Run #2 State State State VOA TCL List CAS No. Compound Result RL MDL Units Q 67-64-1 Acetone ND 10 6.0 ug/l 1/4 1/	Lab Sample Matrix: Method:	e ID: JC86738-10 AQ - Ground Water SW846 8260C	mestown, NY			Date	e Received: 04	l/20/19	
Run #1 Run #2 5.0 ml VOA TCL List			-	-	-	ate	-	Analytical Batch V3D6280	
CAS No.CompoundResultRLMDLUnitsQ67-64-1AcetoneND106.0ug/l71-43-2BerzeneND0.500.43ug/l74-97-5BromochloromethaneND1.00.48ug/l75-27-4BromochloromethaneND1.00.58ug/l75-27-5Bromochloromethane*ND1.00.63ug/l75-27-5Bromomethane*ND1.00.63ug/l78-93-32-Butanone (MEK)ND1.00.55ug/l75-15-0Carbon disulfideND1.00.55ug/l75-74-3ChloroethaneND1.00.56ug/l75-75-3ChloroformND1.00.56ug/l75-76-3ChloroformND1.00.56ug/l75-07-3ChloroformND1.00.56ug/l108-90-7CyclokexaneND1.00.56ug/l75-07-3ChloroformND1.00.51ug/l110-82-7CyclohexaneND1.00.54ug/l104-48-1DibromochloromethaneND1.00.56ug/l110-82-7CyclohexaneND1.00.54ug/l110-82-7CyclohexaneND1.00.54ug/l110-82-7CyclohexaneND1.00.54ug/l110-82-7CyclohexaneND1.00.54ug/l110-82-7		-							
67.64.1AcetoneND106.0ug/l71-43-2BenzeneND0.500.43ug/l71-43-2BromochloromethaneND1.00.48ug/l74-97.5BromodichloromethaneND1.00.68ug/l75-27.4BromodichloromethaneND1.00.63ug/l75-25.2Bromomethane ^a ND2.01.6ug/l78-93.32-Butanone (MEK)ND106.9ug/l75-15-0Carbon disulfideND2.00.95ug/l56-23-5Carbon tetrachlorideND1.00.55ug/l75-03ChlorobenzeneND1.00.56ug/l76-66-3ChlorobenkaneND1.00.76ug/l110-82-7CyclohexaneND1.00.76ug/l95-50-11,2-DichlorobenzeneND1.00.53ug/l124-48-1DibromochloromethaneND1.00.54ug/l95-50-11,2-DichlorobenzeneND1.00.54ug/l106-46-71,4-DichlorobenzeneND1.00.51ug/l175-34-31,1-DichlorobenzeneND1.00.59ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l1061-01-5tistloroetheneND1.00.51ug/l1061-01-5tistloroethe	VOA TCL	List							
71-43-2BenzeneND 0.50 0.43 ug/l 74-97-5BromochloromethaneND 1.0 0.48 ug/l 75-27-4BromodichloromethaneND 1.0 0.63 ug/l 75-27-8BromoformND 1.0 0.63 ug/l 74-83-9Bromomethane aND 2.0 1.6 ug/l 78-93-32-Butanone (MEK)ND 10 6.9 ug/l 75-15-0Carbon disulfideND 2.0 0.95 ug/l 75-16-3Carbon tetrachlorideND 1.0 0.55 ug/l 75-07-3ChlorobenzeneND 1.0 0.56 ug/l 74-87-3ChloroformND 1.0 0.56 ug/l 74-87-3ChloroformND 1.0 0.76 ug/l 74-87-3ChloroformND 1.0 0.56 ug/l 74-87-3ChloroformND 1.0 0.56 ug/l 74-87-3ChloroformethaneND 1.0 0.54 ug/l 74-87-3ChlorobenzeneND 1.0 0.54 ug/l 74-87-3DichlorobenzeneND 1.0 0.54 ug/l 74-48-3JichlorobenzeneND 1.0 0.54 ug/l 74-48-3JichlorobenzeneND 1.0 0.54 ug/l 75-71-8DichlorobenzeneND 1.0 0.57 ug/l 75-73-8JichloroethaneND 1.0 0.59 <td< th=""><th>CAS No.</th><th>Compound</th><th>Result</th><th>RL</th><th>MDL</th><th>Units</th><th>Q</th><th></th></td<>	CAS No.	Compound	Result	RL	MDL	Units	Q		
71-43-2BenzeneND 0.50 0.43 ug/l 74-97-5BromochloromethaneND 1.0 0.48 ug/l 75-27-4BromodichloromethaneND 1.0 0.63 ug/l 75-27-8BromoformND 1.0 0.63 ug/l 74-83-9Bromomethane aND 2.0 1.6 ug/l 78-93-32-Butanone (MEK)ND 10 6.9 ug/l 75-15-0Carbon disulfideND 2.0 0.95 ug/l 75-16-3Carbon tetrachlorideND 1.0 0.55 ug/l 75-07-3ChlorobenzeneND 1.0 0.56 ug/l 74-87-3ChloroformND 1.0 0.56 ug/l 74-87-3ChloroformND 1.0 0.76 ug/l 74-87-3ChloroformND 1.0 0.56 ug/l 74-87-3ChloroformND 1.0 0.56 ug/l 74-87-3ChloroformethaneND 1.0 0.54 ug/l 74-87-3ChlorobenzeneND 1.0 0.54 ug/l 74-87-3DichlorobenzeneND 1.0 0.54 ug/l 74-48-3JichlorobenzeneND 1.0 0.54 ug/l 74-48-3JichlorobenzeneND 1.0 0.54 ug/l 75-71-8DichlorobenzeneND 1.0 0.57 ug/l 75-73-8JichloroethaneND 1.0 0.59 <td< td=""><td>67-64-1</td><td>Acetone</td><td>ND</td><td>10</td><td>6.0</td><td>ug/l</td><td></td><td></td></td<>	67-64-1	Acetone	ND	10	6.0	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 Bromomethane ⁴ 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 1.0 0.55 ug/l 56-23-5 Carbon tetrachloride ND 1.0 0.55 ug/l 75-00-3 Chlorobenzene ND 1.0 0.56 ug/l 67-66-3 Chloroform ND 1.0 0.76 ug/l 74-87-3 Chloromethane ND 1.0 0.76 ug/l 74-87-3 Chloromethane ND 1.0 0.76 ug/l 74-87-3 Chloromethane ND 1.0 0.76 ug/l 74-87-3 Chlorobenzene ND 1.0 0.51 ug/l 74-87-3 Dichlorobenzene ND 1.0 0.54 ug/l 541-73-1 1,3-Dichlorobenzene ND		Benzene							
75-27-4BromodichloromethaneND1.00.58ug/l75-25-2BromoformND1.00.63ug/l74-83-9Bromomethane aND2.01.6ug/l78-93-32-Butanone (MEK)ND106.9ug/l75-15-0Carbon disulfideND2.00.95ug/l56-23-5Carbon tetrachlorideND1.00.55ug/l56-23-5Carbon tetrachlorideND1.00.55ug/l75-00-3ChlorobenzeneND1.00.73ug/l74-87-3ChloroformND1.00.76ug/l74-87-3ChloromethaneND1.00.76ug/l74-87-3ChloromethaneND1.00.51ug/l74-87-3ChloromethaneND1.00.54ug/l108-27CyclohexaneND1.00.54ug/l541-73-11,3-DichlorobenzeneND1.00.54ug/l541-73-11,3-DichlorobenzeneND1.00.57ug/l571-8DichlorodifluoromethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.59ug/l156-59-2cis.1,2-DichloroetheneND1.00.51ug/l156-69-5tras.1,2-DichloroetheneND1.00.51ug/l166-65tras.1,2-DichloroetheneND1.00.51ug/l10061-01-5cis.1,3-Dichloropr	74-97-5	Bromochloromethane	ND	1.0	0.48				
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 0.73 ug/l 75-00-3 Chlorobenzene ND 1.0 0.73 ug/l 67-66-3 Chlorobenzene ND 1.0 0.76 ug/l 74-87-3 Chloromethane ND 1.0 0.76 ug/l 110-82-7 Cyclohexane ND 1.0 0.76 ug/l 124-48-1 Dibromochloromethane ND 1.0 0.56 ug/l 124-48-1 J.2-Dichlorobenzene ND 1.0 0.51 ug/l 124-48-1 J.3-Dichlorobenzene ND 1.0 0.51 ug/l 541-73-1 1,3-Dichlorobenzene ND 1.0 0.51 ug/l 75-71-8 Dichloroothane <t< td=""><td>75-27-4</td><td>Bromodichloromethane</td><td>ND</td><td>1.0</td><td>0.58</td><td></td><td></td><td></td></t<>	75-27-4	Bromodichloromethane	ND	1.0	0.58				
78-93-32-Butanone (MEK)ND10 6.9 ug/l 75-15-0Carbon disulfideND2.00.95 ug/l 56-23-5Carbon tetrachlorideND1.00.55 ug/l 108-90-7ChlorobenzeneND1.00.56 ug/l 75-00-3ChloroformND1.00.73 ug/l 67-66-3ChloroformND1.00.76 ug/l 74-87-3ChloromethaneND1.00.76 ug/l 110-82-7CyclohexaneND1.00.56 ug/l 124-48-1DibromochloromethaneND1.00.56 ug/l 95-50-11,2-DichlorobenzeneND1.00.54 ug/l 106-46-71,4-DichlorobenzeneND1.00.51 ug/l 106-46-71,2-DichlorobethaneND1.00.57 ug/l 75-71-8DichlorodifluoromethaneND1.00.57 ug/l 75-34-31,1-DichloroethaneND1.00.51 ug/l 75-35-41,1-DichloroethaneND1.00.51 ug/l 75-35-51,2-DichloroetheneND1.00.54 ug/l 78-87-51,2-DichloroetheneND1.00.54 ug/l 78-87-51,2-DichloroetheneND1.00.54 ug/l 78-87-51,2-DichloroetheneND1.00.54 ug/l 78-87-51,2-DichloroptopeneND1.00.54 ug/l <	75-25-2	Bromoform	ND	1.0	0.63				
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 67-66-3 Chloroethane ND 1.0 0.50 ug/l 67-66-3 Chloromethane ND 1.0 0.73 ug/l 110-82-7 Cyclohexane ND 1.0 0.76 ug/l 110-82-7 Cyclohexane ND 1.0 0.56 ug/l 124-48-1 Dibromochloromethane ND 1.0 0.54 ug/l 15-50-1 1,2-Dichlorobenzene ND 1.0 0.54 ug/l 106-46-7 1,4-Dichlorobenzene ND 1.0 0.57 ug/l 106-46-7 1,2-Dichloroethane ND 1.0 0.51 ug/l 156-592 cis-1,2-Dichloroethane ND 1.0 0.51 ug/l 156-69-5 trans-1,2-Dichloroethe	74-83-9	Bromomethane ^a	ND	2.0	1.6				
75-15-0Carbon disulfideND2.0 0.95 ug/l 56-23-5Carbon tetrachlorideND 1.0 0.55 ug/l 108-90-7ChlorobenzeneND 1.0 0.56 ug/l 75-00-3ChloroethaneND 1.0 0.73 ug/l 67-66-3ChloromethaneND 1.0 0.73 ug/l 74-87-3ChloromethaneND 1.0 0.76 ug/l 110-82-7CyclohexaneND 1.0 0.56 ug/l 124-48-1DibromochloromethaneND 1.0 0.56 ug/l 95-50-1 $1,2$ -DichlorobenzeneND 1.0 0.54 ug/l 541-73-1 $1,3$ -DichlorobenzeneND 1.0 0.51 ug/l 75-71-8DichlorodifluoromethaneND 2.0 1.4 ug/l 75-34 $1,1$ -DichloroethaneND 1.0 0.57 ug/l 75-35-4 $1,1$ -DichloroethaneND 1.0 0.51 ug/l 75-35-4 $1,2$ -DichloroetheneND 1.0 0.51 ug/l 78-75 $1,2$ -DichloroetheneND 1.0 0.51 ug/l 78-75 $1,2$ -DichloroptopaneND 1.0 0.51 ug/l 78-75 $1,2$ -DichloroptopeneND 1.0 0.54 ug/l 78-75 $1,2$ -DichloroptopeneND 1.0 0.54 ug/l 78-75 $1,2$ -DichloroptopeneND 1.0 0.54 ug/l 78	78-93-3	2-Butanone (MEK)	ND	10	6.9				
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 0.73 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 106-46-7 1,4-Dichlorobenzene ND 1.0 0.51 ug/l 107-06-2 1,2-Dichloroethane ND 1.0 0.57 ug/l 107-06-2 1,2-Dichloroethane 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-Dichloroptenee ND 1.0 0.51 ug/l 10061-01-5 cis-1,3	75-15-0	Carbon disulfide	ND	2.0	0.95				
75-00-3ChloroethaneND1.00.73ug/l67-66-3ChloroformND1.00.50ug/l74-87-3ChloromethaneND1.00.76ug/l110-82-7CyclohexaneND5.00.78ug/l124-48-1DibromochloromethaneND1.00.56ug/l95-50-11,2-DichlorobenzeneND1.00.53ug/l541-73-11,3-DichlorobenzeneND1.00.54ug/l106-46-71,4-DichlorobenzeneND1.00.51ug/l75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.59ug/l107-06-21,2-DichloroethaneND1.00.51ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l10061-01-5cis-1,3-DichloropropaneND1.00.51ug/l10061-02-6trans-1,3-DichloropropeneND1.00.51ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-11-4EthylbenzeneND1.00.43ug/l100-11-4EthylbenzeneND1.00.60ug/l76-13-1Freen 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8 </td <td>56-23-5</td> <td>Carbon tetrachloride</td> <td>ND</td> <td>1.0</td> <td>0.55</td> <td></td> <td></td> <td></td>	56-23-5	Carbon tetrachloride	ND	1.0	0.55				
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 0.59 ug/l 107-06-2 1,2-Dichloroethane ND 1.0 0.60 ug/l 75-35-4 1,1-Dichloroethene ND 1.0 0.51 ug/l 156-59-2 cis-1,2-Dichloroethene ND 1.0 0.51 ug/l 10061-01-5 cis-1,3-Dichloropropane ND 1.0 0.51 ug/l 10061-02-6	108-90-7		ND	1.0	0.56	ug/l			
74-87-3ChloromethaneND1.00.76ug/l110-82-7CyclohexaneND5.00.78ug/l124-48-1DibromochloromethaneND1.00.56ug/l95-50-11,2-DichlorobenzeneND1.00.53ug/l541-73-11,3-DichlorobenzeneND1.00.54ug/l106-46-71,4-DichlorobenzeneND1.00.51ug/l75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l10061-01-5cis-1,3-DichloroptopeneND1.00.51ug/l10061-01-5cis-1,3-DichloroptopeneND1.00.47ug/l10061-02-6trans-1,3-DichloroptopeneND1.00.43ug/l10041-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l98-82-8IsopropylbenzeneND1.00.65ug/l	75-00-3	Chloroethane	ND	1.0	0.73				
110-82-7CyclohexaneND5.00.78ug/l124-48-1DibromochloromethaneND1.00.56ug/l95-50-11,2-DichlorobenzeneND1.00.53ug/l541-73-11,3-DichlorobenzeneND1.00.54ug/l106-46-71,4-DichlorobenzeneND1.00.51ug/l75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.60ug/l75-35-41,1-DichloroetheneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.51ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l	67-66-3	Chloroform	ND	1.0	0.50	ug/l			
124-48-1DibromochloromethaneND1.00.56ug/l95-50-11,2-DichlorobenzeneND1.00.53ug/l541-73-11,3-DichlorobenzeneND1.00.54ug/l106-46-71,4-DichlorobenzeneND1.00.51ug/l75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.59ug/l75-35-41,1-DichloroetheneND1.00.51ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.51ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l98-82-8IsopropylbenzeneND1.00.65ug/l	74-87-3	Chloromethane	ND	1.0	0.76	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 75-71-8 Dichlorodifluoromethane ND 1.0 0.57 ug/l 107-06-2 1,2-Dichloroethane ND 1.0 0.59 ug/l 75-35-4 1,1-Dichloroethene ND 1.0 0.51 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 0.51 ug/l 10061-01-5 cis-1,3-Dichloroptopene ND 1.0 0.51 ug/l 10061-02-6 trans-1,3-Dichloroptopene ND 1.0 0.47 ug/l 10061-02-6 trans-1,3-Dichloroptopene ND 1.0 0.43 ug/l 100-41-4 Ethylbenzene ND 1.0 0.60 ug/l <	110-82-7	Cyclohexane	ND	5.0	0.78	ug/l			
541-73-11,3-DichlorobenzeneND1.00.54ug/l106-46-71,4-DichlorobenzeneND1.00.51ug/l75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.60ug/l75-35-41,1-DichloroetheneND1.00.51ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.54ug/l10061-01-5cis-1,3-DichloroptopeneND1.00.51ug/l10061-02-6trans-1,3-DichloroptopeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8IsopropylbenzeneND1.00.65ug/l	124-48-1		ND	1.0	0.56	ug/l			
106-46-71,4-DichlorobenzeneND1.00.51ug/l75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.60ug/l75-35-41,1-DichloroetheneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.51ug/l186-751,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l100-41-4EthylbenzeneND1.00.43ug/l100-41-4Freon 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8IsopropylbenzeneND1.00.65ug/l	95-50-1	-	ND	1.0		ug/l			
75-71-8DichlorodifluoromethaneND2.01.4ug/l75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.60ug/l75-35-41,1-DichloroetheneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.54ug/l78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8IsopropylbenzeneND1.00.65ug/l	541-73-1			1.0					
75-34-31,1-DichloroethaneND1.00.57ug/l107-06-21,2-DichloroethaneND1.00.60ug/l75-35-41,1-DichloroetheneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.54ug/l78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l591-78-62-HexanoneND5.01.9ug/l98-82-8IsoproylbenzeneND1.00.65ug/l	106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l			
107-06-21,2-DichloroethaneND1.00.60ug/l75-35-41,1-DichloroetheneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.54ug/l78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8IsopropylbenzeneND1.00.65ug/l						ug/l			
75-35-41,1-DichloroetheneND1.00.59ug/l156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.54ug/l78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8IsopropylbenzeneND1.00.65ug/l						ug/l			
156-59-2cis-1,2-DichloroetheneND1.00.51ug/l156-60-5trans-1,2-DichloroetheneND1.00.54ug/l78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND1.00.65ug/l98-82-8IsopropylbenzeneND1.00.65ug/l									
156-60-5trans-1,2-DichloroetheneND1.00.54ug/l78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l									
78-87-51,2-DichloropropaneND1.00.51ug/l10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l		-							
10061-01-5cis-1,3-DichloropropeneND1.00.47ug/l10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l		-							
10061-02-6trans-1,3-DichloropropeneND1.00.43ug/l100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l									
100-41-4EthylbenzeneND1.00.60ug/l76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l									
76-13-1Freon 113ND5.01.9ug/l591-78-62-HexanoneND5.02.0ug/l98-82-8IsopropylbenzeneND1.00.65ug/l									
591-78-6 2-Hexanone ND 5.0 2.0 ug/l 98-82-8 Isopropylbenzene ND 1.0 0.65 ug/l									
98-82-8 Isopropylbenzene ND 1.0 0.65 ug/l									
1 15									
79-20-9 Metnyl Acetate ND 5.0 0.80 ug/l									
	79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l			

ND = Not detected MDL = Method Detection Limit

RL = **Reporting Limit**

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

E = Indicates value exceeds calibration range

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Client Samp Lab Sample Matrix: Method: Project:					Dat	e Sam e Rece cent S	ived:	04/18/19 04/20/19 n/a
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(Ml	BK) 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	e 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	Lim	its			
1868-53-7	Dibromofluoromethane	97 %		80-1	20 %			
17060-07-0	1,2-Dichloroethane-D4	94%			24%			
2037-26-5	Toluene-D8	100%			20%			
460-00-4	4-Bromofluorobenzene	97 %		80-1	20%			
CAS No.	Tentatively Identified Co	ompounds	R.T.	Est.	Conc.	Units	Q	
	system artifact		1.48	24		ug/l	J	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JC8673 AQ - G SW846	8-10 round Water	0011			Date	I I I I I I I I I I I I I I I I I I I	1/18/19 1/20/19 a
Run #1 Run #2	File ID 7G32159.D		nalyzed 4/26/19 18:32	By VDT	Prep Da 04/26/19		Prep Batch OP20007	Analytical Batch G7G1137
Run #1 Run #2	Initial Volume 35 ml	Final Volum 2.0 ml	e					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet	-chloropropane hane	ND ND	0.020 0.020	0.0087 0.0054	ug/l ug/l		
CAS No.	Surrogate Rec	coveries	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		111% 101%		20-14 20-14			

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- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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			Report	OI AI	larysis			Page 1 of	
Client Sam Lab Sample Matrix: Method: Project:	e ID: JC86 AQ SW8								
Run #1 Run #2	File ID 3D146906.D	DF 1	Analyzed 04/23/19 00:53	By PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280	
Run #1 Run #2	Purge Volun 5.0 ml	ne							
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	Bromochlor	omethane	ND	1.0	0.48	ug/l			
75-27-4	Bromodichl	oromethane	ND	1.0	0.58	ug/l			
75-25-2	Bromoform		ND	1.0	0.63	ug/l			
74-83-9	Bromometha	ane ^a	ND	2.0	1.6	ug/l			
78-93-3	2-Butanone	(MEK)	ND	10	6.9	ug/l			
75-15-0	Carbon disu		ND	2.0	0.95	ug/l			
56-23-5	Carbon tetra	achloride	ND	1.0	0.55	ug/l			
108-90-7	Chlorobenze	ene	ND	1.0	0.56	ug/l			
75-00-3	Chloroethan	e	ND	1.0	0.73	ug/l			
67-66-3	Chloroform		ND	1.0	0.50	ug/l			
74-87-3	Chlorometh	ane	ND	1.0	0.76	ug/l			
110-82-7	Cyclohexan	e	ND	5.0	0.78	ug/l			
124-48-1	Dibromochl		ND	1.0	0.56	ug/l			
95-50-1	1,2-Dichlor	obenzene	ND	1.0	0.53	ug/l			
541-73-1	1,3-Dichlor	obenzene	ND	1.0	0.54	ug/l			
106-46-7	1,4-Dichlor	obenzene	ND	1.0	0.51	ug/l			
75-71-8	Dichlorodif	luoromethane	ND	2.0	1.4	ug/l			
75-34-3	1,1-Dichlor	oethane	ND	1.0	0.57	ug/l			
107-06-2	1,2-Dichlor	oethane	ND	1.0	0.60	ug/l			
75-35-4	1,1-Dichlor		ND	1.0	0.59	ug/l			
156-59-2	cis-1,2-Dich	ıloroethene	ND	1.0	0.51	ug/l			
156-60-5	trans-1,2-Di	ichloroethene	ND	1.0	0.54	ug/l			
78-87-5	1,2-Dichlor		ND	1.0	0.51	ug/l			
10061-01-5	cis-1,3-Dich	loropropene	ND	1.0	0.47	ug/l			
10061-02-6		ichloropropene	ND	1.0	0.43	ug/l			
100-41-4	Ethylbenzen	ie	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	Isopropylbe	nzene	ND	1.0	0.65	ug/l			
79-20-9	Methyl Ace	tate	ND	5.0	0.80	ug/l			

MDL = Method Detection Limit

ND = Not detected

RL = **Reporting Limit**

E = Indicates value exceeds calibration range

Report of Analysis

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N = Indicates presumptive evidence of a compound

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

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Client Samj Lab Sample Matrix: Method: Project:		nestown, NY			Dat	te Sam te Rece rcent S	eived:	04/17/19 04/20/19 n/a
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	Lim	its			
1868-53-7	Dibromofluoromethane	99 %		80-1	20%			
17060-07-0	1,2-Dichloroethane-D4	93%		81-1	24%			
2037-26-5	Toluene-D8	101%		80-1	20%			
460-00-4	4-Bromofluorobenzene	96 %		80-1	20%			
CAS No.	Tentatively Identified Com	pounds	R.T.	Est.	Conc.	Units	Q	
	system artifact		1.48	28		ug/l	J	
	Total TIC, Volatile			0		ug/l		
						-		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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			Report	of Ana	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JC8673 AQ - G SW846					Date	I I	./17/19 ./20/19 a
Run #1 Run #2	File ID 7G32160.D		nalyzed 4/26/19 18:51	By VDT	Prep Da 04/26/19		Prep Batch OP20007	Analytical Batch G7G1137
Run #1 Run #2	Initial Volume 35 ml	Final Volum 2.0 ml	e					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet	-chloropropane hane	ND ND	0.020 0.020	0.0087 0.0053	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		111% 106%		20-14 20-14			

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- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



	Report of Analysis Page						Page 1 of	
Client Sam Lab Sampl Matrix: Method: Project:	AQ - SW84	738-12 Field Blank \ 6 8260C	Water Jamestown, NY			Date	1	04/18/19 04/20/19 1/a
Run #1 Run #2	File ID 3D146898.D	DF 1	Analyzed 04/22/19 21:3	By 82 PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280
Run #1 Run #2	Purge Volume 5.0 ml	e						
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	Bromochloro	methane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichlo	romethane	1.0	1.0	0.58	ug/l		
75-25-2	Bromoform		ND	1.0	0.63	ug/l		
74-83-9	Bromometha	ne ^a	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (1	MEK)	ND	10	6.9	ug/l		
75-15-0	Carbon disulf	fide	ND	2.0	0.95	ug/l		
56-23-5	Carbon tetrac	hloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzer	ıe	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	Chlorometha	ne	ND	1.0	0.76	ug/l		
110-82-7	Cyclohexane		ND	5.0	0.78	ug/l		
124-48-1	Dibromochlo	romethane	ND	1.0	0.56	ug/l		
95-50-1	1,2-Dichlorol	benzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorol	benzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorol	benzene	ND	1.0	0.51	ug/l		
75-71-8	Dichlorodiflu	oromethane	ND	2.0	1.4	ug/l		
75-34-3	1,1-Dichloro	ethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloro	ethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloro	ethene	ND	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichl	oroethene	ND	1.0	0.51	ug/l		
156-60-5	trans-1,2-Dic		ND	1.0	0.54	ug/l		
78-87-5	1,2-Dichloro	propane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichl	oropropene	ND	1.0	0.47	ug/l		
10061-02-6	trans-1,3-Dic	hloropropen		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	Isopropylben		ND	1.0	0.65	ug/l		
79-20-9	Methyl Aceta	ite	ND	5.0	0.80	ug/l		

Report of Analysis

ND = Not detected MDL = Method Detection Limit

RL = **Reporting Limit**

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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E = Indicates value exceeds calibration range

Lab Sample Matrix: Method: Project:		FIELD BLANK JC86738-12 AQ - Field Blank Wate SW846 8260C South Side Plaza, Jame				Da	te Sam te Rece cent So	eived:	04/18/19 04/20/19 n/a
VOA TCL I	List								
CAS No.	Comp	ound	Result	RL	MDL	Units	Q		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l			
1634-04-4		'l Tert Butyl Ether	ND	1.0	0.51	ug/l			
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l			
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l			
100-42-5	Styren	e	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	Tetrac	hloroethene	ND	1.0	0.90	ug/l			
108-88-3	Tolue	ne	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	Trichl	oroethene	ND	1.0	0.53	ug/l			
75-69-4	Trichl	orofluoromethane	ND	2.0	0.84	ug/l			
75-01-4	Vinyl	chloride	ND	1.0	0.79	ug/l			
	m,p-X	lylene	ND	1.0	0.78	ug/l			
95-47-6	o-Xyle		ND	1.0	0.59	ug/l			
1330-20-7		e (total)	ND	1.0	0.59	ug/l			
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Lim	its			
1868-53-7	Dibro	mofluoromethane	98 %		80-1	20%			
17060-07-0		ichloroethane-D4	93 %		81-1	24%			
2037-26-5	Tolue	ne-D8	101%		80-1	20%			
460-00-4	4-Bro	nofluorobenzene	96%		80-1	20%			
CAS No.	Tenta	tively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q	
		TIC, Volatile			0		ug/l		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

3.12

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			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JC8673 AQ - Fi SW846	BLANK 8-12 ield Blank Wate -8011 SW846 ide Plaza, Jame	8011			Date	I I	1/18/19 1/20/19 a
Run #1 Run #2	File ID 7G32161.D		.nalyzed 4/26/19 19:10	By VDT	Prep Da 04/26/19		Prep Batch OP20007	Analytical Batch G7G1137
Run #1 Run #2	Initial Volume 34 ml	Final Volum 2.0 ml	e					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoet		ND ND	0.020 0.020	0.0088 0.0054	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	its		
3017-95-6 3017-95-6	2-Bromo-1-chl 2-Bromo-1-chl		111% 100%		20-14 20-14			

Depart of Analysis

ND = Not detected **MDL** = Method Detection Limit **RL** = **Reporting Limit E** = Indicates value exceeds calibration range

- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



		Report	of Ai	nalysis			Page 1 of 2
Client Sam Lab Sampl Matrix: Method: Project:	-				Date	1	/18/19 /20/19 a
Run #1 Run #2	File ID DF 3D146899.D 1	Analyzed 04/22/19 21:57	By PR	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D6280
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1 71-43-2 74-97-5 75-27-4	Acetone Benzene Bromochloromethane Bromodichloromethane	ND ND ND ND	10 0.50 1.0 1.0	6.0 0.43 0.48 0.58	ug/l ug/l ug/l ug/l		
75-25-2 74-83-9 78-93-3 75-15-0	Bromoform Bromomethane ^a 2-Butanone (MEK) Carbon disulfide	ND ND ND ND	1.0 2.0 10 2.0	0.63 1.6 6.9 0.95	ug/l ug/l ug/l ug/l		
56-23-5 108-90-7 75-00-3	Carbon tetrachloride Chlorobenzene Chloroethane	ND ND ND	1.0 1.0 1.0	0.55 0.56 0.73	ug/l ug/l ug/l		
67-66-3 74-87-3 110-82-7 124-48-1	Chloroform Chloromethane Cyclohexane Dibromochloromethane	ND ND ND ND	1.0 1.0 5.0 1.0	0.50 0.76 0.78 0.56	ug/l ug/l ug/l ug/l		
95-50-1 541-73-1 106-46-7	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND ND	1.0 1.0 1.0	0.53 0.54 0.51	ug/l ug/l ug/l		
75-71-8 75-34-3 107-06-2 75-35-4	Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethene	ND ND ND ND	2.0 1.0 1.0 1.0	1.4 0.57 0.60 0.59	ug/l ug/l ug/l ug/l		
156-59-2 156-60-5 78-87-5	cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane	ND ND ND	1.0 1.0 1.0	0.51 0.54 0.51	ug/l ug/l ug/l		
10061-01-5 10061-02-6 100-41-4 76-13-1	trans-1,3-Dichloropropene Ethylbenzene Freon 113	ND ND	1.0 1.0 1.0 5.0	0.47 0.43 0.60 1.9	ug/l ug/l ug/l ug/l		
591-78-6 98-82-8 79-20-9	2-Hexanone Isopropylbenzene Methyl Acetate	ND ND ND	5.0 1.0 5.0	2.0 0.65 0.80	ug/l ug/l ug/l		

ND = Not detected **MDL** = Method Detection Limit **RL** = **Reporting Limit**

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

3.13 ω

J = Indicates an estimated value

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Client Samp Lab Sample Matrix: Method: Project:					Dat	te Sam te Rece cent S	eived:	04/18/19 04/20/19 n/a
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	Lim	its			
1868-53-7	Dibromofluoromethane	98 %		80-1	20%			
17060-07-0	1,2-Dichloroethane-D4	94%		81-1	24%			
2037-26-5	Toluene-D8	101%		80-1	20%			
460-00-4	4-Bromofluorobenzene	97 %		80-1	20%			
CAS No.	Tentatively Identified Comp	ounds	R.T.	Est.	Conc.	Units	Q	
	Total TIC, Volatile			0		ug/l		

Report of Analysis

(a) Associated CCV outside of control limits low.

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Page 2 of 2

3.13 ω



			Report	of An	alysis			Page 1 of 1
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JC86733 AQ - Ti SW846-		8011			Date		1/18/19 1/20/19 a
Run #1 Run #2	File ID 7G32162.D		nalyzed 4/26/19 19:30	By VDT	Prep Da 04/26/19		Prep Batch OP20007	Analytical Batch G7G1137
Run #1 Run #2	Initial Volume 35 ml	Final Volum 2.0 ml	e					
VOA List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
96-12-8 106-93-4	1,2-Dibromo-3 1,2-Dibromoetl		ND ND	0.020 0.020	0.0086 0.0053	ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
3017-95-6 3017-95-6	2-Bromo-1-chlo 2-Bromo-1-chlo		106% 101%		20-14 20-14			

Depart of Analysis

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound





Section 4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking ChronicleInternal Chain of Custody

	2	S North America Inc D 235 Route 130, Dayton, NJ 0	8810	1	Tracking #		Bottie Order		
1	W TEL. 7	32-329-0200 FAX: 732-329- www.sgs.com/ehsusa	3499/3480	SGS Qu	ote Ø		SGS Job #	JC	86738
Client / Reporting Information Company Name:	Project Name:	t Information		6	×	Reques	ted Analysis		Matrix Codes
ATC GOANE SERVIC	GE CONTH SIDE	PLAZA		826	401				DW - Drinking Water GW - Ground Water
Street Address	Street ENCITE ALLE				1-4				WW - Water SW - Surface Water
City State	CAD 704 FOOTE AJE CAD 704 FOOTE AJE Cay State 4141 JAMESTOWN NY	Billing Information (if different from Company Name	Report to)	624	2				SO - Soil SL- Sludge SED-Sediment
Project Contact E-mail /	Project #	Street Address		10	8 8 2 7 0				OI - Oil LIQ - Other Liquid
JED MYERS / JED	- M - FRIS @ ATC 65 . Co	s M	State Zp	\mathbf{S}	-				AIR - Air SOL - Other Solid
631-219-1083			State 20	-100	CONT				WP - Wipe FB - Field Blank EB-Equipment Blank
Sampler(s) Name(s) JASON SIEL	Phone # Project Manager JED MYERS	Attention:		Ĺ	1				RB - Rinse Blank TB - Trip Blank
	Collection		Number of preserved Bottles	U F	Mer				
sos Sample # Field ID / Point of Collection	MEOH/DI Vial # Date Time	Sampled Grab (S) # of by Comp (C) Matrix bottles	HCI NaOH HNO, HNO, NONE DI Wate MEOH ENCOR	\vdash	E l				LAB USE ONLY
1 MW-1	4/17/19 12:45		XX	X	X				
2 MW-2	4/18/19 5:00	11187	I X	×	X				E25
3 MW.4	4117/19 4:50			X					V948
4 MW-6	4/18/19 3:00			X					V 945
5 MW-7 6 MW-9	4/17/19 2:15	1 1 2		×	×				
6 MW-9 7 MW-10A	4/17/19 10:50			X	x				
8 MW-12	4/18/19 1:00		┼╀┠╌╎╶╎┝╎┼┼┽	Ŷ					
9 MW-13	4/18/19 11:40			X					
13 MW-14	4/18/19 10:00	5		X					
11 MW-DUP	4/17/9 5:00	- 1 L L 5	∇	×		+ $+$ $+$			
12 FILL B BLANK	me (Business Days)		Deliverable	1 m				Comments / Spe	cial Instructions
_	Approved By (SGS PM): / Date:	Commercial "A" (Level	1) NYASP Category		00	-QSM5			
5 Business Days		Commercial "B" (Level 3)	2) NYASP Category B MA MCP Criteria						
3 Business Days*		Full Tier I (Level 4)	CT RCP Criteria						
2 Business Days*		Commercial "C"	State Forms EDD Format						
All data available via Lablink	Approval needed for 1-3 Business Day TAT	Commercial "	A" = Results only; Commercial "B" = R al "C" = Results + QC Summary + Parti				http	llunuu ene com	/en/terms-and-conditions
	Sample Custody m		ime samples change possession,			ny.	.0.0		
1 and when whe	Alight A DD Fred	Ea	2 FKG	2		412019	W Jp	<u> </u>	
3	Date / Time: Received By: 3	X.	Relinquished By: 4			Date / Time:	Received		
Relinguished by: D	Date / Time: Received By: 5		Custody Seal #	Intact Not intac	Prese	rvad where applicable	Therm ID		Cooler Temp. "C Dy 40
									T
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			essment 2 AOK						

JC86738: Chain of Custody Page 1 of 2



JC86738

4.1

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SGS Sample Receipt Summary

Job Number: JC86	738 Client:	ATC GROUP SERVICES LL	C. Project: SOUTH SIDE PL	LAZA, JAMESTOWN, NY
Date / Time Received: 4/20/2	2019 9:40:00 AM	Delivery Method:	Airbill #'s:	
Cooler Temps (Raw Measured Cooler Temps (Corrected				
Cooler Security Y 1. Custody Seals Present: ☑ 2. Custody Seals Intact: ☑ Cooler Temperature ☑ 1. Temp criteria achieved: ☑ 2. Cooler temp verification: ☑ 3. Cooler media: ☑ 4. No. Coolers: ☑ Quality Control Preservation 1. Trip Blank present / cooler: 2. Trip Blank listed on COC: ☑	or N 3. COC Pi 4. Smpl Date Y or N IR Gun Ice (Bag) 1 Y or N N/A ✓ 0 0 1	s/Time OK 🗹 🗌	 Sample Integrity - Documentation 1. Sample labels present on bottles: 2. Container labeling complete: 3. Sample container label / COC agree: Sample Integrity - Condition 1. Sample recvd within HT: 2. All containers accounted for: 3. Condition of sample: Sample Integrity - Instructions 1. Analysis requested is clear: 2. Bottles received for unspecified tests 	Y or N ♥ □ ♥ □ ♥ □ Y or N ♥ □ Intact □ Y or N/A ♥ □ Intact □ ♥ □ ♥ □ ♥ □ ♥ □ ♥ □ ♥ □ ● ●
 Samples preserved properly: VOCs headspace free: 			 Sufficient volume recvd for analysis: Compositing instructions clear: 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



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4

Internal Sample Tracking Chronicle

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Sample Number Method **Test Codes** Analyzed By Prepped By JC86738-1 Collected: 17-APR-19 12:45 By: JS Received: 20-APR-19 By: DDH **MW-1** 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 25-APR-19 CS JC86738-2 Collected: 18-APR-19 15:00 By: JS Received: 20-APR-19 By: DDH MW-2 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 B8270SIM14DIOX 23-APR-19 NT JC86738-2 SW846-8011 25-APR-19 17:39 VDT 24-APR-19 CC V8011NJ JC86738-3 Collected: 17-APR-19 16:50 By: JS Received: 20-APR-19 By: DDH MW-4 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 Collected: 18-APR-19 15:00 By: JS Received: 20-APR-19 By: DDH MW-6 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 Collected: 17-APR-19 14:15 By: JS Received: 20-APR-19 By: DDH **MW-7** 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 Collected: 17-APR-19 09:30 By: JS Received: 20-APR-19 By: DDH **MW-9** JC86738-6 SW846 8260C 23-APR-19 01:44 PR V8260NJTCL20+

Job No:

JC86738



JC86738

Internal Sample Tracking Chronicle

ATC Group Services LLC.

South Side Plaza, Jamestown, NY

Sample Number Method Prepped **Test Codes** Analyzed By By JC86738-6 SW846 8270D BY SIM 24-APR-19 18:19 CC 23-APR-19 BJ B8270SIM14DIOX VDT 24-APR-19 CC JC86738-6 SW846-8011 V8011NJ 25-APR-19 18:55 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+ 26-APR-19 17:54 VDT 26-APR-19 CC JC86738-8 SW846-8011 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+



4.2 **4**

Job No:

JC86738

Internal Sample Tracking Chronicle

ATC Group Services LLC.

Job No: JC86738

South Side Plaza, Jamestown, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC86738-12	2 SW846-8011	26-APR-19 19:10	VDT	26-APR-19	СС	V8011NJ
JC86738-13 TRIP BLAN	8 Collected: 18-APR-19 NK	17:00 By: JS	Receiv	ved: 20-APR-	-19 By:	: DDH
	8 SW846 8260C 8 SW846-8011	22-APR-19 21:57 26-APR-19 19:30	PR VDT	26-APR-19	СС	V8260NJTCL20+ V8011NJ



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

Sample.Bottle	Transfer	Transfer		
Number	FROM	TO	Date/Time	Reason
		-		
JC86738-1.1	Secured Storage	Benjamin Gaines		Retrieve from Storage
JC86738-1.1	Benjamin Gaines	Secured Staging Area		Return to Storage
JC86738-1.1	Secured Staging Area	Brian Johnson		Retrieve from Storage
JC86738-1.1	Brian Johnson		04/23/19 13:36	
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		Extract from JC86738-1.1
JC86738-1.1.1	Organics Prep	Brian Johnson		Extract from JC86738-1.1
	custody update error.	Dinin Joinijon	01/20/10 11:00	
JC86738-1.1.1	Brian Johnson	Extract Storage	04/23/19 14.26	Return to Storage
JC86738-1.1.1	Brian Johnson	Extract Storage		Return to Storage
	ble for custody transfer.	LAURICI SIOTASU	UT/ WU/ 10 17.JU	intaria to Storage
JC86738-1.1.1	Extract Storage	Christine Change	04/24/19 13.01	Retrieve from Storage
JC80738-1.1.1 JC86738-1.1.1	Christine Change	GCMS3P		Load on Instrument
JC86738-1.1.1	GCMS3P	Christine Change		Unload from Instrument
JC86738-1.1.1	Christine Change	Extract Freezer		Return to Storage
JC00730-1.1.1	Chilisune Change	Extract Fleezer	04/20/15 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		Extract from JC86738-1.2
JC86738-1.2.1	Naisha Torres	Extract Storage		Return to Storage
JC86738-1.2.1	Extract Storage	Christopher Sowa		Retrieve from Storage
JC86738-1.2.1	Christopher Sowa	GCMS4M		Load on Instrument
JC86738-1.2.1	GCMS4M	Christine Change		Unload from Instrument
JC86738-1.2.1	Christine Change	Extract Freezer		Return to Storage
	Ū			0
JC86738-1.3	Secured Storage	Amanda Furka		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		Extract from JC86738-1.3
JC86738-1.3.1	Chatiyah Canaday	Extract Storage		Return to Storage
JC86738-1.3.1	Extract Storage	Vincent Drago		Retrieve from Storage
JC86738-1.3.1	Vincent Drago	GC7G		Load on Instrument
JC86738-1.3.1	GC7G	Vincent Drago		Unload from Instrument
JC86738-1.3.1	Vincent Drago	Extract Freezer		Return to Storage
JC86738-1.4	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage

4.3

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JC86738

Sample Bottle	Transfer	Transfer		
Sample.Bottle Number	FROM	TO	Date/Time	Reason
Tumber	ritom	10	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		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	
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		Extract from JC86738-2.1
JC86738-2.1.1	Naisha Torres	Extract Storage		Return to Storage
JC86738-2.1.1	Extract Storage	Christine Change		Retrieve from Storage
JC86738-2.1.1	Christine Change	GCMS4M		Load on Instrument
JC86738-2.1.1	GCMS4M	Christine Change		Unload from Instrument
JC86738-2.1.1	Christine Change	Extract Freezer		Return to Storage
JC86738-2.4	Secured Storage	Jessica Potts	04/92/10 10.54	Retrieve from Storage
	Jessica Potts	GCMSL		Load on Instrument
JC86738-2.4	GCMSL			
JC86738-2.4		Jessica Potts		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	
				. r
JC86738-2.6.1	Amanda Furka	Organics Prep		Extract from JC86738-2.6
JC86738-2.6.1	Organics Prep	Chatiyah Canaday		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		Load on Instrument
JC86738-3.1	GCMS3D	Jessica Potts		Unload from Instrument
JC86738-3.1	Jessica Potts	Secured Storage		Return to Storage
JC86738-3.3	Secured Storage	Amanda Furka	04/24/19 10:15	Retrieve from Storage

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JC86738

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Y ATC Group Services LLC.
ide Plaza, Jamestown, NY
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Sample.Bottle	Transfer	Transfer		
Number	FROM	ТО	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		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	GČMS3D		Load on Instrument
JC86738-4.1	GČMS3D	Jessica Potts		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	
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		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		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	04/95/19 10.07	Load on Instrument



Commlo D-441.	Tuanafan	Transfer		
Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Number	FROM	10	Date/ Time	Keason
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	04/99/19 16:90	Retrieve from Storage
JC86738-6.1	Benjamin Gaines	Secured Staging Area		Return to Storage
JC86738-6.1	Secured Staging Area	Brian Johnson		Retrieve from Storage
JC86738-6.1	Brian Johnson	Dian Joinson	04/23/19 13:36	
JC86738-6.1	Brian Johnson		04/23/19 13:36	
	custody update error.		01/20/10 10:00	Depictu
-				
JC86738-6.1.1	Brian Johnson	Organics Prep		Extract from JC86738-6.1
JC86738-6.1.1	Organics Prep	Brian Johnson		Extract from JC86738-6.1
JC86738-6.1.1	Organics Prep	Brian Johnson	04/23/19 14:36	Extract from JC86738-6.1
	custody update error.			_
JC86738-6.1.1	Brian Johnson	Extract Storage		Return to Storage
JC86738-6.1.1	Brian Johnson	Extract Storage	04/23/19 14:36	Return to Storage
	le for custody transfer.			
JC86738-6.1.1	Extract Storage	Christine Change		Retrieve from Storage
JC86738-6.1.1	Christine Change	GCMS3P		Load on Instrument
JC86738-6.1.1	GCMS3P	Christine Change		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		Return to Storage
JC86738-6.2	Secured Staging Area	Naisha Torres		Retrieve from Storage
JC86738-6.2	Naisha Torres		04/25/19 22:17	
JC86738-6.2.1	Naisha Torres	Organics Prep	04/95/19 15.10	Extract from JC86738-6.2
JC86738-6.2.1	Organics Prep	Naisha Torres		Extract from JC86738-6.2
JC86738-6.2.1	Naisha Torres	Extract Storage		Return to Storage
JC86738-6.2.1	Extract Storage	Christopher Sowa		Retrieve from Storage
JC86738-6.2.1	Christopher Sowa	GCMS4M		Load on Instrument
JC86738-6.2.1	GCMS4M	Christine Change		Unload from Instrument
JC86738-6.2.1	Christine Change	Extract Freezer		Return to Storage
	Ū			Ũ
JC86738-6.3	Secured Storage	Amanda Furka		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		Extract from JC86738-6.3
JC86738-6.3.1	Chatiyah Canaday	Extract Storage		Return to Storage
JC86738-6.3.1	Extract Storage	Vincent Drago		Retrieve from Storage
JC86738-6.3.1	Vincent Drago	GC7G		Load on Instrument
JC86738-6.3.1	GC7G	Vincent Drago		Unload from Instrument





JC86738
BCMNY ATC Group Services LLC.
South Side Plaza, Jamestown, NY
04/20/19

Sample.Bottle	Transfer	Transfer		
Number	FROM	TO	Date/Time	Reason
LC00700 0 0 1	View d Decete	Entrant Entrance	05/00/10 00.40	Determine to Channel
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		Load on Instrument
JC86738-7.1	GCMS3D	Jessica Potts		Unload from Instrument
JC86738-7.1	Jessica Potts	Secured Storage		Return to Storage
JC86738-7.2	Secured Storage	Amanda Furka	01/91/10 10.15	Retrieve from Storage
JC80738-7.2 JC86738-7.2	Amanda Furka		04/24/19 10:30	
JC00730-7.2	Amanua l'urka		04/24/15 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		Extract from JC86738-7.2
JC86738-7.2.1	Chatiyah Canaday	Extract Storage		Return to Storage
JC86738-7.2.1	Extract Storage	Vincent Drago		Retrieve from Storage
JC86738-7.2.1	Vincent Drago	GC7G		Load on Instrument
JC86738-7.2.1	GC7G	Vincent Drago		Unload from Instrument
JC86738-7.2.1	Vincent Drago	Extract Freezer		Return to Storage
JC86738-8.1	Secured Storage	Doval Dona	04/99/10 91.06	Datriana from Storage
JC80738-8.1 JC86738-8.1	Payal Rana	Payal Rana GCMS3D		Retrieve from Storage Load on Instrument
JC80738-8.1 JC86738-8.1	GCMS3D	Jessica Potts		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		Retrieve from Storage
JC86738-8.2	Amanda Furka	Secured Storage		Return to Storage
JC86738-8.2	Secured Storage	Matthew Robbins		Retrieve from Storage
JC86738-8.2	Matthew Robbins	Secured Staging Area		Return to Storage
JC86738-8.2	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was return	ed to secure storage, but i	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		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		Extract from JC86738-8.4
JC86738-8.4.1	Chatiyah Canaday	Extract Storage		Return to Storage
JC80738-8.4.1 JC86738-8.4.1	Extract Storage	Vincent Drago		Retrieve from Storage
JC80738-8.4.1 JC86738-8.4.1	Vincent Drago	GC7G		Load on Instrument
JC80738-8.4.1 JC86738-8.4.1	GC7G	Vincent Drago		Unload from Instrument
JC00730-0.4.1	GC/G	v meene Diago	03/04/13 00.40	



JC86738
BCMNY ATC Group Services LLC.
South Side Plaza, Jamestown, NY
04/20/19

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Number	FROM	10	Date/11me	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		Extract from JC86738-9.1
JC86738-9.1.1	Organics Prep	Chatiyah Canaday		Extract from JC86738-9.1
JC86738-9.1.1	Chatiyah Canaday	Extract Storage		Return to Storage
JC86738-9.1.1	Extract Storage	Vincent Drago		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		Return to Storage
JC86738-9.2	Matthew Robbins	Secured Storage		Return to Storage
Bottle was returne	ed to secure storage, but	inadvertently not scanned.		0
JC86738-9.3	Secured Storage	Jessica Potts	04/23/19 10:54	Retrieve from Storage
JC86738-9.3	Jessica Potts	GCMSL		Load on Instrument
JC86738-9.3	GCMSL	Jessica Potts		Unload from Instrument
JC86738-9.3	Jessica Potts	Secured Storage		Return to Storage
JC86738-9.4	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-9.4	Payal Rana	GCMS3D		Load on Instrument
JC86738-9.4	GCMS3D	Jessica Potts		Unload from Instrument
JC86738-9.4	Jessica Potts	Secured Storage		Return to Storage
JC86738-10.1	Secured Storage	Payal Rana	04/22/19 21.06	Retrieve from Storage
JC86738-10.1	Payal Rana	GCMS3D		Load on Instrument
JC86738-10.1	GCMS3D	Jessica Potts		Unload from Instrument
JC86738-10.1	Jessica Potts	Secured Storage		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		Return to Storage
500750-10.2	Ivatasna Torres	Secureu Storage	04/30/13 14.20	Neturn 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		Return to Storage
JC86738-10.2.1	Extract Storage	Vincent Drago		Retrieve from Storage
JC86738-10.2.1	Vincent Drago	GC7G		Load on Instrument
	0			Unload from Instrument
JC86738-10.2.1	GC7G	Vincent Drago	03/06/13 00.40	

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

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Number	FROM	10	Date/Time	Keason
JC86738-10.4	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-10.4	Matthew Robbins	Secured Staging Area		Return to Storage
JC86738-10.4	Matthew Robbins	Secured Storage	04/26/19 17:09	Return to Storage
Bottle was returned	ed to secure storage, but i	nadvertently not scanned.		0
JC86738-11.1	Secured Storage	Matthew Robbins	04/26/19 16:16	Retrieve from Storage
JC86738-11.1	Matthew Robbins	Secured Staging Area		Return to Storage
JC86738-11.1	Matthew Robbins	Secured Storage		Return to Storage
	ed to secure storage, but i	nadvertently not scanned.		0
JC86738-11.3	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-11.3	Payal Rana	GCMS3D		Load on Instrument
JC86738-11.3	GCMS3D	Jessica Potts		Unload from Instrument
JC86738-11.3	Jessica Potts	Secured Storage		Return to Storage
	a 1a	Ū		Ū
JC86738-11.4	Secured Storage	Natasha Torres		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		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		Load on Instrument
JC86738-11.4.1	GC7G	Vincent Drago		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		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		Extract from JC86738-12.1
JC86738-12.1.1	Chatiyah Canaday	Extract Storage		Return to Storage
JC86738-12.1.1	Extract Storage	Vincent Drago		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		Return to Storage
JC86738-12.2	Matthew Robbins	Secured Storage		Return to Storage
		nadvertently not scanned.		ð
JC86738-12.5	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-12.5	Payal Rana	GCMS3D		Load on Instrument
	Jui Ivaira	4011302	UI 88 10 81.00	



JC86738
BCMNY ATC Group Services LLC.
South Side Plaza, Jamestown, NY
04/20/19

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		Return to Storage
JC86738-13.1	Matthew Robbins	Secured Storage		Return to Storage
Bottle was return	ed to secure storage, but i			0
JC86738-13.3	Secured Storage	Payal Rana	04/22/19 21:06	Retrieve from Storage
JC86738-13.3	Payal Rana	GČMS3D		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		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		Retrieve from Storage
JC86738-13.4.1	Vincent Drago	GC7G		Load on Instrument
JC86738-13.4.1	GC7G	Vincent Drago		Unload from Instrument
JC86738-13.4.1	Vincent Drago	Extract Freezer		Return to Storage









Orlando, FL

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

e-Hardcopy 2.0 Automated Report

05/17/19

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



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Caitlin Brice, M.S. General Manager

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.

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 This report shall not be reproduced, except in its entirety, without the written approval of SGS. Test results relate only to samples analyzed.

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Please share your ideas about how we can serve you better at: EHS.US.CustomerCare@sgs.com



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Sample Summary

ATC Group Services LLC

Job No:

FA63499

South Side Plaza; 704 Foote Ave, Jamestown, NY

Sample	Collected			Matr		Client	
Number	Date	Time By	Received	Code	Туре	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 Client Sample ID Analyte	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
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Orlando, FL

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Sample Results

Report of Analysis





Report of Analysis

Client Sam Lab Sample Matrix: Method: Project:	e ID: FA634 AQ - C EPA 5	Ground Water 37M BY ID	EPA 537 MOD 4 Foote Ave, Ja		m, NY	Date	e Received: 0	94/17/19 94/20/19 1/a
Run #1 Run #2	File ID 2Q29352.D		Analyzed 04/23/19 20:45	By 5 NG	Prep D 04/22/1	ate 9 13:00	Prep Batch OP74691	Analytical Batch S2Q468
Run #1 Run #2	Initial Volume 250 ml	Final Volu 1.0 ml	me					
PFAS List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
PERFLUO	ROALKYLCA	RBOXYLIC A	ACIDS					
375-22-4	Perfluorobuta	noic acid	8.77	8.0	2.0	ng/l	В	
2706-90-3	Perfluoropenta	anoic acid	15.1	4.0	1.5	ng/l		
307-24-4	Perfluorohexa	noic acid	7.85	4.0	1.0	ng/l		
375-85-9	Perfluorohepta	anoic acid	3.77	2.0	1.0	ng/l		
335-67-1	Perfluorooctar	ioic acid	5.43	2.0	1.0	ng/l		
375-95-1	Perfluoronona	noic acid	ND	2.0	1.0	ng/l		
335-76-2	Perfluorodeca	noic acid	ND	4.0	1.0	ng/l		
2058-94-8	Perfluorounde	canoic acid	ND	4.0	1.0	ng/l		
307-55-1	Perfluorodode	canoic acid	ND	4.0	1.5	ng/l		
72629-94-8	Perfluorotride	canoic acid	ND	4.0	1.0	ng/l		
376-06-7	Perfluorotetra	decanoic acid	ND	4.0	1.0	ng/l		
PERFLUO	ROALKYLSUI	FONATES						
375-73-5	Perfluorobuta	nesulfonic acid	1.74	2.0	1.0	ng/l	J	
355-46-4	Perfluorohexa	nesulfonic acid	2.12	2.0	1.0	ng/l		
375-92-8	Perfluorohepta	anesulfonic aci	d ND	4.0	1.0	ng/l		
1763-23-1	Perfluorooctar			2.0	1.5	ng/l		
335-77-3	Perfluorodeca	nesulfonic acid	ND	4.0	1.0	ng/l		
PERFLUO	ROOCTANESU	JLFONAMID	ES					
754-91-6	PFOSA		ND	4.0	1.0	ng/l		
PERFLUO	ROOCTANESU	JLFONAMID	OACETIC AC	CIDS				
2355-31-9	MeFOSAA		ND	20	4.0	ng/l		
2991-50-6	EtFOSAA		ND	20	4.0	ng/l		
FLUOROT	ELOMER SUL	FONATES						
	6:2 Fluorotelo		ND	8.0	2.0	ng/l		
	8:2 Fluorotelo		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

Page 1 of 2

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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 %

- J = Indicates an estimated value
- $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound

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Report of Analysis

Lab Sample Matrix: Method: Project:	AQ - G EPA 53	EPA 537 MOD 4 Foote Ave, Ja	PA 537 MOD Foote Ave, Jamestown, NY			Date Sampled: 04/18/19 Date Received: 04/20/19 Percent Solids: n/a		
Run #1 Run #2	File ID 2Q29354.D	DF 1	Analyzed 04/23/19 21:15	By NG	Prep D 04/22/1	ate .9 13:00	Prep Batcl OP74691	h Analytical Batch S2Q468
Run #1 Run #2	Initial Volume 250 ml	Final Volu 1.0 ml	me					
PFAS List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
PERFLUO	ROALKYLCAI	RBOXYLIC	ACIDS					
375-22-4	Perfluorobutan	oic acid	10.0	8.0	2.0	ng/l	В	
2706-90-3	Perfluoropenta	noic acid	11.6	4.0	1.5	ng/l		
307-24-4	Perfluorohexa		8.00	4.0	1.0	ng/l		
375-85-9	Perfluorohepta		4.76	2.0	1.0	ng/l		
335-67-1	Perfluorooctan		9.53	2.0	1.0	ng/l		
375-95-1	Perfluoronona	noic acid	ND	2.0	1.0	ng/l		
335-76-2	Perfluorodecar	ioic acid	ND	4.0	1.0	ng/l		
2058-94-8	Perfluorounde	canoic acid	ND	4.0	1.0	ng/l		
307-55-1	Perfluorodode	canoic acid	ND	4.0	1.5	ng/l		
72629-94-8	Perfluorotrideo	canoic acid	ND	4.0	1.0	ng/l		
376-06-7	Perfluorotetrad	lecanoic acid	ND	4.0	1.0	ng/l		
PERFLUO	ROALKYLSUL	FONATES						
375-73-5	Perfluorobutan	esulfonic acid	1.51	2.0	1.0	ng/l	J	
355-46-4	Perfluorohexa	esulfonic aci	d 2.08	2.0	1.0	ng/l		
375-92-8	Perfluorohepta	nesulfonic ac	id ND	4.0	1.0	ng/l		
1763-23-1	Perfluorooctan			2.0	1.5	ng/l		
335-77-3	Perfluorodecar	esulfonic aci	d ND	4.0	1.0	ng/l		
PERFLUO	ROOCTANESU	LFONAMI	DES					
754-91-6	PFOSA		ND	4.0	1.0	ng/l		
PERFLUO	ROOCTANESU	LFONAMII	DOACETIC AC	DS				
2355-31-9	MeFOSAA		ND	20	4.0	ng/l		
2991-50-6	EtFOSAA		ND	20	4.0	ng/l		
FLUOROT	ELOMER SUL	FONATES						
	6:2 Fluorotelo		ND	8.0	2.0	ng/l		
	8:2 Fluorotelo			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



3.2

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FA63499

Report of Analysis

Client Sample ID:			04/40/40
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%

- **J** = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:MW-9Lab Sample ID:FA63499-3Matrix:AQ - Ground WateMethod:EPA 537M BY IDProject:South Side Plaza; 7		ound Water M BY ID	EPA 537 MOD 1 Foote Ave, Jamestown, NY			Date	Date Sampled:04/17/19Date Received:04/20/19Percent Solids:n/a		
Run #1 Run #2	File ID 2Q2935		DF 1.19	Analyzed 04/23/19 21:29	By NG	Prep D 04/22/1	ate 9 13:00	Prep Batcl OP74691	h Analytical Batch S2Q468
Run #1 Run #2	Initial 250 ml	Volume	Final Volu 1.0 ml	ime					
PFAS List									
CAS No.	Comp	ound		Result	RL	MDL	Units	Q	
PERFLUO	ROALK	YLCAR	BOXYLIC	ACIDS					
375-22-4		orobutano		5.90	9.5	2.4	ng/l	JB	
2706-90-3	Perflu	oropentan	oic acid	ND	4.8	1.8	ng/l		
307-24-4		oroĥexano		ND	4.8	1.2	ng/l		
375-85-9	Perflu	oroheptan	oic acid	ND	2.4	1.2	ng/l		
335-67-1		orooctano		3.06	2.4	1.2	ng/l		
375-95-1	Perflu	orononand	oic acid	ND	2.4	1.2	ng/l		
335-76-2	Perflu	orodecano	oic acid	ND	4.8	1.2	ng/l		
2058-94-8	Perflu	oroundeca	noic acid	ND	4.8	1.2	ng/l		
307-55-1	Perflu	orododeca	noic acid	ND	4.8	1.8	ng/l		
72629-94-8	Perflu	orotrideca	noic acid	ND	4.8	1.2	ng/l		
376-06-7	Perflu	orotetrade	canoic acid	ND	4.8	1.2	ng/l		
PERFLUO	ROALK	YLSULF	ONATES						
375-73-5			sulfonic aci	d 1.31	2.4	1.2	ng/l	J	
355-46-4	Perflu	orohexane	esulfonic aci	id ND	2.4	1.2	ng/l		
375-92-8			esulfonic ac		4.8	1.2	ng/l		
1763-23-1			sulfonic aci		2.4	1.8	ng/l	J	
335-77-3	Perflu	orodecane	sulfonic aci	d ND	4.8	1.2	ng/l		
PERFLUO	ROOCT	ANESUI	FONAMI	DES					
754-91-6	PFOS			ND	4.8	1.2	ng/l		
PERFLUO	ROOCI	ANESUI	FONAMI	DOACETIC AC	CIDS				
2355-31-9	MeFO			ND	24	4.8	ng/l		
2991-50-6	EtFOS	SAA		ND	24	4.8	ng/l		
FLUOROT	ELOMI	ER SULF	ONATES						
27619-97-2	6:2 Fl	uorotelom	er sulfonate	6.18	9.5	2.4	ng/l	J	
39108-34-4					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



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Report of Analysis

Client Sample ID: Lab Sample ID: Matrix: Method:	MW-9 FA63499-3 AQ - Ground Water EPA 537M BY ID EPA 537 MOD	Date Sampled: Date Received: Percent Solids:	04/20/19
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%

- J = Indicates an estimated value
- **B** = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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Orlando, FL

Section 4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody



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	Client / Reporting Info	ormation			****		w.sgs.com	natio	on					8.94 8.64 8.64		H.		識.	Anal	ytica	l Inf	orma	ation	140.00	「「「」」	Matrix Codes
Company Name:	NOUPE SELV			Project Na	TH	SID	2 PL	A 2 -	A					1	\$	MLE	ĺ									DW - Drinking Water
Address:				Street 704		<u> </u>	AVE								2	5		1								GW - Ground Water
	NOW VILLA	Z 6 /3 LI	114	City		TOW			<u></u>	Stat	e			-	ŝ.	5										WW - Water SW - Surface
Project Contact:	NSVILLA	H Zip: 44	1910			100	- 1	10	<u>y</u>						2	SI GIVALYTES										Water
JED M	YERS JEDIN	ail: 44625@AT(: w.J. (0/	Fax #											S.	N.										SO - Soil SL- Sludge
Phone #: 6.31	-219-708	5								_				-13	ŝ	2										OI - Oil LIQ - Other Liquid
Sampler(s) Nam	ie(s) (Printed) SDN SIC Sampler 2:			Client Pu	rchase O	rder #									3	~										AIR - Air
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SGS Orlando					SAMPLED		TOTAL # OF	OTHER	¥	Ŧ	1NO3		DI WATER	EOH	3	Ě										
Sample #	Field ID / Point of	Collection	DATE	TIME	BY:	MATRIX	BOTTLES	OTHER	할	HORN	NH H	NAC	ā	ų į	3.	×		_							-	LAB USE ONLY
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FA63499: Chain of Custody Page 1 of 2

FA63499

SGS



4.1

SGS Sample Receipt Summary

Job Number: FA6349	9 0	Client: ATC		Project: SOUTH SIE	E PLAZA					
Date / Time Received: 4/20/20	19 9:00:00 AM	Deliver	y Method: FED EX	Airbill #'s: 10022859	Airbill #'s: 1002285932860003281100490063527622					
Therm ID: IR 1;		Therm	CF: 0.4;	# of Coole	rs: 1					
Cooler Temps (Raw Measure	ed) °C: Cooler	1: (2.7);								
Cooler Temps (Correct	ed) °C: Cooler	1: (3.1);								
Cooler Information	Y or N	L	Sample Informat	ion	Yo	r N	N/A			
1. Custody Seals Present]	1. Sample labels p	resent on bottles	✓					
2. Custody Seals Intact]	2. Samples preserv	ved properly	 Image: A start of the start of					
3. Temp criteria achieved]	3. Sufficient volume	e/containers recvd for analysis:	✓					
4. Cooler temp verification	IR Gun		4. Condition of sam	nple	Intact					
5. Cooler media	Ice (Bag)		5. Sample recvd wi	thin HT	\checkmark					
			6. Dates/Times/IDs	on COC match Sample Label	\checkmark					
Trip Blank Information	Y or N	<u>N/A</u>	7. VOCs have hear	dspace			\checkmark			
1. Trip Blank present / cooler			8. Bottles received	for unspecified tests		\checkmark				
2. Trip Blank listed on COC			9. Compositing inst	tructions clear			\checkmark			
	W or	S N/A	10. Voa Soil Kits/Ja	ars received past 48hrs?			\checkmark			
			11. % Solids Jar re	ceived?			\checkmark			
3. Type Of TB Received			12. Residual Chlor	ine Present?			\checkmark			
Misc. Information										
Number of Encores: 25-Gra	m 5-	Gram	Number of 5035 Field Kits:	Number of L	ab Filtered	Metals:				
Test Strip Lot #s:	pH 0-3	230315	pH 10-12 219813	A Other: (Spe	cify)	-				
Residual Chlorine Test Strip Lo	ot #:									
Comments										
SM001 Rev. Date 05/24/17 Technicia	in: TRINITYM	Date	: 4/20/2019 9:00:00 AM	Reviewer:		Date:				

FA63499: Chain of Custody Page 2 of 2



SGS

4.1 **4**





MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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



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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

Job Number: Account: Project:	FA63499 ATCOHB ATC South Side Plaza	-		wn, NY			
Sample OP74691-MB	File ID 2Q29351.D	DF 1	Analyzed 04/23/19	By NG	Prep Date 04/22/19	Prep Batch OP74691	Analytical Batch S2Q468
	ted here applies to		owing samples:		 	Method: EPA 5	37M BY ID

FA63499-1, FA63499-2, FA63499-3

CAS No. ID Standard Recoveries

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%

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5.1.1 **5**





Limits

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%

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Page 1 of 1



Blank Spike Summary Job Number: FA63499

Job Number: Account: Project:	FA63499 ATCOHB ATC South Side Plaza	-		wn, NY			
Sample OP74691-BS	File ID 2Q29350.D	DF 1	Analyzed 04/23/19	By NG	Prep Date 04/22/19	Prep Batch OP74691	Analytical Batch S2Q468
The QC report	ted here applies to	o the follo	owing samples:			Method: EPA 5	37M 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.

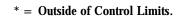




Blank Spike Summary

Job Number: Account: Project:	FA63499 ATCOHB ATC South Side Plaza	-		wn, NY			
Sample OP74691-BS	File ID 2Q29350.D	DF 1	Analyzed 04/23/19	By NG	Prep Date 04/22/19	Prep Batch OP74691	Analytical Batch S2Q468
	ted here applies to		owing samples:			Method: EPA 5	37M BY ID

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%





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5.2.1

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Matrix Spike Summary Job Number: FA63499

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

		FA63499-1	Spike	MS	MS	
CAS No.	Compound	ug/l Q	ug/l	ug/l	%	Limits
075 00 4	D. (h	0 00077 D	0.00	0.0777	0.0	70 100
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
	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
	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 Lin	nits	
	13C4-PFBA	95%	97 %		140%	
	13C5-PFPeA	91%	92%		140%	
	13C5-PFHxA	91%	93%	50- 1	150%	
	13С4-РҒНрА	96 %	99%	50- 1	150%	
	13C8-PFOA	102%	106 %	50- 1	150%	
	13C9-PFNA	101%	102%	50- 1	150%	
	13C6-PFDA	93%	95 %	50 -1	l 50 %	
	13C7-PFUnDA	86%	87 %	50 -1	150%	
	13C2-PFDoDA	115%	110%	50 -1	150%	
	13C2-PFTeDA	81%	74%	40-1	150%	
	13C3-PFBS	90%	91 %	50 -1	150%	

* = Outside of Control Limits.



FA63499

Matrix Spike Summary Job Number: FA63499

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

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%





Duplicate Summary Job Number: FA63499

Account:

Project:	South Side Plaza	; 704 Foot	te Ave, Jamesto	wn, 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:

ATCOHB ATC Group Services LLC

FA63499-1, FA63499-2, FA63499-3

		FA63499)-3	DUP			
CAS No.	Compound	ug/l	Q	ug/l	Q	RPD	Limits
375-22-4	Perfluorobutanoic acid	0.00590	IR	0.00353	T	50*	30
2706-90-3	Perfluoropentanoic acid	ND	30	ND	J	nc	30 30
307-24-4	Perfluorohexanoic acid	ND		ND		nc	30 30
375-85-9	Perfluoroheptanoic acid	ND		ND		nc	30 30
335-67-1	Perfluorooctanoic acid	0.00306		0.00223	T	nc 31*	30 30
375-95-1	Perfluorononanoic acid	ND		ND	J	nc	30
335-76-2	Perfluorodecanoic acid	ND		ND		nc	30 30
2058-94-8	Perfluoroundecanoic acid	ND		ND		nc	30 30
307-55-1	Perfluorododecanoic acid	ND		ND		nc	30
	Perfluorotridecanoic acid	ND		ND		nc	30 30
376-06-7	Perfluorotetradecanoic acid	ND		ND		nc	30 30
375-73-5	Perfluorobutanesulfonic acid	0.00131	т	ND		nc 200*	30 30
375-75-5 355-46-4	Perfluorohexanesulfonic acid	ND	J	ND		nc	30 30
375-92-8	Perfluoroheptanesulfonic acid	ND		ND		nc	30 30
1763-23-1	Perfluorooctanesulfonic acid	0.00239	т	ND		nc 200*	30 30
335-77-3	Perfluorodecanesulfonic acid	0.00233 ND	J	ND		nc	30 30
754-91-6	PFOSA	ND		ND		nc	30 30
2355-31-9	MeFOSAA	ND		ND		nc	30 30
2355-51-9 2991-50-6	EtFOSAA	ND		ND			30 30
	6:2 Fluorotelomer sulfonate	0.00618	т	0.00411	т	nc 40*	30 30
	8:2 Fluorotelomer sulfonate	0.00018 ND	J	0.00411 ND	J		30 30
39100-34-4	8.2 Fluoroteromer surronate	ND		ND		nc	30
CAS No.	ID Standard Recoveries	DUP		FA63499)-3	Limits	
		201					
	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	

118%

139%

91%

142%

111%

128%

88%

115%

* = Outside of Control Limits.

13C7-PFUnDA

13C2-PFDoDA

13C2-PFTeDA

13C3-PFBS



Method: EPA 537M BY ID

SGS

50-150%

50-150%

40-150%

50-150%

5.4.1 **5**

Duplicate Summary Job Number: FA63499

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
2Q29356.D	1.56	04/23/19	NG	04/22/19	OP74691	S2Q468
2Q29355.D	1.19	04/23/19	NG	04/22/19	OP74691	S2Q468
	v	v	•			v

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.

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APPENDIX C

INDOOR AIR LABORATORY REPORT



Dayton, NJ

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

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



MEng

Mike Earp General Manager

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.

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)

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SGS North America Inc. • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499

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

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1 of 12

07/09/19

Automated Report

e-Hardcopy 2.0

Sections:

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4.2: Summa Canister and Flow Controller Log	10
4.3: Sample Tracking Chronicle	
4.4: Internal Chain of Custody	



Sample Summary

ATC Group Services LLC.

Job No: JC87567

South Side Plaza, Jamestown, NY

Sample	Collected	Time By	Matrix	Client
Number	Date		Received Code Type	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	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

JC87567-1 IA-01

No hits reported in this sample.

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Dayton, NJ

ω Section 3

Sample Results

Report of Analysis





SGS LabLink@1045292 12:46 09-Jul-2019

			Report	of Analy	/ SIS			Pa	ge 1 of 1
Client Sam Lab Samp Matrix: Method: Project:		IA-01 JC87567-1 AIR - Indoor Air Comp TO-15 South Side Plaza, James		D: A1092		Date Samp Date Recei Percent So	ved: 05/	/02/19 /03/19	
Run #1 Run #2	File ID 5W3638		nalyzed 5/08/19 14:50	•	rep Date 'a	Prep n/a	Batch	Analytica V5W1484	
Run #1 Run #2	Initial V 660 ml	Volume							
CAS No.	MW	Compound	Res	sult RL	MDL	Units Q	Result	RL	MDL Unit
156-60-5 156-59-2 127-18-4 79-01-6 75-01-4	96.94 96.94 165.8 131.4 62.5	trans-1,2-Dichloroethy cis-1,2-Dichloroethyle Tetrachloroethylene Trichloroethylene Vinyl chloride		0.20 0.04 0.04	0 0.012 0 0.031 0 0.019	ppbv ppbv ppbv	ND ND ND ND ND	0.79 0.79 0.27 0.21 0.51	0.029 ug/m 0.048 ug/m 0.21 ug/m 0.10 ug/m 0.056 ug/m
CAS No.		gate Recoveries	Run# 1	Run# 2	Limits				
460-00-4	4-Bron	nofluorobenzene	112%		65-128%)			

Report of Analysis

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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



Section 4

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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



SGS

Client / Reporting inf	TTRellon		1917 IL DAVIS MILLANDA		2235 Route TEL: 732-329- www	th America Ir 130, Dayto	nc Dayton in, NJ 08810 (732-329-3 hsusa	0	[FED-EX Track# SGS Quote #	vg #	PAG	SGS Job #	0F 542 5(2	519 87 Request	-C	
ATC GLOUP SERVICES ATC GLOUP SERVICES BID SNOWVILE RO SRECESVILE OHIO SRECESVILE OHIO Opticionned SED MYCES JEP. Myce	z1p 4 i 4 i	. (04	Street 71 City	0 MES	1 5:02 FOITE TONTE	-	2 ∧ 0	State 1		Temperature (Fr Start Stop Atmoshpheric P Start	hrenheit) ressure (incher	Maximum Minimum:			chloructhyler		y 313
hone # Fax #			Client F	Purchase	: Order #		918 W.C. (11944 W.			Stop: Other weather c		Minimum:			No.		
Lab Sample # Field ID / Point of Collection		anister Canis	er Size Flor Flor Contro Seria	w	Date	Time (24hr	Canister Pressure ("Hg)	Interior Temp	Sampler Init.	Date	Stop Samp Time (24hr clock)	Canister Pressure ("Hg)	Interior	Sampler Init.	5-01		
- IA-01 > parchuirloon	TA	NLY/		22		clock) 9:55	21.5	(F) 67'	ĴŜ	5/2/9	S:45	6.5	67	لكل			
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s bay 3 day 2 day 2 day 1 day	Approved By:				All NJDEP Tr Comm A Comm B Reduced T2 Full T1 Other:	Data Delive O-15 is ma]			Comments					
and the same of th	9 1311	stody must be	documented be	low sad	DKQP reporting ch time sample	Reliniuished I	in,		ig courier	Date Time:	ientory is ver	Received By	-	the Labo	ratory		
Form:SM088-03D (nevised 2-12-18)	5	Ned By:	KGy	<u>გ</u>		Custody Seal i					1					J-conditi	

JC87567: Chain of Custody Page 1 of 2

SGS

4

SGS Sample Receipt Summary

Date / Time Received: 5/3/2019 4:00:00 PM Delivery Method:	Job Number: Jo	5073	107		chent:	ATC GRO			.LU.	-	SOUTH SID				
Cooler Temps (Corrected) *C: Cooler Security Y or N Y or N 1. Custody Seals Present: 3. COC Present: 1. Sample Integrity - Documentation Y or N 2. Custody Seals Intact: 4. Smpl Dates/Time OK 1. Sample labels present on bottles: 1. Sample labeling complete: 3. Sample container label / COC agree: 1. Sample labeling complete: 1. Sample labeling complete: 3. Sample container label / COC agree: 1. Sample labeling complete: 3. Sample labeling complete: 3. Sample container label / COC agree: 1. Sample labeling complete: 1. Sample labeling complete: 3. Sample labeling complete:	Date / Time Received: 5/	3/20)19 4:0)0:00 F	M	Delivery I	Method:			Airbill #	#'s:				
Cooler Security Y or N Y or N Sample Integrity - Documentation Y or N 1. Custody Seals Present: 3. COC Present: 4. Smpl Dates/Time OK Cooler Temperature Y or N 1. Sample labels present on bottles: Container labeling complete: Container label/ COC agree: Container label/ COC agree: Sample Integrity - Condition Y or N 1. Temp criteria achieved: NA Scoler media: N/A Sample Integrity - Condition Y or N Sample Integrity - Condition Y or N 2. Cooler media: N/A Sample Integrity - Instructions Y or N 3. Cooler media: N/A Sample Integrity - Instructions Y or N 1. Trip Blank present / cooler: Imate Sample Integrity - Instructions Y or N 1. Trip Blank listed on COC: Imate Imate Sample Integrity - Instructions Y or N 2. VOCs headspace free: Imate Imate Sample Integrity - Instructions clear: Imate 3. Samples preserved property: Imate Imate Imate Imate <tr< th=""><th>Cooler Temps (Raw Meası</th><th>ured</th><th>) °C:</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr<>	Cooler Temps (Raw Meası	ured) °C:												
1. Custody Seals Present: Image: Strip Lot #s: Image: Strip Lot #strip Lot #s	Cooler Temps (Correc	cted) °C:												
1. Sample labels present in bottles: Image: Control of the served property: 2. Custody Seals Intact: Image: Control of the served property: 1. Trip Blank listed on COC: Image: Control of the served property: 2. Trip Blank listed on COC: Image: Control of the served property: 3. Samples preserved property: Image: Control of the served property: 4. VOCs headspace free: Image: Control of the served property: 5. Filtering instructions clear: Image: Control of the served property: 6. Container labels preserved property: Image: Control of the served property: 7. Trip Blank listed on COC: Image: Control of the served property: 8. Samples preserved property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the served property: Image: Control of the served property: 9. Control of the	Cooler Security	Y	or N	<u> </u>			Yo	<u>r N</u>	Sample Integrit	ty - Docun	nentation	<u>Y</u>	or	N	
2. Container labeling complete: 2. Container labeling complete: 2. Container labeling complete: 2. Conter Temperature Y or N 1. Temp criteria achieved: 3. Sample container label / COC agree: ✓ 2. Cooler temp verification: N/A 3. Cooler media: N/A 4. No. Coolers: N/A 2. Trip Blank present / cooler: ✓ 2. Trip Blank listed on COC: ✓ 3. Samples preserved properly: ✓ 4. VOCs headspace free: ✓ ✓ ✓ Test Strip Lot #s: pH 1-12: 206717 pH 12+: 208717 Other: (Specify)			_	_					1. Sample labels	present on	bottles:	\checkmark			
Looler Temperature Y or N 1. Temp criteria achieved:	2. Custody Seals Intact:	⊻	L	4.	Smpl Date	es/Time OK	\checkmark		2. Container labe	ling comple	ete:	\checkmark			
2. Cooler temp verification: N/A 3. Cooler media: N/A 4. No. Coolers: N/A 2. All containers accounted for: Intact 2. All containers accounted for: Intact 3. Cooler media: N/A 4. No. Coolers: N/A 1. Trip Blank present / cooler: Image: state of the sta	Sooler Temperature		Y	or N	_				3. Sample contai	ner label / (COC agree:	\checkmark			
3. Cooler media: N/A 4. No. Coolers: N/A Quality Control_Preservation Y or N N/A 1. Trip Blank present / cooler: Image: Cooler within HT: 2. Trip Blank listed on COC: Image: Cooler within HT: 3. Samples preserved properly: Image: Cooler within HT: 4. VOCs headspace free: Image: Cooler within HT: 9. Coolers: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 9. All containers accounted for: Image: Cooler within HT: 1. Trip Blank listed on COC: Image: Cooler within HT: 1. Analysis requested is clear: Image: Cooler within HT: 1. Analysis requested for unspecified tests Image: Cooler within HT: 1. Sufficient volume recvd for analysis: Image: Cooler within HT: 1. VOCs headspace free: Image: Cooler within HT: 1. Voctor headspace Image: Cooler within HT: 1. Strip Lot #s: Image: Cooler within HT: 1. Sufficient volume recvd for analysis: 1. Strip Lot #s: 1.	1. Temp criteria achieved:]				Sample Integri	ity - Condi	ition	<u>Y</u>	or	N	
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Quality Control_Preservation Y or N N/A 1. Trip Blank present / cooler: Image: Condition of sample: Intact 2. Trip Blank listed on COC: Image: Condition of sample: Image: Condition of sample: 3. Samples preserved properly: Image: Condition of sample: Image: Condition of sample: 3. Samples preserved properly: Image: Condition of sample: Image: Condition of sample: 4. VOCs headspace free: Image: Condition of sample: Image: Condition of sample: 5. Filtering instructions clear: Image: Condition of sample: Image: Condition of sample: 7. Trest Strip Lot #s: pH 1-12: 206717 206717 pH 12+: 208717 Other: (Specify)						-			2. All containers	accounted f	for:				
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1. Trip Blank present / cooler: 2. Trip Blank listed on COC: 3. Samples preserved properly: 4. VOCs headspace free: 9 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)	Quality Control Preservat	tion	<u>Y</u>	or N	N/A	<u> </u>			Sample Integri	itv - Instru	uctions	Y	or	N	N/A
2. Trip Blank listed on COC: Image: Constraint of the state of	1. Trip Blank present / cooler	:		✓						-					
4. VOCs headspace free: Image: Compositing instructions clear: Image: Compositing instructions clear: 4. Compositing instructions clear: Image: Compositing instructions clear: Image: Compositing instructions clear: Test Strip Lot #s: pH 1-12: 206717 pH 12+: 208717 Other: (Specify)	2. Trip Blank listed on COC:			\checkmark										\checkmark	
4. VOCs headspace free: Image: Compositing instructions clear: Image: Compositing instructins c	3. Samples preserved proper	ly:	\checkmark]				3 Sufficient volu	Ime recvd fo	or analysis				
Test Strip Lot #s: pH 1-12: 206717 pH 12+: 208717 Other: (Specify)	4. VOCs headspace free:			~							3				\checkmark
									5. Filtering instru	uctions clea	ar:				\checkmark
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Comments	Test Strip Lot #s:	pН	1-12:		206717		рH	12+:	208717	C	Other: (Specify))			
Comments															
	Comments														

SM089-03 Rev. Date 12/7/17

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JC87567

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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

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Flow	Date		cc/	Time	Date		cc/	Flow	
Crtl ID	Out	By	min	hrs.	In	By	min	RPD	Equipment Type
FC622 * Flow c	04/29/19 ontroller R		9.6 20%	8	05/06/19	JT	11.8	20.6*	Flow Controller
SGS Bot AK-0426	tle Order(19-68	s):							
Prep Dat 04/29/19		om Te	mp(F)	Bar 1 29.92	Pres "Hg 2				

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4.2



SGS North America Inc.

Internal Sample Tracking Chronicle ATC Group Services LLC. Job No: JC87567 South Side Plaza, Jamestown, NY Sample Number Method **Test Codes** Analyzed By Prepped By JC87567-1 Collected: 02-MAY-19 05:45 By: JSJ Received: 03-MAY-19 By: TRS IA-01

JC87567-1 TO-15

08-MAY-19 14:50 TCH

VTO15PCE

4.3 **4**

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

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