



LIMITED SUBSURFACE INVESTIGATION REPORT

**64 CENTRE POINTE
64 CENTRE AVENUE
NEW ROCHELLE, NEW YORK 10801**

ATC PROJECT NO. 1011601690

Prepared for:
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February 17, 2020

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Project Name 64 Centre Pointe
Project Address 64 Centre Avenue, New Rochelle, New York
Job Reference 1011601690
Date February 17, 2020

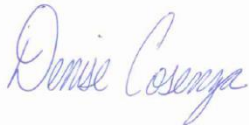
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1.0 INTRODUCTION

ATC Group Services LLC (ATC) is pleased to submit this Limited Subsurface Investigation (LSI) Report to Fortress Credit Advisors LLC for the property located at 64 Centre Avenue, New Rochelle, New York 10801 (hereafter referred to as "Subject Property"). The report summarizes the soil, groundwater and soil vapor sampling results for soil borings completed on the property in February 2020. The Subject Property location is shown on Figure 1.

1.1 Background

The purpose of this investigation was to further evaluate *recognized environmental conditions* identified in the Phase I ESA prepared by ATC, dated January 2020, as follows:

- 1) The Subject Property structure on parcel 8 was developed for use as an automotive garage since its construction in 1910. According to Building Department records, the structure on parcel 6 was utilized for car washing and greasing at its construction in 1933. The City Directories reviewed, indicate the Subject Property continued its use for automotive purposes until at least 2014. The Subject Property is listed with one (1) 4,000-gallon gasoline underground storage tank (UST) and one (1) 2,000-gallon gasoline UST that were "closed prior to 04/91". One (1) 750-gallon UST with unknown contents, one (1) 500-gallon waste oil UST, one (1) gasoline UST of unknown size and one (1) 550-gallon waste oil UST that are listed as removed. No closure reports and/or analytical data is available for these removed tanks. A geophysical survey was conducted in 2007 and only identified one waste oil UST on the Subject Property. Based on the limited information provided, it appears that only the paved area between the garage and the Centre Avenue sidewalk was scanned on parcel 8. The interior of the buildings and parcel 6 were not included in the survey and it should be noted that three gasoline tanks were depicted on parcel 6 on the 1951 Sanborn map.

During the removal of one (1) 750-gallon UST and one (1) 550-gallon waste oil UST, Leaking Tank Incident Report (LTANKS) Case No. 1308480 was opened on November 20, 2013 when an underground waste oil tank leaked. It should be noted that the 750-gallon UST was not previously identified in the geophysical survey conducted on parcel 8. The waste oil tank was removed and a temporary monitoring well was installed in the area of the leaking tank. It is reported that the 750-gallon UST was removed as well. The database listing indicates that trace levels of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) were detected in the groundwater sample collected from this monitoring well. Based on this information, the LTANKS case was closed on April 28, 2015. The provided tank closure letter has limited information and does not include a site plan with sampling or tank locations or results of the endpoint samples collected. Therefore, the longtime use of the Subject Property as an automotive repair facility (over 100 years) with limited subsurface investigations on portions of parcel 8 and no data for parcel 6 is considered a *Recognized Environmental Condition* (REC).

- 2) The northwestern adjoining property was first identified as a dry cleaner on the 1931 Sanborn map. It has continued use as a dry cleaner identified on the 1972 through 2014 City Directories, and on the NY Dry Cleaning Database from 1980 until 2014. Historically, wastes generated included chromium, lead, tetrachloroethylene (Perc), trichlorethylene (PCE), and spent halogenated solvents. This dry cleaning facility was observed to be operating during the site reconnaissance in January 2020. Although no releases have been reported, dry cleaners typically generate large quantities of hazardous wastes and are known to have high frequencies of spills and discharges due to poor housekeeping procedures. Based on its close proximity and longtime use as a dry cleaner (approximately 90 years) with use of chlorinated

solvents, this adjoining facility, which represents an uninvestigated risk, is considered to be a Vapor Encroachment Condition (VEC) and a REC.

1.2 Property Location and Description

The Subject Property consists of two parcels totaling approximately 0.27 acres that was previously developed with two (2) single-story buildings. The garage building that was located on parcel 8 was constructed in 1910 and was 2,800 square feet in size. The structure that was located on parcel 6 was constructed in 1933 and was 1,058 square feet in size. These structures were demolished and paved areas were excavated prior to the start of this investigation

2.0 PHYSICAL SETTING

2.1 Topography

According to the United States Geological Survey (USGS) 7.5-Minute Quadrangle, *Mount Vernon, NY*, dated 2015; the elevation of the Subject Property is approximately 100 feet above mean sea level. Topography of the Subject Property is generally level. Regional topographic slope is to the northeast. A copy of the topographic map is included as part of Figure 1.

2.2 Soils/Geology

According to the United States Department of Agriculture (USDA) Web Soil Survey, the Subject Property is underlain by soils classified as Urban Land. Urban Land refers to soils that have been altered by urban development such as buildings and streets, where at least 85 percent of the surface is covered with asphalt, concrete or other impervious building material. Typically, these soils have been mixed with other materials, such as brick and concrete.

During soil borings completed on February 4, 2020; brown fine to medium sand, with gravel and crushed stone in places, was encountered throughout the Subject Property to a depth of 17 feet below ground surface (bgs). Evidence of fill-type material that included sand, brick, rock fragments and gravel was present to a depth of 4 to 7 feet bgs at all five boring locations.

2.3 Hydrogeology

Based on the review of a prior geotechnical investigation report with field work conducted in November 2018, groundwater was encountered at approximately 5 to 9 feet bgs. However, regional groundwater flow direction is generally influenced by major hydrogeologic features such as a river or lake. Surface and/or bedrock topography may also influence regional groundwater flow direction. The available hydrogeologic information indicates that the presumed local groundwater flow direction is toward the northeast. It should be noted that local geologic features may cause local groundwater flow direction to differ from the regional flow direction. Local hydraulic gradient at the Subject Property was interpreted based on a review of the Mount Vernon, New York USGS Topographic Map.

In the soil borings completed on February 4, 2020, groundwater was only encountered at approximately 7 feet bgs in one boring location, SB-5. It should be noted that boring locations SB-1 through SB-4 were extended to 10 to 17 feet bgs and groundwater was not encountered at these locations.

3.0 LIMITED SUBSURFACE INVESTIGATION ACTIVITIES

3.1 Preliminary Activities

Prior to mobilizing to the Subject Property, preliminary activities included: coordinating with building management personnel for access to the Subject Property; scheduling with the drilling subcontractor; 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 Geophysical Survey

A geophysical survey was completed on February 3, 2020 to: (1) identify potential underground storage tanks (USTs) associated with historical site operations, and (2) investigate subsurface structures, utilities and anomalies in the areas of the proposed soil boring locations so that they can be avoided during drilling activities.

The geophysical method employed included a TW-6 hand-held electromagnetic metal detector, a Radiodetection (RD) transmitter and receiver used for pipe and cable locating, and a Geophysical Survey System, Inc. (GSSI) UtilityScan HS cart-mounted ground penetrating radar (GPR) system with a 350 MHz antenna.

3.3 Soil Borings and Soil/Groundwater Sampling Activities

On February 4, 2020, one (1) soil boring (SB-2) was advanced in the former parking area of Parcel 8 to assess potential impacts from the northwestern adjacent dry cleaning facility; one (1) soil boring (SB-1) was advanced in the area of the former garage building on Parcel 8; two (2) soil borings (SB-3 and SB-4) were advanced on Parcel 6; and one (1) soil boring (SB-5) was advanced in the center of the two parcels in an effort to collect groundwater. The soil borings were advanced using a Geoprobe® drilling rig (Geoprobe 6600 or similar). Continuous soil cores were collected at each boring location to a depth of approximately 10 and 17 feet bgs, or the water table at 7 feet bgs in soil boring SB-5. Recovered soil cores were logged for lithology and field screened to identify visual or olfactory evidence of impacts. In addition, each soil core was screened with a portable photoionization detector (PID) to obtain qualitative measurements of volatile organic vapors. At each boring location, one (1) grab soil sample was collected based on field screening (e.g., staining, odor, and/or PID readings). If no elevated PID readings or visual/olfactory observations of impacted soils were noted from the subsurface soil intervals, the soil sample was collected from approximately 5 feet below grade.

Soil samples were collected into the appropriate laboratory supplied containers and placed in a cooler at 4°C for shipment to Chemtech Laboratories in Mountainside, New Jersey (New York State Department of Health (NYSDOH) ELAP Certification Number 11376) for analyses. The samples were analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260 and Semi-Volatile Organic Compounds (SVOCs) Base-Neutrals (B/N) by EPA Method 8270, Target Analyte List (TAL) metals by EPA Method 6010B and polychlorinated biphenyls (PCBs) per EPA Method 8082A. No Quality Assurance/Quality Control (QA/QC) samples were collected.

As shown in Figure 2, a temporary well was installed at one boring location to collect a groundwater sample (SB-5). The temporary well consisted of a 1-inch PVC screen and riser that was installed within the open borehole to collect the sample. The water sample was collected using dedicated tubing and a check valve.

The water sample was collected into the appropriate laboratory supplied containers and placed in a cooler at 4°C for shipment to Chemtech Laboratories for analyses. The water sample was analyzed for VOCs by EPA Method 8260 and SVOC B/N by EPA Method 8270. No QA/QC samples were collected.

Upon completion of drilling, each boring was filled to near grade with drill cuttings.

3.4 Soil Vapor Sampling Activities

As shown in Figure 2, one (1) temporary soil vapor point was installed the southwestern portion of the Subject Property. The sample was collected in accordance with the New York State Department of Health (NYSDOH) Vapor Intrusion (VI) Guidance document, October 2008. A 1-7/8 inch long, ½ inch diameter one-piece molded high-density porous polyethylene screen implant was installed approximately 5-feet below the existing grade. The implant was fitted with a 1/8 to 1/4-inch diameter, laboratory grade, polyethylene tubing that extended to the surface. The annular space was backfilled with a #1 sand to 1-foot above the screen, with the remainder of the borehole backfilled with drill cuttings and a minimum 1-foot thick bentonite slurry to grade. The sample was collected in an appropriate sized Summa canister that had been certified clean by the laboratory. Flow rate for both purging and sampling did not exceed 0.2 L/min. Following soil vapor implant placement, one to three implant volumes were purged prior to the collection of the soil-gas sample. To confirm the integrity of the annular seal, a helium tracer gas was placed around the base of the probe and at various connections in the sampling system prior to sampling. A vapor sample from the probe was then be measured for helium using a field instrument. The presence of > 5% helium in the vapor sample confirms a leak. No leaks were detected. When no helium was detected, the integrity of the seal was confirmed to be preventing outside air from entering the borehole.

The vapor sample was analyzed for VOCs in accordance with EPA Method TO-15. The method detection limit for the VOC sample shall be at least 5 parts per billion volts (ppbv). The SUMMA canister used in the investigation was certified clean by the laboratory. After collection, the SUMMA canister was submitted to Chemtech Laboratories for analysis.

4.0 RESULTS

4.1 Geophysical Survey

Except for various utilities including electric, water and sewer lines located close to Centre Avenue, no other utilities or anomalies were identified in the remaining portions of the Subject Property that were surveyed during the geophysical survey. No metallic anomalies that would be consistent with a UST were detected on the Subject Property.

4.2 Field Observations

Fill material consisting of brown sand with some brick, gravel and crushed stone was encountered at all soil boring locations from grade to a depth between of 4 feet and 7 feet bgs. Fine to medium sand was encountered below the fill material to a depth of 17 feet bgs. Refusal was encountered between 12 feet and 17 feet bgs in boring locations SB-2, SB-3 and SB-4. Groundwater was encountered only in boring location SB-5 at a depth of 7 feet bgs. No visual or olfactory evidence of impacts were observed with the exception of a petroleum odor encountered in boring SB-1 at a depth of 6 feet bgs with a soil gas PID reading of 247 parts per million vapor (ppmv). Soil gas PID readings ranged from 0 ppmv to 2.7 ppmv in boring locations SB-2 and SB-3. Soil boring locations SB-4 and SB-5 had PID readings of 0 ppmv. Complete boring logs are present in Appendix A.

4.3 Soil Boring Analytical Results

All VOCs were either non-detect or measured in the collected soil samples at concentrations below the Unrestricted Use Soil Cleanup Objectives (USCOs) and Residential Use SCOs (RSCO) as defined in 6 New York Code of Rules and Regulations (NYCRR) Part 375-6.8, Tables 375-6.8(a&b) with CP-51 Soil Cleanup Guidance, New York State Department of Environmental Conservation (NYSDEC), dated October 21, 2010. Measured VOCs included cyclohexane, methylcyclohexane, ethyl benzene and isopropyl benzene in SB-1 (Table 1). Ethylbenzene and isopropylbenzene were detected at concentrations less than their respective RSCOs and/or USCOs. Cyclohexane and methylcyclohexane have no listed SCO.

The SVOC compound 2-methylnaphthalene was detected at a concentration of 29.5 milligrams per kilogram (mg/kg) in soil boring SB-1 that exceeds its RSCO of 0.41 mg/kg. There is no USCO for this compound. The SVOC compounds detected in the retrieved soil samples included phenol, dimethylphthalate, acenaphthene, dibenzofuran, fluorene, phenanthrene, fluoranthene and pyrene that were measured at concentrations less than their respective RSCO and/or USCO (Table 2). None of the remaining SVOCs were measured at concentrations in excess of their laboratory method detection limits (MDLs).

Cadmium was measured in boring SB-2 at a concentration of 2.67 mg/kg, which is above the USCO and RSCO of 2.5 mg/kg (Table 4). Iron was detected at concentrations above the RSCO of 2,000 mg/kg at all five boring locations ranging from 12,500 mg/kg to 37,100 mg/kg (Table 4). In SB-5, lead was detected at 540 mg/kg that is above the USCO of 63 mg/kg, and mercury was detected at 2.42 mg/kg which is above the USCO of 0.18 mg/kg (Table 4). None of the remaining metals were measured at concentrations above their respective USCOs or RSCOs.

PCBs were not detected about their respective MDLs.

4.4 Groundwater Analytical Results

VOCs were not detected above their respective MDLs in the groundwater sample collected at SB-5-WS (Table 5).

No SVOCs were measured in the retrieved groundwater sample at concentrations above their respective New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series 1.1.1 (TOGS) Ambient Water Quality Standard and Guidance Values (WQSGV) (Table 6), except for phenol at SB-5-WS. Phenol was detected at 2.7 micrograms per liter (micrograms per liter [µg/l]), which is above the TOGS WQSGV of 1 µg/l. Complete laboratory analytical reports are present in Appendix B.

4.5 Soil Vapor Analytical Results

ATC compared the soil gas sample laboratory analytical results to the NYSDOH Soil Vapor/Indoor Air Matrices A through C (revised May 2017) of the NYSDOH Vapor Intrusion Guidance document (October 2006) and the United States Department of Environmental Protection Agency (USEPA) Residential Soil Vapor Screening Level (RSVSL) and Commercial Soil Vapor Screening Level (CSVSL).

Several VOCs were measured in the soil vapor sample collected from the Subject Property (Table 7). The following compounds: 1,2,4-trimethylbenzene, 2,2,4-trimethylpentane, 2-butanone, acetone, benzene, carbon tetrachloride, chloromethane, cyclohexane, dichlorodifluoromethane, ethyl benzene, heptane, m/p-xylene, methylene chloride, o-xylene, tetrachloroethene, toluene and trichlorofluoromethane were detected below the NYSDOH Minimum Soil Vapor Matrix Concentration guidance level, EPA RSVSL and EPA CSVSL in the collected soil vapor sample SV-1. The remaining analytes were not measured above their respective MDLs.

The complete laboratory analytical report is present in Appendix B.

5.0 CONCLUSIONS

ATC has completed a Limited Subsurface Investigation to assess the Subject Property for possible impact from potential off-site sources and from historical operations associated with the Subject Property. ATC offers the following findings/conclusions, based on the sampling activities conducted in February 2020:

- No VOCs or PCBs were identified above their respective NYSDEC RSCOs or USCOs in soil samples collected.
- With the exception of 2-methylnaphthalene in soil boring SB-1, none of the detected SVOCs were measured at concentrations above their respective RSCOs and/or USCOs. It is not likely the NYSDEC would require remedial action for this elevated level.
- Metals including cadmium, iron, lead and mercury were measured in one or more boring locations at concentrations which were above their respective USCOs and/or RSCOs.
- Although the Subject Property does not appear to be impacted above standards throughout the footprint of the property, there is insufficient data to make a definitive statement regarding disposal options at this time. We recommend the development of a soil management plan to properly characterize the soil for disposal and possible reuse on-site in accordance with 6 NYCRR 360-7.1 and 6 NYCRR 375-6 with NYSDEC CP-51. Once a disposal facility is chosen, they will require additional characterization sampling. A Soil Management Plan would guide the excavation process, including guidance with a pre-characterization sampling plan for disposal that would occur before excavation activities start or real-time sampling from stockpiles once excavation begins.
- No VOCs or SVOCs were detected in groundwater above the NYS TOGS Class GA guidance and regulatory standards with the exception of Phenol. It is not likely the NYSDEC would require remedial action for this elevated level.
- The soil gas sample laboratory analytical results from SV-1 indicated the presence of several VOCs. However, no compounds detected exceeded the NYSDOH Minimum Soil Vapor Matrix Concentration guidance level, EPA RSVSL or EPA CSVSL. The proposed "Option A" vapor barrier identified by the developer should be sufficient with the intended use of the basement level of the proposed building as a ventilated garage. However, as a precautionary measure, ATC suggests that the minimum thickness of the vapor barrier be 15 mil (0.015 inches).

6.0 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 Subject 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 Subject 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.

7.0 RELIANCE

This Report is for the use and benefit of, and may be relied upon by, Fortress Credit Co LLC, Fortress Credit Corp., Fortress Credit Advisors LLC, Fortress Real Estate Opportunities Advisors LLC, Drawbridge Special Opportunities Fund LP, any fund or account managed directly or indirectly by Fortress Investment Group LLC, and any of its and their respective assigns, affiliates, agents and advisors; any initial and subsequent holders from time to time of any debt and/or securities backed in whole or in part, directly or indirectly, by assets covered by this Report; any initial and subsequent holders of any participation or beneficial interest in any such debt and/or securities; any trustee, servicer or other agent acting on behalf of holders of such debt and/or securities; any rating agencies providing ratings to any such securities; and any institutional providers from time to time of any liquidity facility or credit support for the financing of any such debt and/or securities; and their respective successors and assigns. In addition, this Report and/or a reference to this Report may be included or quoted in any offering circular, registration statement, prospectus or sales brochure (in either electronic or hard copy format) in connection with a securitization, syndication or similar transaction involving such debt and/or such securities.

8.0 REFERENCES

New York State Department of Conservation, *6 NYCRR Part 375, Environmental Remedial Programs*, December 14 2006.

New York State Department of Conservation, *CP-51 Soil Cleanup Guidance*, October 21, 2010.

NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Ambient Water Quality Standard and Guidance Values (WQSGV).

New York State Department of Health (NYSDOH) Sub-Slab Soil Vapor Guidance Values (AGVs) listed in Matrices A through C (revised May 2017) of the NYSDOH Vapor Intrusion Guidance document (October 2006).

Phase I Environmental Site Assessment for Centre Pointe, 64 Centre Avenue, New Rochelle, New York 10801, prepared by ATC Group Services LLC and dated January 15, 2020.

United States Department of Environmental Protection Agency (USEPA) Commercial Target Soil Vapor Screening Level (CSVSL).

United States Department of Environmental Protection Agency (USEPA) Residential Soil Vapor Screening Level (RSVSL).



FIGURES

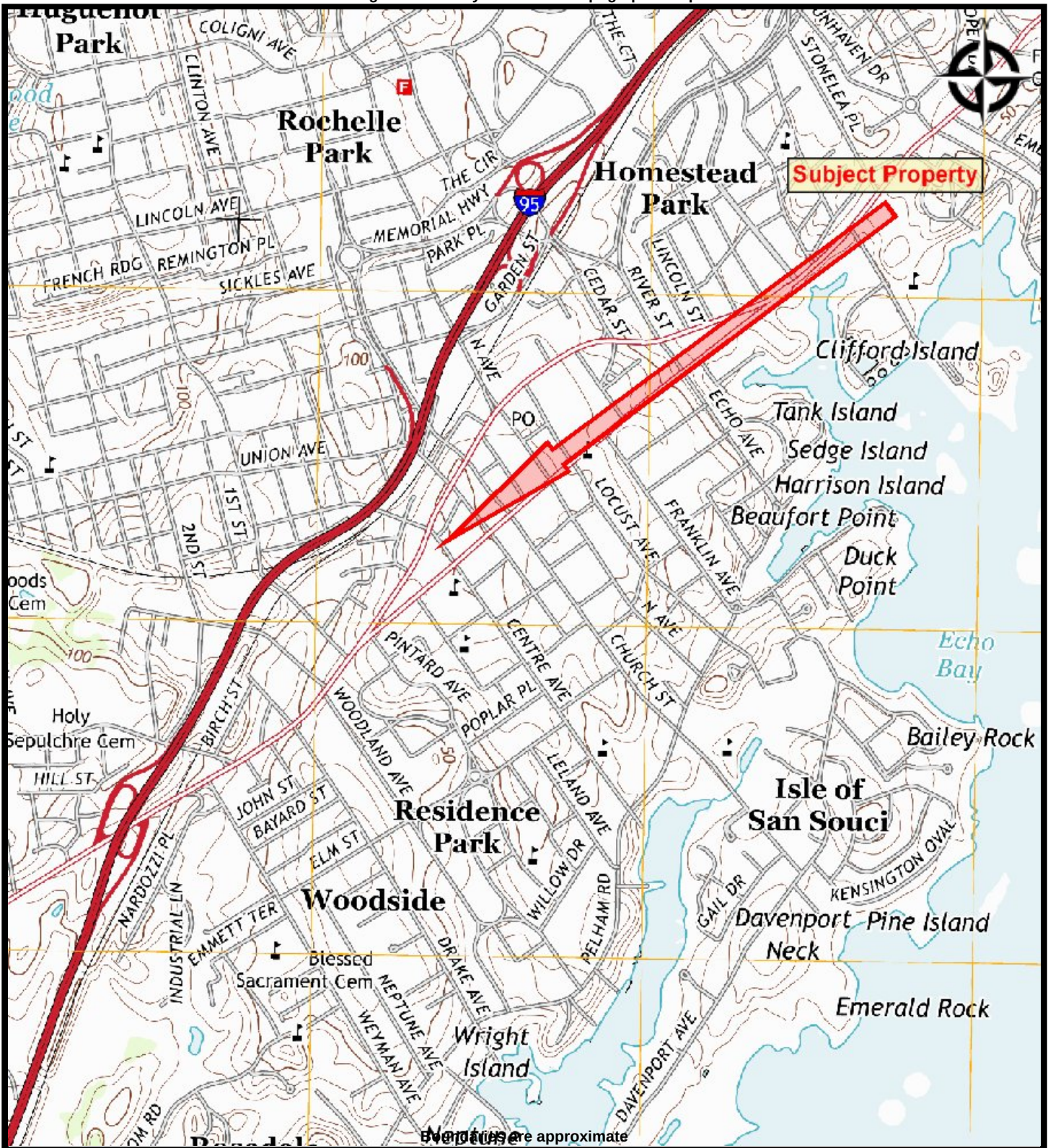


FIGURE 1 - SITE VICINITY MAP

64 CENTRE POINTE

64 Centre Avenue

New Rochelle, New York 10801

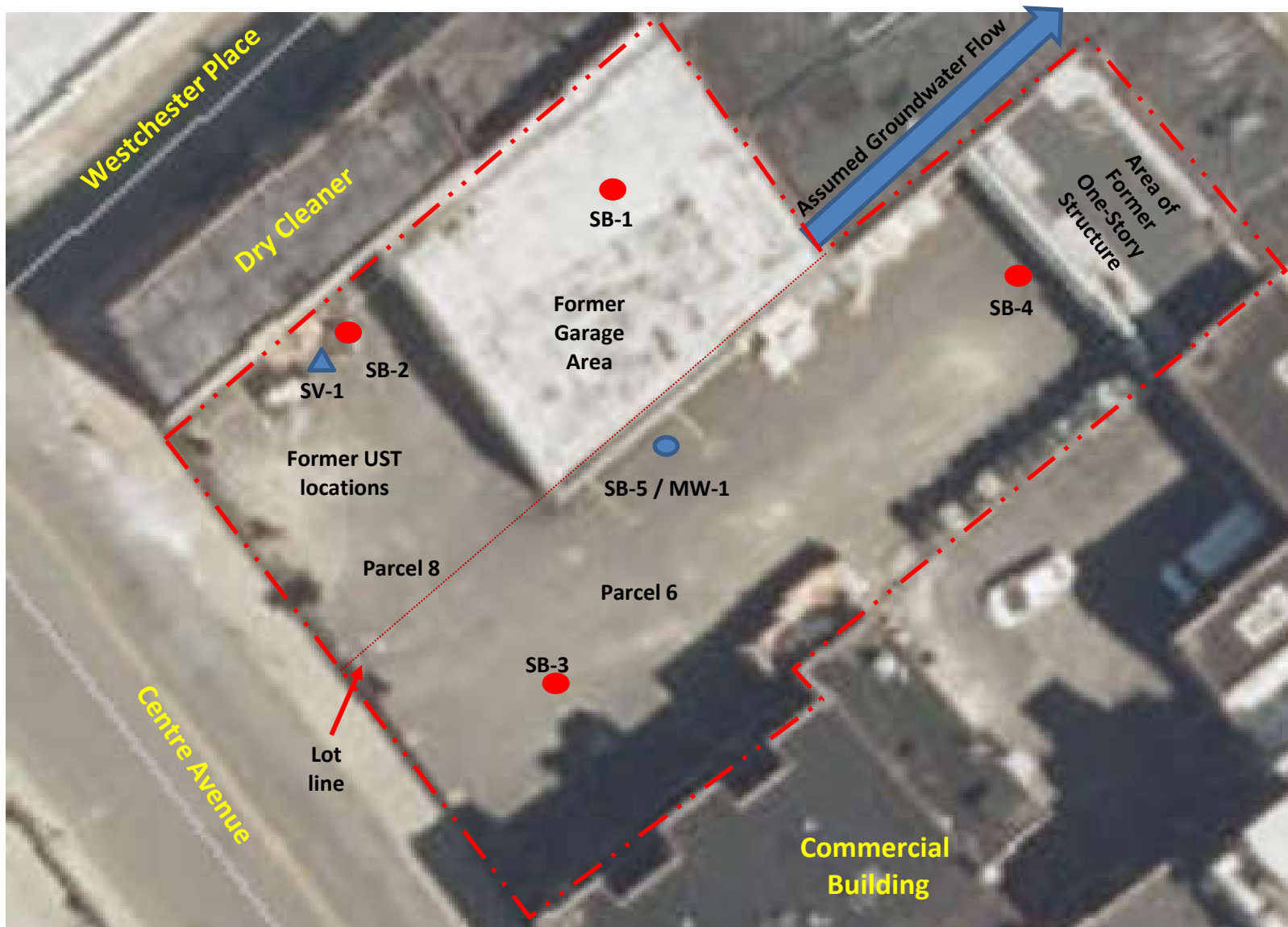
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PROJ. #: 1011601690



--- Approximate Site boundary

● Soil Boring / Monitoring Well Location

▲ Soil Vapor Location

● Soil Boring Location



ATC

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

Figure 2 - Boring Location Plan

Source: Westchester County
GIS Map website, 2018 aerial
photograph

64 Centre Pointe
64 Centre Avenue
New Rochelle, NY

Project No.:
1011601690



TABLES

Table 1
Volatile Organic Compounds Measured in Soil
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) SOIL mg/kg	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) SOIL mg/kg	SB-1	SB-2	SB-3	SB-4	SB-5
			L1390-01	L1390-02	L1390-03	L1390-04	L1390-05
			43865	43865	43865	43865	43865
			SOIL	SOIL	SOIL	SOIL	SOIL
COMPOUND			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dichlorodifluoromethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Chloromethane	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
Vinyl Chloride	0.21	0.02	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Bromomethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Chloroethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Trichlorofluoromethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,1,2-Trichlorotrifluoroethane	100	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,1-Dichloroethene	100	0.33	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Acetone	100	0.05	0.8 U	0.0118 J	0.015 U	0.014 U	0.0168 U
Carbon Disulfide	100	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Methyl tert-butyl Ether	62	0.93	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
Methyl Acetate	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
Methylene Chloride	51	0.05	0.32 U	0.0066 U	0.006 U	0.0056 U	0.0067 U
trans-1,2-Dichloroethene	100	0.19	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
1,1-Dichloroethane	19	0.27	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Cyclohexane	-	-	1.2	0.0033 U	0.003 U	0.0028 U	0.0034 U
2-Butanone	100	0.12	0.8 U	0.0166 U	0.015 U	0.014 U	0.0168 U
Carbon Tetrachloride	1.4	0.76	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
cis-1,2-Dichloroethene	59	0.25	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Bromochloromethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Chloroform	10	0.37	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,1,1-Trichloroethane	100	0.68	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Methylcyclohexane	-	-	7.3 D	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Benzene	2.9	0.06	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,2-Dichloroethane	2.3	0.02	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Trichloroethene	10	0.47	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,2-Dichloropropane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Bromodichloromethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
4-Methyl-2-Pentanone	-	-	0.5 U	0.0104 U	0.0094 U	0.0088 U	0.0105 U
Toluene	100	0.7	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
t-1,3-Dichloropropene	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
cis-1,3-Dichloropropene	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,1,2-Trichloroethane	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
2-Hexanone	-	-	0.8 U	0.0166 U	0.015 U	0.014 U	0.0168 U
Dibromochloromethane	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,2-Dibromoethane	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
Tetrachloroethene	5.5	1.3	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Chlorobenzene	100	1.1	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Ethyl Benzene	30	1	0.89	0.0021 U	0.0019 U	0.0018 U	0.0021 U
m/p-Xylenes	-	-	0.2 U	0.0042 U	0.0038 U	0.0035 U	0.0042 U
o-Xylene	100	0.26	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Styrene	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
Bromoform	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
Isopropylbenzene	100	-	0.65	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,1,2,2-Tetrachloroethane	35	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U

Table 1
Volatile Organic Compounds Measured in Soil
64 Centre Avenue
New Rochelle, New York

Sample ID	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-1	SB-2	SB-3	SB-4	SB-5
Lab Sample Number			L1390-01	L1390-02	L1390-03	L1390-04	L1390-05
Sampling Date			43865	43865	43865	43865	43865
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND							
1,3-Dichlorobenzene	17	2.4	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,4-Dichlorobenzene	9.8	1.8	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,2-Dichlorobenzene	100	1.1	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
1,2-Dibromo-3-Chloropropane	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
1,2,4-Trichlorobenzene	-	-	0.0999 U	0.0021 U	0.0019 U	0.0018 U	0.0021 U
1,2,3-Trichlorobenzene	-	-	0.16 U	0.0033 U	0.003 U	0.0028 U	0.0034 U
1,4-Dioxane	9.8	0.1	4 U	0.0831 U	0.0751 U	0.07 U	0.0838 U

Qualifiers

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

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

Shading = Concentration exceeds Subpart 375-6 Residential Use SCOs

Underline: = Concentration exceeds Subpart 375-6 Unrestricted Use SCOs

BOLD - Compounds detected above laboratory method detection limit

Table 2
Semi-Volatile Organic Compounds Measured in Soil
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) SOIL mg/kg	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) SOIL mg/kg	SB-1	SB-2	SB-3	SB-4	SB-5
			L1390-01	L1390-02	L1390-03	L1390-04	L1390-05
			43865	43865	43865	43865	43865
			SOIL	SOIL	SOIL	SOIL	SOIL
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND							
Benzaldehyde	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Phenol	100	0.33	0.13 J	0.1 J	0.0987 J	0.12 J	0.14 J
bis(2-Chloroethyl)ether	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2-Chlorophenol	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2-Methylphenol	100	0.33	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,2-oxybis(1-Chloropropane)	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Acetophenone	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
3+4-Methylphenols	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
n-Nitroso-di-n-propylamine	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Hexachloroethane	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Nitrobenzene	3.7	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Isophorone	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2-Nitrophenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,4-Dimethylphenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
bis(2-Chloroethoxy)methane	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,4-Dichlorophenol	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Naphthalene	100	12	8 D	0.3 U	0.32 U	0.31 U	0.33 U
4-Chloroaniline	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Hexachlorobutadiene	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Caprolactam	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
4-Chloro-3-methylphenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2-Methylnaphthalene	0.41	-	29.5 D	0.3 U	0.32 U	0.31 U	0.33 U
Hexachlorocyclopentadiene	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,4,6-Trichlorophenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,4,5-Trichlorophenol	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
1,1-Biphenyl	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2-Chloronaphthalene	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2-Nitroaniline	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Dimethylphthalate	100	-	0.3 U	0.21 J	0.21 J	0.26 J	0.39 J
Acenaphthylene	100	100	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,6-Dinitrotoluene	1.03	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
3-Nitroaniline	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Acenaphthene	100	20	0.99	0.3 U	0.32 U	0.31 U	0.33 U
2,4-Dinitrophenol	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
4-Nitrophenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Dibenzofuran	14	7	0.98	0.3 U	0.32 U	0.31 U	0.33 U
2,4-Dinitrotoluene	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Diethylphthalate	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
4-Chlorophenyl-phenylether	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Fluorene	100	30	2.1	0.3 U	0.32 U	0.31 U	0.33 U
4-Nitroaniline	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
4,6-Dinitro-2-methylphenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
n-Nitrosodiphenylamine	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
4-Bromophenyl-phenylether	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Hexachlorobenzene	0.41	0.33	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Atrazine	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Pentachlorophenol	2.4	0.8	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U

Table 2
Semi-Volatile Organic Compounds Measured in Soil
64 Centre Avenue
New Rochelle, New York

Sample ID	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-1	SB-2	SB-3	SB-4	SB-5
Lab Sample Number			L1390-01	L1390-02	L1390-03	L1390-04	L1390-05
Sampling Date			43865	43865	43865	43865	43865
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND							
Phenanthrene	100	100	5 D	0.3 U	0.32 U	0.31 U	0.33 U
Anthracene	100	100	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Carbazole	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Di-n-butylphthalate	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Fluoranthene	100	100	0.15 J	0.3 U	0.32 U	0.31 U	0.33 U
Pyrene	100	100	0.54	0.3 U	0.32 U	0.31 U	0.33 U
Butylbenzylphthalate	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
3,3-Dichlorobenzidine	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Benzo(a)anthracene	1	1	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Chrysene	1	1	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Bis(2-ethylhexyl)phthalate	50	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Di-n-octyl phthalate	100	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Benzo(b)fluoranthene	1	1	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Benzo(k)fluoranthene	1	0.8	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Benzo(a)pyrene	1	1	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Dibenzo(a,h)anthracene	0.33	0.33	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
Benzo(g,h,i)perylene	100	100	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
1,2,4,5-Tetrachlorobenzene	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U
2,3,4,6-Tetrachlorophenol	-	-	0.3 U	0.3 U	0.32 U	0.31 U	0.33 U

Qualifiers

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

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

Shading = Concentration exceeds Subpart 375-6 Residential Use SCOs

Underline = Concentration exceeds Subpart 375-6 Unrestricted Use SCOs

BOLD - Compounds detected above laboratory method detection limit

Table 3
Poly Chlorinated Biphenyls Measured in Soil
64 Centre Avenue
New Rochelle, New York

Sample ID	NY SCO - Residential w/CP- 51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-1	SB-2	SB-3	SB-4	SB-5
Lab Sample Number			L1390-01	L1390-02	L1390-03	L1390-04	L1390-05
Sampling Date			43865	43865	43865	43865	43865
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND							
Aroclor-1016	1	0.1	0.0093 U	0.0094 U	0.0099 U	0.0095 U	0.0103 U
Aroclor-1221	1	0.1	0.0146 U	0.0147 U	0.0155 U	0.0149 U	0.0161 U
Aroclor-1232	1	0.1	0.0146 U	0.0147 U	0.0155 U	0.0149 U	0.0161 U
Aroclor-1242	1	0.1	0.0146 U	0.0147 U	0.0155 U	0.0149 U	0.0161 U
Aroclor-1248	1	0.1	0.0146 U	0.0147 U	0.0155 U	0.0149 U	0.0161 U
Aroclor-1254	1	0.1	0.0093 U	0.0094 U	0.0099 U	0.0095 U	0.0103 U
Aroclor-1262	-	-	0.0146 U	0.0147 U	0.0155 U	0.0149 U	0.0161 U
Aroclor-1268	-	-	0.0093 U	0.0094 U	0.0099 U	0.0095 U	0.0103 U
Aroclor-1260	1	0.1	0.0146 U	0.0147 U	0.0155 U	0.0149 U	0.0161 U

Qualifiers

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

Table 4
Metals Measured in Soil
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) SOIL mg/kg	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06) SOIL mg/kg	SB-1	SB-2	SB-3	SB-4	SB-5
			L1390-01	L1390-02	L1390-03	L1390-04	L1390-05
			43865	43865	43865	43865	43865
			SOIL	SOIL	SOIL	SOIL	SOIL
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND							
Aluminum	-	-	8690	21000	9890	14000	10800
Antimony	-	-	0.502 J	0.717 J	0.692 J	0.632 J	0.944 J
Arsenic	16	13	0.694 U	0.706 U	0.748 U	0.734 U	0.796 U
Barium	350	350	49.1	250	70.1	83.1	86
Beryllium	14	7.2	0.542	0.609	0.384	0.511	0.502
Cadmium	2.5	2.5	0.988	2.67	1.08	1.34	1.47
Calcium	-	-	362	289	780	333	1680
Chromium	-	-	11	41.1	15.7	18.7	19.7
Cobalt	30	-	7.72	25.2	9.15	10.7	9.47
Copper	270	50	11.1	32.3	13.4	15.7	25.9
Iron	2000	-	12500	37100	14400	16200	16500
Lead	400	63	6	3.85	5.31	6.02	540
Magnesium	-	-	1630	10100	2310	2620	3850
Manganese	2000	1600	458	526	474	703	280
Mercury	0.81	0.18	0.011 J	0.007 J	0.01 J	0.015	2.42 D
Nickel	140	30	21.3	43.6	21	23.8	29.9
Potassium	-	-	1510	15400	2420	2750	2040
Selenium	36	3.9	0.694 U	0.706 U	0.748 U	0.734 U	0.796 U
Silver	36	2	0.834	1.53	0.923	1.04	1.38
Sodium	-	-	81.3 J	328	204	168	219
Thallium	-	-	0.462 U	0.471 U	0.498 U	0.489 U	0.531 U
Vanadium	100	-	13.4	52.6	17.9	21.1	22
Zinc	2200	109	18.9	88	26.5	27.1	148

Qualifiers

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

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

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.

Shading = Concentration exceeds Subpart 375-6 Residential Use SCOs

Underline: = Concentration exceeds Subpart 375-6 Unrestricted Use SCOs

BOLD - Compounds detected above laboratory method detection limit

Table 5
Volatile Organic Compounds Measured in Groundwater
64 Centre Avenue
New Rochelle, New York

Sample ID	NY TOGS Class GA GW Standards (NYSDEC 6/2004) Water ug/l	SB-5-WS
Lab Sample Number		L1390-08
Sampling Date		43865
Matrix		Water
Units		ug/l
COMPOUND		
Dichlorodifluoromethane	5	0.5 U
Chloromethane	5	0.75 U
Vinyl Chloride	2	0.5 U
Bromomethane	5	3.8 U
Chloroethane	5	0.75 U
Trichlorofluoromethane	5	0.5 U
1,1,2-Trichlorotrifluoroethane	5	0.5 U
1,1-Dichloroethene	5	0.5 U
Acetone	-	2.5 U
Carbon Disulfide	60	0.5 U
Methyl tert-butyl Ether	10	0.25 U
Methyl Acetate	-	0.75 U
Methylene Chloride	5	0.75 U
trans-1,2-Dichloroethene	5	0.5 U
1,1-Dichloroethane	5	0.5 U
Cyclohexane	-	2.5 U
2-Butanone	-	2.5 U
Carbon Tetrachloride	5	0.5 U
cis-1,2-Dichloroethene	5	0.75 U
Bromochloromethane	5	0.75 U
Chloroform	7	0.5 U
1,1,1-Trichloroethane	5	0.25 U
Methylcyclohexane	-	0.5 U
Benzene	1	0.25 U
1,2-Dichloroethane	0.6	0.5 U
Trichloroethene	5	0.75 U
1,2-Dichloropropane	1	0.5 U
Bromodichloromethane	-	0.25 U
4-Methyl-2-Pentanone	-	2.5 U
Toluene	5	0.25 U
t-1,3-Dichloropropene	-	0.25 U
cis-1,3-Dichloropropene	-	0.5 U
1,1,2-Trichloroethane	1	0.25 U
2-Hexanone	-	3.8 U
Dibromochloromethane	-	0.5 U
1,2-Dibromoethane	0.0006	0.5 U
Tetrachloroethene	5	0.5 U
Chlorobenzene	5	0.25 U
Ethyl Benzene	5	0.25 U
m/p-Xylenes	-	0.5 U
o-Xylene	5	0.5 U
Styrene	5	0.25 U
Bromoform	-	0.5 U
Isopropylbenzene	5	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U
1,3-Dichlorobenzene	3	0.5 U
1,4-Dichlorobenzene	3	0.5 U
1,2-Dichlorobenzene	3	0.25 U
1,2-Dibromo-3-Chloropropane	0.04	0.75 U
1,2,4-Trichlorobenzene	5	0.5 U
1,2,3-Trichlorobenzene	5	0.75 U
1,4-Dioxane	-	50 U

Qualifiers

U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

BOLD - Compounds detected above laboratory method detection limit

Shading = Concentration exceeds NY TOGS

Table 6
Semi-Volatile Organic Compounds Measured in Groundwater
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NY TOGS Class GA GW Standards (NYSDEC 6/2004) WATER ug/l	SB-5-WS
		L1390-08
		43865
		Water
		ug/l
COMPOUND		
Benzaldehyde	-	8 U
Phenol	1	2.7 J
bis(2-Chloroethyl)ether	1	8 U
2-Chlorophenol	-	8 U
2-Methylphenol	-	8 U
2,2-oxybis(1-Chloropropane)	5	8 U
Acetophenone	-	8 U
3+4-Methylphenols	-	8 U
n-Nitroso-di-n-propylamine	-	8 U
Hexachloroethane	5	8 U
Nitrobenzene	0.4	8 U
Isophorone	-	8 U
2-Nitrophenol	-	8 U
2,4-Dimethylphenol	1	8 U
bis(2-Chloroethoxy)methane	5	8 U
2,4-Dichlorophenol	1	8 U
Naphthalene	-	8 U
4-Chloroaniline	5	8 U
Hexachlorobutadiene	0.5	8 U
Caprolactam	-	8 U
4-Chloro-3-methylphenol	-	8 U
2-Methylnaphthalene	-	8 U
Hexachlorocyclopentadiene	5	8 U
2,4,6-Trichlorophenol	-	8 U
2,4,5-Trichlorophenol	-	8 U
1,1-Biphenyl	5	8 U
2-Chloronaphthalene	-	8 U
2-Nitroaniline	5	8 U
Dimethylphthalate	-	8.6 J
Acenaphthylene	-	8 U
2,6-Dinitrotoluene	5	8 U
3-Nitroaniline	5	8 U
Acenaphthene	-	8 U
2,4-Dinitrophenol	1	8 U
4-Nitrophenol	-	8 U
Dibenzofuran	-	8 U
2,4-Dinitrotoluene	5	8 U

Table 6
Semi-Volatile Organic Compounds Measured in Groundwater
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NY TOGS Class GA GW Standards (NYSDEC 6/2004) WATER ug/l	SB-5-WS
		L1390-08
		43865
		Water
		ug/l
COMPOUND		
Diethylphthalate	-	8 U
4-Chlorophenyl-phenylether	-	8 U
Fluorene	-	8 U
4-Nitroaniline	5	8 U
4,6-Dinitro-2-methylphenol	-	8 U
n-Nitrosodiphenylamine	-	8 U
4-Bromophenyl-phenylether	-	8 U
Hexachlorobenzene	0.04	8 U
Atrazine	7.5	8 U
Pentachlorophenol	1	8 U
Phenanthrene	-	8 U
Anthracene	-	8 U
Carbazole	-	8 U
Di-n-butylphthalate	50	8 U
Fluoranthene	-	8 U
Pyrene	-	8 U
Butylbenzylphthalate	-	8 U
3,3-Dichlorobenzidine	5	8 U
Benzo(a)anthracene	-	8 U
Chrysene	-	8 U
Bis(2-ethylhexyl)phthalate	5	8 U
Di-n-octyl phthalate	-	8 U
Benzo(b)fluoranthene	-	8 U
Benzo(k)fluoranthene	-	8 U
Benzo(a)pyrene	ND	8 U
Indeno(1,2,3-cd)pyrene	-	8 U
Dibenzo(a,h)anthracene	-	8 U
Benzo(g,h,i)perylene	-	8 U
1,2,4,5-Tetrachlorobenzene	5	8 U
2,3,4,6-Tetrachlorophenol	-	8 U

Qualifiers

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

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

BOLD - Compounds detected above laboratory method detection limit

Shading = Concentration exceeds NY TOGS

Table 7
Volatile Organic Compounds Measured in Soil Vapor
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NYSDOH Minimum Soil Vapor Matrix Concentration (ug/m3) (1)	EPA Residential Soil Vapor Screening Level (ug/m3) (2)	EPA Commercial Soil Vapor Screening Level (ug/m3) (2)	SV-1 L1391-01 2/4/2020 Air Ug/M3
		Soil Gas	Soil Gas	
COMPOUND				
1,1,1-Trichloroethane	100	170,000	730,000	0.05 U
1,1,2,2-Tetrachloroethane	NA	1.6	7.0	0.14 U
1,1,2-Trichloroethane	NA	5.8	26	0.22 U
1,1-Dichloroethane	NA	58	260	0.16 U
1,1-Dichloroethene	6	7,000	29,000	0.2 U
1,2,4-Trichlorobenzene	NA	70	290	0.52 U
1,2,4-Trimethylbenzene	NA	2,100	8,800	0.88 J
1,2-Dibromoethane	NA	0.16	0.68	0.31 U
1,2-Dichlorobenzene	NA	7,000	29,000	0.18 U
1,2-Dichloroethane	NA	3.6	16	0.12 U
1,2-Dichloropropane	NA	25	110	0.14 U
1,3,5-Trimethylbenzene	NA	2,100	8,800	0.2 U
1,3-Butadiene	NA	3.1	14	0.09 U
1,4-Dichlorobenzene	NA	8.5	37	0.3 U
1,4-Dioxane	NA	19	82	0.43 U
2,2,4-Trimethylpentane	NA	NA	NA	0.79 J
2-Butanone	NA	170,000	730,000	1.5
2-Chlorotoluene	NA	NA	NA	0.21 U
4-Ethyltoluene	NA	NA	NA	0.2 U
Acetone	NA	1,100,000	4,500,000	9.5
Benzene	NA	12	52	0.99 J
Bromodichloromethane	NA	2.5	11	0.27 U
Bromoform	NA	85	370	0.41 U
Bromomethane	NA	170	730	0.16 U
Carbon Disulfide	NA	24,000	100,000	0.19 U
Carbon Tetrachloride	6	16	68	0.44
Chlorobenzene	NA	1,700	7,300	0.09 U
Chloroethane	NA	NA	NA	0.11 U
Chloroform	NA	4.1	18	0.1 U
Chloromethane	NA	3,100	13,000	1.01 J
cis-1,2-Dichloroethene	6	NA	NA	0.2 U
cis-1,3-Dichloropropene	NA	23	100	0.14 U
Cyclohexane	NA	210,000	880,000	0.41 J
Dibromochloromethane	NA	NA	NA	0.34 U
Dichlorodifluoromethane	NA	3,500	15,000	1.14 J
Ethyl Benzene	NA	37	160	0.52 J
Heptane	NA	14,000	58,000	0.53 J

Table 7
Volatile Organic Compounds Measured in Soil Vapor
64 Centre Avenue
New Rochelle, New York

Sample ID Lab Sample Number Sampling Date Matrix Units	NYSDOH Minimum Soil Vapor Matrix Concentration (ug/m3) (1)	EPA Residential Soil Vapor Screening Level (ug/m3) (2)	EPA Commercial Soil Vapor Screening Level (ug/m3) (2)	SV-1 L1391-01 2/4/2020 Air Ug/M3
		Soil Gas	Soil Gas	
Hexachloro-1,3-Butadiene	NA	4.3	19	0.75 U
Hexane	NA	24,000	100,000	3.07
m/p-Xylene	NA	3,500	15,000	1.95 J
Methyl Methacrylate	NA	24,000	100,000	0.08 U
Methyl tert-Butyl Ether	NA	360	1,600	0.14 U
Methylene Chloride	100	3,400	41,000	7.99
o-Xylene	NA	3,500	15,000	0.69 J
Styrene	NA	35,000	150,000	0.17 U
t-1,3-Dichloropropene	NA	23	100	0.14 U
tert-Butyl alcohol	NA	NA	NA	0.33 U
Tetrachloroethene	100	360	1,600	0.75
Tetrahydrofuran	NA	70,000	290,000	0.12 U
Toluene	NA	170,000	730,000	2.83
Trichloroethene	6	16	100	0.11 U
Trichlorofluoromethane	NA	NA	NA	1.46 J
Vinyl Chloride	6	5.6	93	0.05 U

Qualifiers

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

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

Q - indicates LCS control criteria did not meet requirements.

X* - Concentration above the USEPA Residential Screening Values.

X**- Concentration Exceeds USEPA Commercial Screening Values.

X**- Concentration Exceeds New York State Department of Health (NYSDOH) minimum soil vapor matrix value

NA - Not Available

(1) - Final NYSDOH Soil Vapor Intrusion Guidance Document (October 2006)

(2) USEPA -OSWER Vapor Intrusion Screening Levels, Version 3.5, June 2017 RSLs

Risk: Carcinogen = 1×10^{-6} , Non-Carcinogens THQ=1



APPENDIX A

BORING LOGS

ATC Group Services 104 East 25th Street New York, NY 10010 212-353-8280					<u>Client:</u> Fortress Credit Advisors LLC	<u>Boring No.:</u> SB-1
			<u>Project Number:</u> 1011601690		<u>Boring location:</u> Northwestern Portion of Subject Property- Former Garage	
			<u>Task Number:</u>			
<u>Driller:</u> Eastern Environmental <u>Geologist:</u> Denise Cosenza			<u>Project Location:</u> 64 Centre Avenue New Rochell, New York			
<u>Groundwater Observations:</u> Not encountered					<u>Type:</u> Casing & Sampler <u>Size:</u> Macrocore	<u>Date:</u> February 4, 2020
Depth (ft.)	Sample Type & Number	Recovery (ft.)	Blows		PID Reading (ppm)	Field Identification of Soil and Observations
0		3'			60	0' - 5' Fill material with brown sand, brick, gravel and crushed stone
1						
2						
3						
4						
5						
6	SB-1	5'			247	5' - 10' Fine to medium sand
7						
8						
9						
10						
11						6' petroleum odor
12						
13						
14						
15						
16						10' End of Boring
17						
18						
19						
20						

mc: macrocore HSA: hollow stem auger HA: Hand Auger t.=trace = 1-10% l.=little = 10-20% s.=some = 20-35%
 a=and = 35-50% c = course m = medium f = fine

ATC Group Services 104 East 25th Street New York, NY 10010 212-353-8280					<u>Client:</u> Fortress Credit Advisors LLC	<u>Boring No.:</u> SB-2
			<u>Project Number:</u> 1011601690		<u>Boring location:</u> Southwestern portion of the Subject Property adjacent to dry cleaner	
			<u>Task Number:</u>			
<u>Driller:</u> Eastern Environmental <u>Geologist:</u> Denise Cosenza			<u>Project Location:</u> 64 Centre Avenue New Rochell, New York			
<u>Groundwater Observations:</u> Not encountered					<u>Casing & Sampler</u> Macrocore	<u>Date:</u> February 4, 2020
					<u>Type:</u> <u>Size:</u>	
Depth (ft.)	Sample Type & Number	Recovery (ft.)	Blows		PID Reading (ppm)	Field Identification of Soil and Observations
0		4'			0.1	0' - 7' Fill material with brown sand, brick, gravel and crushed stone
1						
2						
3						
4						
5						
6	SB-2	4.5'			2.7	7' - 15' - fine to medium gray sand
7						
8						
9						
10						
11		4'			0	End of Boring Refusal at 15'
12						
13						
14						
15						
16						
17						
18						
19						
20						
mc: macrocore HSA: hollow stem auger HA: Hand Auger t.=trace = 1-10% l.=little = 10-20% s.=some = 20-35% a=and = 35-50% c = course m = medium f = fine						

ATC Group Services 104 East 25th Street New York, NY 10010 212-353-8280					<u>Client:</u> Fortress Credit Advisors LLC	<u>Boring No.:</u> SB-3
			<u>Project Number:</u> 1011601690		<u>Boring location:</u> Southeastern portion of the Subject Property	
			<u>Task Number:</u>			
<u>Driller:</u> Eastern Environmental <u>Geologist:</u> Denise Cosenza			<u>Project Location:</u> 64 Centre Avenue New Rochell, New York			
<u>Groundwater Observations:</u> Not encountered			<u>Type:</u> <u>Size:</u> Casing & Sampler Macrocore		<u>Date:</u> February 4, 2020	
Depth (ft.)	Sample Type & Number	Recovery (ft.)	Blows		PID Reading (ppm)	Field Identification of Soil and Observations
0	SB-3	3.5'			0	0' - 4' Fill material with brown sand, brick and gravel
1						
2						
3						
4						
5					0.1	4' - 17' Medium brown sand with crushed stone
6		5'			0	
7						
8						
9						
10						
11		4'			0	
12						
13						
14						
15						
16		1'			0	
17						
18						
19						
20						
mc: macrocore HSA: hollow stem auger HA: Hand Auger t.=trace = 1-10% l.=little = 10-20% s.=some = 20-35% a.=and = 35-50% c = course m = medium f = fine						

ATC Group Services 104 East 25th Street New York, NY 10010 212-353-8280					<u>Client:</u> Fortress Credit Advisors LLC	<u>Boring No.:</u> SB-4
			<u>Project Number:</u> 1011601690		<u>Boring location:</u> Northeastern portion of the Subject Property.	
			<u>Task Number:</u>			
<u>Driller:</u> Eastern Environmental <u>Geologist:</u> Denise Cosenza			<u>Project Location:</u> 64 Centre Avenue New Rochell, New York			
<u>Groundwater Observations:</u> Not encountered					<u>Casing & Sampler</u> Macrocore	<u>Date:</u> February 4, 2020
					<u>Type:</u> <u>Size:</u>	
Depth (ft.)	Sample Type & Number	Recovery (ft.)	Blows		PID Reading (ppm)	Field Identification of Soil and Observations
0	SB-4	5'			0	0' - 7' Fill material with brown sand, brick and gravel
1						
2						
3						
4						
5						
6		5'			0	7' - 12' Medium brown sand with crush rock at endpoint
7						
8						
9						
10						
11						
12		1.5'			0	End of Boring Refusal at 12'
13						
14						
15						
16						
17						
18						
19						
20						

mc: macrocore HSA: hollow stem auger HA: Hand Auger t.=trace = 1-10% l.=little = 10-20% s.=some = 20-35%
 a=and = 35-50% c = course m = medium f = fine

ATC Group Services 104 East 25th Street New York, NY 10010 212-353-8280					<u>Client:</u> Fortress Credit Advisors LLC	<u>Boring No.:</u> SB-5
			<u>Project Number:</u> 1011601690		<u>Boring location:</u>	
			<u>Task Number:</u>		Central portion of the Subject Property.	
<u>Driller:</u> Eastern Environmental <u>Geologist:</u> Denise Cosenza			<u>Project Location:</u> 64 Centre Avenue New Rochell, New York			
<u>Groundwater Observations:</u> Groundwater @ 7'					<u>Type:</u> Casing & Sampler <u>Size:</u> Macrocore	<u>Date:</u> February 4, 2020
Depth (ft.)	Sample Type & Number	Recovery (ft.)	Blows		PID Reading (ppm)	Field Identification of Soil and Observations
0	SB-5	1.5'			0	0' - 7' Fill material with brown sand, brick and gravel
1						
2						
3						
4						
5						
6		0.5				7' - 10' Medium brown sand
7						
8						
9						
10						
11						End of Boring 10'
12						
13						
14						
15						
16						
17						
18						
19						
20						

mc: macrocore HSA: hollow stem auger HA: Hand Auger t.=trace = 1-10% l.=little = 10-20% s.=some = 20-35%
 a=and = 35-50% c = course m = medium f = fine



APPENDIX B

LABORATORY REPORTS

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : 64 CENTRE AVENUE, NEW ROCHELLE, NY

ATC GROUP SERVICES LLC

104 East 25th Street, 10th Floor

New York, NY - 10010

Phone No: 212-353-8280

ORDER ID : L1391

ATTENTION : Denise Cosenza



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2.1) TO-15- Case Narrative	4
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1

2

3

4

5

6

Cover Page

Order ID : L1391

Project ID : 64 Centre Avenue, New Rochelle, NY

Client : ATC Group Services LLC

Lab Sample Number

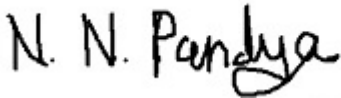
L1391-01

Client Sample Number

SV-1

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:34 am, Feb 18, 2020

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ATC Group Services LLC

Project Name: 64 Centre Avenue, New Rochelle, NY

Project # N/A

Chemtech Project # L1391

Test Name: TO-15

A. Number of Samples and Date of Receipt:

1 Air sample was received on 02/04/2020.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {L1356-01DUP} with File ID: VL034581.D met criteria except for Methylene Chloride[36.2%] .

The Blank Spike met requirements for all samples .

The Blank analysis indicated presence of Acetone[0.28 ppbv]

FileID:VL034578.D{VL0204ABL01}, Methylene Chloride[0.26 ppbv]

FileID:VL034578.D{VL0204ABL01} due to possible lab contamination.

The Initial Calibration met the requirements . The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

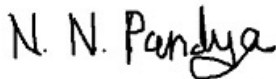
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__

**APPROVED***By Nimisha Pandya, QA/QC Supervisor at 11:34 am, Feb 18, 2020*

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: L1391

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: APARNA SONI

Date: 02/18/2020

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

Date:

By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Feb 18, 2020



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	L1391	OrderDate:	2/4/2020 12:29:00 PM
Client:	ATC Group Services LLC	Project:	64 Centre Avenue, New Rochelle, NY
Contact:	Denise Cosenza	Location:	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
L1391-01	SV-1	Air	TO-15	TO-15	02/04/20		02/05/20	02/04/20

Hit Summary Sheet SW-846

SDG No.: L1391

Client: ATC Group Services LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SV-1							
L1391-01	SV-1	Air	Dichlorodifluoromethane	1.14	J	0.49	2.47	ug/m3
L1391-01	SV-1	Air	Chloromethane	1.01	J	0.080	1.03	ug/m3
L1391-01	SV-1	Air	Trichlorofluoromethane	1.46	J	0.28	2.81	ug/m3
L1391-01	SV-1	Air	Heptane	0.53	J	0.16	2.05	ug/m3
L1391-01	SV-1	Air	Acetone	9.50	B	0.14	1.19	ug/m3
L1391-01	SV-1	Air	Methylene Chloride	7.99	B	0.42	1.74	ug/m3
L1391-01	SV-1	Air	Cyclohexane	0.41	J	0.34	1.72	ug/m3
L1391-01	SV-1	Air	2-Butanone	1.50		0.12	1.47	ug/m3
L1391-01	SV-1	Air	Carbon Tetrachloride	0.44		0.13	0.19	ug/m3
L1391-01	SV-1	Air	2,2,4-Trimethylpentane	0.79	J	0.14	2.34	ug/m3
L1391-01	SV-1	Air	Benzene	0.99	J	0.13	1.60	ug/m3
L1391-01	SV-1	Air	Toluene	2.83		0.11	1.88	ug/m3
L1391-01	SV-1	Air	Tetrachloroethene	0.75		0.070	0.20	ug/m3
L1391-01	SV-1	Air	Ethyl Benzene	0.52	J	0.17	2.17	ug/m3
L1391-01	SV-1	Air	m/p-Xylene	1.95	J	0.43	4.34	ug/m3
L1391-01	SV-1	Air	o-Xylene	0.69	J	0.22	2.17	ug/m3
L1391-01	SV-1	Air	1,2,4-Trimethylbenzene	0.88	J	0.25	2.46	ug/m3
L1391-01	SV-1	Air	Hexane	3.07		0.11	1.76	ug/m3
Total Voc :				36.45				
Total Concentration:				36.45				

Project : 64 Centre Avenue, New Rochelle, NY

Sampling Date : 02/04/20

Field Id Number : SV-1

Analysis Date : 02/05/20

Laboratory Id Number : L1391-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.23	J	1.14		
Chloromethane	74-87-3	50.49	0.49	J	1.01		
Vinyl Chloride	75-01-4	62.5	0.02	U	0.05		
Bromomethane	74-83-9	94.94	0.04	U	0.16		
Chloroethane	75-00-3	64.52	0.04	U	0.11		
Tetrahydrofuran	109-99-9	72.11	0.04	U	0.12		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
Dichlorotetrafluoroethane	76-14-2	170.9	0.03	U	0.21		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.05	U	0.38		
tert-Butyl alcohol	75-65-0	74.12	0.11	U	0.33		
Heptane	142-82-5	100.2	0.13	J	0.53		
1,1-Dichloroethene	75-35-4	96.94	0.05	U	0.2		
Acetone	67-64-1	58.08	4		9.5		
Carbon Disulfide	75-15-0	76.14	0.06	U	0.19		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.04	U	0.14		
Methylene Chloride	75-09-2	84.94	2.3		7.99		
trans-1,2-Dichloroethene	156-60-5	96.94	0.06	U	0.24		
1,1-Dichloroethane	75-34-3	98.96	0.04	U	0.16		
Cyclohexane	110-82-7	84.16	0.12	J	0.41		
2-Butanone	78-93-3	72.11	0.51		1.5		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.05	U	0.2		
Chloroform	67-66-3	119.4	0.02	U	0.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.17	J	0.79		
Benzene	71-43-2	78.11	0.31	J	0.99		
1,2-Dichloroethane	107-06-2	98.96	0.03	U	0.12		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.03	U	0.14		
Bromodichloromethane	75-27-4	163.8	0.04	U	0.27		
4-Methyl-2-Pentanone	108-10-1	100.2	0.01	U	0.04		
Toluene	108-88-3	92.14	0.75		2.83		
t-1,3-Dichloropropene	10061-02-6	111	0.03	U	0.14		
cis-1,3-Dichloropropene	10061-01-5	111	0.03	U	0.14		
1,1,2-Trichloroethane	79-00-5	133.4	0.04	U	0.22		
Dibromochloromethane	124-48-1	208.3	0.04	U	0.34		

Master QA form for Air

Project : 64 Centre Avenue, New Rochelle, NY

Sampling Date : 02/04/20

Field Id Number : SV-1

Analysis Date : 02/05/20

Laboratory Id Number : L1391-01

Target Analyts : Air Results

1,2-Dibromoethane	106-93-4	187.9	0.04	U	0.31		
Tetrachloroethene	127-18-4	165.8	0.11		0.75		
Chlorobenzene	108-90-7	112.6	0.02	U	0.09		
Ethyl Benzene	100-41-4	106.2	0.12	J	0.52		
m/p-Xylene	179601-23-1	106.2	0.45	J	1.95		
o-Xylene	95-47-6	106.2	0.16	J	0.69		
Styrene	100-42-5	104.1	0.04	U	0.17		
Bromoform	75-25-2	252.8	0.04	U	0.41		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.04	U	0.21		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.04	U	0.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.18	J	0.88		
1,3-Dichlorobenzene	541-73-1	147	0.03	U	0.18		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.03	U	0.18		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.07	U	0.52		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.07	U	0.75		
Naphthalene	91-20-3	128.17	0.05	U	0.26		
1,3-Butadiene	106-99-0	54.09	0.04	U	0.09		
4-Ethyltoluene	622-96-8	120.2	0.04	U	0.2		
Hexane	110-54-3	86.17	0.87		3.07		
Allyl Chloride	107-05-1	76.53	0.05	U	0.16		
1,4-Dioxane	123-91-1	88.12	0.12	U	0.43		
Methyl Methacrylate	80-62-6	100.117	0.02	U	0.08		



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Project : 64 Centre Avenue, New Rochelle, NY

Field Id Number : SV-1

Laboratory Id Number : L1391-01

Sampling Date : 02/04/20

Analysis Date : 02/05/20

Target Analyts : Air Results

5

A

B

C

D

E

F

G

H

SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SV-1	SDG No.:	L1391
Lab Sample ID:	L1391-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL034596.D	1		02/05/20 01:48	VL020420

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.23	1.14	J	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.49	1.01	J	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.020	0.050	U	0.050	0.080	ug/m3
74-83-9	Bromomethane	0.040	0.16	U	0.16	1.94	ug/m3
75-00-3	Chloroethane	0.040	0.11	U	0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.040	0.12	U	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.28	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.050	0.38	U	0.38	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.030	0.21	U	0.21	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.11	0.33	U	0.33	1.52	ug/m3
142-82-5	Heptane	0.13	0.53	J	0.16	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.050	0.20	U	0.20	1.98	ug/m3
67-64-1	Acetone	4.00	9.50	B	0.14	1.19	ug/m3
75-15-0	Carbon Disulfide	0.060	0.19	U	0.19	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.040	0.14	U	0.14	1.80	ug/m3
75-09-2	Methylene Chloride	2.30	7.99	B	0.42	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.060	0.24	U	0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.040	0.16	U	0.16	2.02	ug/m3
110-82-7	Cyclohexane	0.12	0.41	J	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.51	1.50		0.12	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.050	0.20	U	0.20	1.98	ug/m3
67-66-3	Chloroform	0.020	0.10	U	0.10	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.17	0.79	J	0.14	2.34	ug/m3
71-43-2	Benzene	0.31	0.99	J	0.13	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.030	0.12	U	0.12	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.030	0.14	U	0.14	2.31	ug/m3
75-27-4	Bromodichloromethane	0.040	0.27	U	0.27	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.010	0.040	U	0.040	2.05	ug/m3
108-88-3	Toluene	0.75	2.83		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.030	0.14	U	0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.030	0.14	U	0.14	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.040	0.22	U	0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	0.040	0.34	U	0.34	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.040	0.31	U	0.31	3.84	ug/m3
127-18-4	Tetrachloroethene	0.11	0.75		0.070	0.20	ug/m3

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SV-1	SDG No.:	L1391
Lab Sample ID:	L1391-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL034596.D	1		02/05/20 01:48	VL020420

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.020	0.090	U	0.090	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	J	0.17	2.17	ug/m3
179601-23-1	m/p-Xylene	0.45	1.95	J	0.43	4.34	ug/m3
95-47-6	o-Xylene	0.16	0.69	J	0.22	2.17	ug/m3
100-42-5	Styrene	0.040	0.17	U	0.17	2.13	ug/m3
75-25-2	Bromoform	0.040	0.41	U	0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.040	0.21	U	0.21	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.040	0.20	U	0.20	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	J	0.25	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.030	0.18	U	0.18	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.030	0.18	U	0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.070	0.52	U	0.52	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.070	0.75	U	0.75	5.33	ug/m3
106-99-0	1,3-Butadiene	0.040	0.090	U	0.090	1.11	ug/m3
91-20-3	Naphthalene	0.050	0.26	U	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.040	0.20	U	0.20	2.46	ug/m3
110-54-3	Hexane	0.87	3.07		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	0.050	0.16	U	0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	0.12	0.43	U	0.43	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.020	0.080	U	0.080	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	913000		5.66			
540-36-3	1,4-Difluorobenzene	1870000		7.19			
3114-55-4	Chlorobenzene-d5	1820000		12.12			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

QC SUMMARY

Surrogate Summary

SDG No.: L1391

Client: ATC Group Services LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
L1356-01DUP	IA-1DUP	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
L1391-01	SV-1	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
VL0204ABL01	VL0204ABL01	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135
VL0204ABS01	VL0204ABS01	1-Bromo-4-Fluorobenzene	10	9.57	96	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1391

Client: ATC Group Services LLC

Analytical Method: SWTO-15

Datafile : VL034579.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0204ABS01	Dichlorodifluoromethane	10	8.50	ppbv	85			70	130	
	Chloromethane	10	8.10	ppbv	81			70	130	
	Vinyl Chloride	10	8.40	ppbv	84			70	130	
	Bromomethane	10	9.60	ppbv	96			70	130	
	Chloroethane	10	8.70	ppbv	87			70	130	
	Tetrahydrofuran	10	9.30	ppbv	93			70	130	
	Trichlorofluoromethane	10	8.70	ppbv	87			70	130	
	1,1,2-Trichlorotrifluoroethane	10	8.90	ppbv	89			70	130	
	Dichlorotetrafluoroethane	10	8.50	ppbv	85			70	130	
	tert-Butyl Alcohol	10	8.80	ppbv	88			70	130	
	Heptane	10	9.40	ppbv	94			70	130	
	1,1-Dichloroethene	10	9.40	ppbv	94			70	130	
	Acetone	10	9.00	ppbv	90			70	130	
	Carbon disulfide	10	9.40	ppbv	94			70	130	
	Methyl tert-butyl Ether	10	9.40	ppbv	94			70	130	
	Methylene Chloride	10	7.90	ppbv	79			70	130	
	trans-1,2-Dichloroethene	10	8.70	ppbv	87			70	130	
	1,1-Dichloroethane	10	8.90	ppbv	89			70	130	
	Cyclohexane	10	9.50	ppbv	95			70	130	
	2-Butanone	10	8.90	ppbv	89			70	130	
	Carbon Tetrachloride	10	8.90	ppbv	89			70	130	
	cis-1,2-Dichloroethene	10	9.10	ppbv	91			70	130	
	Chloroform	10	8.60	ppbv	86			70	130	
	1,1,1-Trichloroethane	10	8.50	ppbv	85			70	130	
	2,2,4-Trimethylpentane	10	9.20	ppbv	92			70	130	
	Benzene	10	9.30	ppbv	93			70	130	
	1,2-Dichloroethane	10	8.90	ppbv	89			70	130	
	Trichloroethene	10	9.20	ppbv	92			70	130	
	1,2-Dichloropropane	10	9.20	ppbv	92			70	130	
	Bromodichloromethane	10	9.20	ppbv	92			70	130	
	4-Methyl-2-Pentanone	10	9.30	ppbv	93			70	130	
	Toluene	10	9.90	ppbv	99			70	130	
	t-1,3-Dichloropropene	10	10.1	ppbv	101			70	130	
	cis-1,3-Dichloropropene	10	9.90	ppbv	99			70	130	
	1,1,2-Trichloroethane	10	9.20	ppbv	92			70	130	
	Dibromochloromethane	10	9.70	ppbv	97			70	130	
	1,2-Dibromoethane	10	9.70	ppbv	97			70	130	
	Tetrachloroethene	10	9.10	ppbv	91			70	130	
	Chlorobenzene	10	8.50	ppbv	85			70	130	
	Ethyl Benzene	10	9.20	ppbv	92			70	130	
	m/p-Xylene	20	17.7	ppbv	89			70	130	
	o-Xylene	10	9.00	ppbv	90			70	130	
	Styrene	10	9.40	ppbv	94			70	130	
	Bromoform	10	9.90	ppbv	99			70	130	
	1,1,2,2-Tetrachloroethane	10	8.30	ppbv	83			70	130	
	2-Chlorotoluene	10	9.30	ppbv	93			70	130	
	1,3,5-Trimethylbenzene	10	9.30	ppbv	93			70	130	
	1,2,4-Trimethylbenzene	10	8.70	ppbv	87			70	130	
	1,3-Dichlorobenzene	10	8.50	ppbv	85			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.:

L1391

Client:

ATC Group Services LLC

Analytical Method:

SWTO-15

Datafile :

VL034579.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0204ABS01	1,4-Dichlorobenzene	10	8.50	ppbv	85			70	130	
	1,2-Dichlorobenzene	10	8.60	ppbv	86			70	130	
	1,2,4-Trichlorobenzene	10	8.10	ppbv	81			70	130	
	Hexachloro-1,3-butadiene	10	7.60	ppbv	76			70	130	
	Naphthalene	10	8.70	ppbv	87			70	130	
	1,3-Butadiene	10	9.20	ppbv	92			70	130	
	4-Ethyltoluene	10	9.20	ppbv	92			70	130	
	Hexane	10	8.80	ppbv	88			70	130	
	Allyl Chloride	10	9.00	ppbv	90			70	130	
	1,4-Dioxane	10	9.00	ppbv	90			70	130	
	Methyl methacrylate	10	9.70	ppbv	97			70	130	

Duplicate Sample Summary

Lab Sample Id :	L1356-01DUP	L1356-01
Client Id :	IA-1DUP	IA-1
DF :	1	1
Datafile :	VL034581.D	VL034580.D
Anal Date & Time :	02/04/2020 15:55	02/04/2020 15:15

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0.11	0.12	8.7
2-Butanone	0.42	0.46	9.1
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	4.8	4.5	6.5
Allyl Chloride	0	0	0
Benzene	0.38	0.39	2.6
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.08	0.08	0

Duplicate Sample Summary

Lab Sample Id :	L1356-01DUP	L1356-01
Client Id :	IA-1DUP	IA-1
DF :	1	1
Datafile :	VL034581.D	VL034580.D
Anal Date & Time :	02/04/2020 15:55	02/04/2020 15:15

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.42	0.41	2.4
Chloromethane	0.47	0.45	4.3
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.49	0.5	2
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	3.6	3.3	8.7
m/p-Xylene	0.23	0.22	4.4
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	8.8	6.1	36.2 *
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.06	0.06	0
Tetrahydrofuran	0	0	0
Toluene	1.3	1.3	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.33	0.32	3.1
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0204ABL01

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1391

SAS No.: L1391 SDG NO.: L1391

Lab File ID: VL034578.D

Lab Sample ID: VL0204ABL01

Date Analyzed: 02/04/2020

Time Analyzed: 13:18

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0204ABS01	VL0204ABS01	VL034579.D	02/04/2020
IA-1DUP	L1356-01DUP	VL034581.D	02/04/2020
SV-1	L1391-01	VL034596.D	02/05/2020

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>ATCE02</u>
Lab Code: <u>CHEM</u> Case No.: <u>L1391</u>	SAS No.: <u>L1391</u> SDG NO.: <u>L1391</u>
Lab File ID: <u>VL034567.D</u>	BFB Injection Date: <u>01/30/2020</u>
Instrument ID: <u>MSVOA_L</u>	BFB Injection Time: <u>11:27</u>
GC Column: <u>RTX-1</u> ID: <u>0.32</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	28.1
75	30.0 - 66.0% of mass 95	62.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 120.0% of mass 95	64.3
175	4.0 - 9.0% of mass 174	4.8 (7.4) 1
176	93.0 - 101.0% of mass 174	61.7 (96) 1
177	5.0 - 9.0% of mass 176	4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL034568.D	01/30/2020	12:05
VSTDICCC002	VSTDICCC002	VL034569.D	01/30/2020	12:46
VSTDICCC001	VSTDICCC001	VL034570.D	01/30/2020	13:23
VSTDICCC0.5	VSTDICCC0.5	VL034571.D	01/30/2020	14:01
VSTDICCC0.1	VSTDICCC0.1	VL034572.D	01/30/2020	14:38
VSTDICCC0.03	VSTDICCC0.03	VL034573.D	01/30/2020	15:16
VSTDICCC015	VSTDICCC015	VL034574.D	01/30/2020	15:57

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>ATCE02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>L1391</u>
Lab File ID:	<u>VL034576.D</u>	SAS No.:	<u>L1391</u>
Instrument ID:	<u>MSVOA_L</u>	SDG NO.:	<u>L1391</u>
GC Column:	<u>RTX-1</u>	BFB Injection Date:	<u>02/04/2020</u>
ID:	<u>0.32</u> (mm)	BFB Injection Time:	<u>11:03</u>
		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.6
75	30.0 - 66.0% of mass 95	64.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 120.0% of mass 95	67.3
175	4.0 - 9.0% of mass 174	4.9 (7.3) 1
176	93.0 - 101.0% of mass 174	63.7 (94.7) 1
177	5.0 - 9.0% of mass 176	4.5 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL034577.D	02/04/2020	11:42
VL0204ABL01	VL0204ABL01	VL034578.D	02/04/2020	13:18
VL0204ABS01	VL0204ABS01	VL034579.D	02/04/2020	13:56
IA-1DUP	L1356-01DUP	VL034581.D	02/04/2020	15:55
SV-1	L1391-01	VL034596.D	02/05/2020	01:48

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1391 SAS No.: L1391 SDG NO.: L1391
 Lab File ID: VL034577.D Date Analyzed: 02/04/2020
 Instrument ID: MSVOA_L Time Analyzed: 11:42
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1194030	5.67	2440870	7.19	2582400	12.13
UPPER LIMIT	1671650	6.00	3417220	7.52	3615350	12.46
LOWER LIMIT	716420	5.34	1464520	6.86	1549440	11.80
EPA SAMPLE NO.						
IA-1DUP	905117	5.67	1864699	7.19	1795834	12.13
SV-1	913045	5.66	1868733	7.19	1824772	12.12
VL0204ABL01	1091066	5.67	2206871	7.19	2245334	12.12
VL0204ABS01	1156404	5.67	2338807	7.20	2562070	12.13

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
 AREA LOWER LIMIT = -40% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VL0204ABL01	SDG No.:	L1391
Lab Sample ID:	VL0204ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL034578.D	1		02/04/20 13:18	VL020420

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.10	0.49	U	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.040	0.080	U	0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	0.020	0.050	U	0.050	0.080	ug/m3
74-83-9	Bromomethane	0.040	0.16	U	0.16	1.94	ug/m3
75-00-3	Chloroethane	0.040	0.11	U	0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.040	0.12	U	0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.050	0.28	U	0.28	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.050	0.38	U	0.38	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.030	0.21	U	0.21	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.11	0.33	U	0.33	1.52	ug/m3
142-82-5	Heptane	0.040	0.16	U	0.16	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.050	0.20	U	0.20	1.98	ug/m3
67-64-1	Acetone	0.28	0.67	J	0.14	1.19	ug/m3
75-15-0	Carbon Disulfide	0.060	0.19	U	0.19	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.040	0.14	U	0.14	1.80	ug/m3
75-09-2	Methylene Chloride	0.26	0.90	J	0.42	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.060	0.24	U	0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.040	0.16	U	0.16	2.02	ug/m3
110-82-7	Cyclohexane	0.10	0.34	U	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.040	0.12	U	0.12	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.020	0.13	U	0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.050	0.20	U	0.20	1.98	ug/m3
67-66-3	Chloroform	0.020	0.10	U	0.10	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.030	0.14	U	0.14	2.34	ug/m3
71-43-2	Benzene	0.040	0.13	U	0.13	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.030	0.12	U	0.12	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.030	0.14	U	0.14	2.31	ug/m3
75-27-4	Bromodichloromethane	0.040	0.27	U	0.27	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.010	0.040	U	0.040	2.05	ug/m3
108-88-3	Toluene	0.030	0.11	U	0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.030	0.14	U	0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.030	0.14	U	0.14	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.040	0.22	U	0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	0.040	0.34	U	0.34	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.040	0.31	U	0.31	3.84	ug/m3
127-18-4	Tetrachloroethene	0.010	0.070	U	0.070	0.20	ug/m3

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VL0204ABL01	SDG No.:	L1391
Lab Sample ID:	VL0204ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL034578.D	1		02/04/20 13:18	VL020420

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.020	0.090	U	0.090	2.30	ug/m3
100-41-4	Ethyl Benzene	0.040	0.17	U	0.17	2.17	ug/m3
179601-23-1	m/p-Xylene	0.10	0.43	U	0.43	4.34	ug/m3
95-47-6	o-Xylene	0.050	0.22	U	0.22	2.17	ug/m3
100-42-5	Styrene	0.040	0.17	U	0.17	2.13	ug/m3
75-25-2	Bromoform	0.040	0.41	U	0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.040	0.21	U	0.21	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.040	0.20	U	0.20	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.050	0.25	U	0.25	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.030	0.18	U	0.18	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.030	0.18	U	0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.070	0.52	U	0.52	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.070	0.75	U	0.75	5.33	ug/m3
106-99-0	1,3-Butadiene	0.040	0.090	U	0.090	1.11	ug/m3
91-20-3	Naphthalene	0.050	0.26	U	0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.040	0.20	U	0.20	2.46	ug/m3
110-54-3	Hexane	0.030	0.11	U	0.11	1.76	ug/m3
107-05-1	Allyl Chloride	0.050	0.16	U	0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	0.12	0.43	U	0.43	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.020	0.080	U	0.080	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1090000		5.67			
540-36-3	1,4-Difluorobenzene	2210000		7.19			
3114-55-4	Chlorobenzene-d5	2250000		12.12			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VL0204ABS01	SDG No.:	L1391
Lab Sample ID:	VL0204ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL034579.D	1		02/04/20 13:56	VL020420

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	8.50	42.0		0.49	2.47	ug/m3
74-87-3	Chloromethane	8.10	16.7		0.080	1.03	ug/m3
75-01-4	Vinyl Chloride	8.40	21.5		0.050	0.080	ug/m3
74-83-9	Bromomethane	9.60	37.3		0.16	1.94	ug/m3
75-00-3	Chloroethane	8.70	23.0		0.11	1.32	ug/m3
109-99-9	Tetrahydrofuran	9.30	27.4		0.12	1.47	ug/m3
75-69-4	Trichlorofluoromethane	8.70	48.9		0.28	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	8.90	68.2		0.38	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	8.50	59.4		0.21	3.49	ug/m3
75-65-0	tert-Butyl alcohol	8.80	26.7		0.33	1.52	ug/m3
142-82-5	Heptane	9.40	38.5		0.16	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.40	37.3		0.20	1.98	ug/m3
67-64-1	Acetone	9.00	21.4		0.14	1.19	ug/m3
75-15-0	Carbon Disulfide	9.40	29.3		0.19	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.40	33.9		0.14	1.80	ug/m3
75-09-2	Methylene Chloride	7.90	27.4		0.42	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	8.70	34.5		0.24	1.98	ug/m3
75-34-3	1,1-Dichloroethane	8.90	36.0		0.16	2.02	ug/m3
110-82-7	Cyclohexane	9.50	32.7		0.34	1.72	ug/m3
78-93-3	2-Butanone	8.90	26.3		0.12	1.47	ug/m3
56-23-5	Carbon Tetrachloride	8.90	56.0		0.13	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.10	36.1		0.20	1.98	ug/m3
67-66-3	Chloroform	8.60	42.0		0.10	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	8.50	46.4		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.20	43.0		0.14	2.34	ug/m3
71-43-2	Benzene	9.30	29.7		0.13	1.60	ug/m3
107-06-2	1,2-Dichloroethane	8.90	36.0		0.12	2.02	ug/m3
79-01-6	Trichloroethene	9.20	49.4		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.20	42.5		0.14	2.31	ug/m3
75-27-4	Bromodichloromethane	9.20	61.6		0.27	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	9.30	38.1		0.040	2.05	ug/m3
108-88-3	Toluene	9.90	37.3		0.11	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.1	45.9		0.14	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	9.90	44.9		0.14	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.20	50.2		0.22	2.73	ug/m3
124-48-1	Dibromochloromethane	9.70	82.6		0.34	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.70	74.5		0.31	3.84	ug/m3
127-18-4	Tetrachloroethene	9.10	61.7		0.070	0.20	ug/m3

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VL0204ABS01	SDG No.:	L1391
Lab Sample ID:	VL0204ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL034579.D	1		02/04/20 13:56	VL020420

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	8.50	39.1		0.090	2.30	ug/m3
100-41-4	Ethyl Benzene	9.20	40.0		0.17	2.17	ug/m3
179601-23-1	m/p-Xylene	17.7	76.9		0.43	4.34	ug/m3
95-47-6	o-Xylene	9.00	39.1		0.22	2.17	ug/m3
100-42-5	Styrene	9.40	40.0		0.17	2.13	ug/m3
75-25-2	Bromoform	9.90	102		0.41	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	8.30	57.0		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	9.30	48.1		0.21	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.30	45.7		0.20	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	8.70	42.8		0.25	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	8.50	51.1		0.18	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	8.50	51.1		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	8.60	51.7		0.18	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	8.10	60.1		0.52	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	7.60	81.1		0.75	5.33	ug/m3
106-99-0	1,3-Butadiene	9.20	20.4		0.090	1.11	ug/m3
91-20-3	Naphthalene	8.70	45.6		0.26	2.62	ug/m3
622-96-8	4-Ethyltoluene	9.20	45.2		0.20	2.46	ug/m3
110-54-3	Hexane	8.80	31.0		0.11	1.76	ug/m3
107-05-1	Allyl Chloride	9.00	28.2		0.16	1.57	ug/m3
123-91-1	1,4-Dioxane	9.00	32.4		0.43	1.80	ug/m3
80-62-6	Methyl Methacrylate	9.70	39.7		0.080	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.60			65 - 135	96%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1160000		5.67			
540-36-3	1,4-Difluorobenzene	2340000		7.2			
3114-55-4	Chlorobenzene-d5	2560000		12.13			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

CALIBRATION SUMMARY

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL013020AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020

Last Update : Thu Jan 30 17:16:44 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL034573.D 0.1 =VL034572.D 0.5 =VL034571.D 1 =VL034570.D 2 =VL034569.D 10 =VL034568.D 15 =VL034574.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.491	2.553	2.376	1.892	1.701	2.203	17.36
3) Chlorodifluoro...			1.340	1.319	1.285	1.076	1.022	1.208	12.24
4) Chloromethane			0.779	0.827	0.799	0.655	0.636	0.739	11.84
5) T Vinyl Chloride	0.845	0.741	0.700	0.702	0.734	0.620	0.601	0.706	11.54
6) T Bromomethane			0.410	0.390	0.381	0.336	0.320	0.367	10.28
7) Chloroethane			0.287	0.279	0.275	0.236	0.235	0.263	9.59
8) T Dichlorotetra...			1.918	1.961	1.868	1.479	1.383	1.722	15.67
9) T Propene			0.494	0.505	0.507	0.424	0.421	0.470	9.33
10) T Heptane			1.067	1.249	1.260	1.171	1.172	1.184	6.55
11) T Trichlorofluor...			2.242	2.228	2.155	1.758	1.621	2.001	14.51
12) T 1,1,2-Trichlor...			1.497	1.390	1.372	1.166	1.102	1.305	12.66
13) Ethanol			0.176	0.139	0.143	0.099	0.073	0.126	31.98
14) T Bromoethene			0.540	0.544	0.540	0.478	0.458	0.512	7.95
15) T Acetone			1.735	1.619	1.616	1.226	1.152	1.470	17.81
16) T 1,3-Butadiene			0.538	0.623	0.641	0.560	0.556	0.584	7.78
17) tert-Butyl alc...			1.325	1.253	1.044	1.033	0.749	1.081	20.84
18) T 1,1-Dichloroet...			0.583	0.584	0.585	0.511	0.492	0.551	8.30
19) T Isopropyl Alcohol			1.165	0.942	0.812	0.787	0.583	0.858	25.00
20) T Methylene Chlo...			0.673	0.629	0.600	0.456	0.441	0.560	18.78
21) T Allyl Chloride			0.944	0.970	0.964	0.858	0.828	0.913	7.16
22) T trans-1,2-Dich...			0.614	0.632	0.598	0.534	0.507	0.577	9.34
23) T Vinyl Acetate			1.682	1.682	1.834	1.611	1.576	1.677	5.92
24) T 1,1-Dichloroet...			1.487	1.525	1.507	1.267	1.213	1.400	10.57
25) T Ethyl Acetate			2.514	2.591	2.543	2.168	2.082	2.379	9.92
26) T Hexane			1.021	1.069	1.062	0.919	0.912	0.997	7.68
27) T Carbon Disulfide			1.253	1.382	1.427	1.353	1.309	1.345	4.95
28) T Methyl tert-Bu...			1.569	1.898	1.877	1.604	1.550	1.700	10.18
29) T Chloroform			1.881	1.941	1.899	1.582	1.508	1.762	11.41
30) T Cyclohexane			0.730	0.756	0.763	0.727	0.717	0.739	2.66
31) T cis-1,2-Dichlo...			0.984	1.111	1.101	0.998	0.982	1.035	6.26
32) T 1,1,1-Trichlor...	2.523	1.850	1.845	1.934	1.872	1.641	1.581	1.892	16.19

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.700	0.782	0.809	0.670	0.669	0.726	8.98
35) T Carbon Tetrach...	1.098	0.941	0.948	0.972	1.006	0.882	0.844	0.956	8.66
36) T Benzene			0.866	0.923	0.952	0.858	0.848	0.889	5.13
37) T 1,2-Dichloroet...			0.798	0.787	0.774	0.679	0.672	0.742	8.28
38) T Trichloroethene	0.383	0.335	0.365	0.399	0.402	0.373	0.367	0.375	6.07
39) T 1,2-Dichloropr...			0.377	0.390	0.384	0.347	0.345	0.369	5.77

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\											
Method File : VL013020AIR.M											
40)	T	1,4-Dioxane			0.156	0.156	0.149	0.134	0.112	0.142	13.17
41)	T	Tetrahydrofuran			0.350	0.400	0.399	0.368	0.377	0.379	5.64
42)	T	Bromodichlorom...			0.927	0.954	0.977	0.865	0.843	0.913	6.29
43)		Methyl Methacr...			0.325	0.347	0.380	0.361	0.374	0.358	6.13
44)	T	2,2,4-Trimethy...			1.550	1.727	1.783	1.526	1.482	1.613	8.24
45)	T	t-1,3-Dichloro...			0.383	0.420	0.479	0.524	0.535	0.468	14.05
46)	T	cis-1,3-Dichlo...			0.440	0.496	0.564	0.577	0.585	0.532	11.78
47)	T	1,1,2-Trichlor...			0.392	0.420	0.426	0.376	0.382	0.399	5.64
48)	T	Dibromochlorom...			0.689	0.741	0.760	0.739	0.729	0.732	3.57
49)	T	Bromoform			0.544	0.625	0.712	0.665	0.666	0.642	9.78
50)	T	4-Methyl-2-Pen...			0.974	1.077	1.112	1.010	1.004	1.035	5.53
51)	T	2-Hexanone			0.680	0.810	0.891	0.841	0.854	0.815	9.91
52)	T	Tetrachloroethene	0.436	0.334	0.338	0.349	0.370	0.333	0.341	0.357	10.37
53)	T	Toluene			0.828	0.982	1.079	1.002	0.994	0.977	9.39
54)	T	1,2-Dibromoethane			0.577	0.633	0.629	0.574	0.579	0.598	5.03
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.522	0.539	0.524	0.452	0.431	0.494	9.81
57)	T	Chlorobenzene			0.912	0.888	0.865	0.737	0.713	0.823	11.09
58)	T	Ethyl Benzene			1.255	1.451	1.477	1.286	1.221	1.338	8.78
59)	T	m/p-Xylene			1.200	1.302	1.294	1.098	1.021	1.183	10.38
60)	T	o-Xylene			1.172	1.281	1.332	1.104	1.052	1.188	9.90
61)	T	Styrene			0.685	0.810	0.868	0.811	0.785	0.792	8.47
62)		Isopropylbenzene			1.526	1.683	1.729	1.420	1.340	1.539	10.81
63)	T	1,1,2,2-Tetrac...	1.145	0.854	1.006	0.959	0.951	0.777	0.739	0.919	15.27
64)		n-propylbenzene			0.382	0.432	0.421	0.377	0.370	0.396	7.11
65)		tert-Butylbenzene			1.375	1.508	1.595	1.282	1.214	1.395	11.25
66)	T	Benzyl Chloride			0.486	0.563	0.606	0.638	0.630	0.585	10.69
67)		sec-Butylbenzene			1.946	2.106	2.190	1.730	1.612	1.917	12.75
68)	S	1-Bromo-4-Fluo...	0.852	0.866	0.874	0.861	0.822	0.825	0.816	0.845	2.81
69)		p-Isopropyltol...			1.457	1.710	1.807	1.458	1.349	1.556	12.39
70)		n-Butylbenzene			1.576	1.839	1.918	1.510	1.417	1.652	13.07
71)		2-Chlorotoluene			1.087	1.261	1.327	1.115	1.053	1.169	10.18
72)	T	4-Ethyltoluene			1.248	1.379	1.476	1.234	1.187	1.305	9.13
73)	T	1,3,5-Trimethy...			1.235	1.361	1.451	1.195	1.134	1.275	10.08
74)	T	1,2,4-Trimethy...			1.498	1.566	1.570	1.246	1.178	1.412	13.20
75)	T	1,3-Dichlorobe...			0.885	0.908	0.889	0.701	0.681	0.813	13.76
76)	T	1,4-Dichlorobe...			0.859	0.894	0.877	0.703	0.674	0.801	13.04
77)	T	1,2-Dichlorobe...			0.854	0.874	0.857	0.670	0.649	0.781	14.23
78)	T	Hexachloro-1,3...			0.824	0.865	0.827	0.616	0.602	0.747	17.01
79)	T	Naphthalene			0.961	1.215	1.284	1.055	1.042	1.111	12.02
80)	T	Naphthalene,2-...			0.286	0.384	0.439	0.497	0.531	0.428	22.64
81)	T	1,2,4-Trichlor...			0.624	0.739	0.799	0.634	0.630	0.685	11.61

(#) = Out of Range

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1391 SAS No.: L1391 SDG No.: L1391
 Instrument ID: MSVOA_L Calibration Date/Time: 02/04/2020 11:42
 Lab File ID: VL034577.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 Heated Purge: (Y/N) N Init. Calib. Time(s): 12:05 15:57
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.203	1.876		-14.84	30
Chloromethane	0.739	0.634		-14.21	30
Vinyl Chloride	0.706	0.593		-16.01	30
Bromomethane	0.367	0.326		-11.17	30
Chloroethane	0.263	0.230		-12.55	30
Tetrahydrofuran	0.379	0.354		-6.6	30
Trichlorofluoromethane	2.001	1.734		-13.34	30
1,1,2-Trichlorotrifluoroethane	1.305	1.172		-10.19	30
Dichlorotetrafluoroethane	1.722	1.479		-14.11	30
tert-Butyl alcohol	1.081	0.983		-9.07	30
Heptane	1.184	1.126		-4.9	30
1,1-Dichloroethene	0.551	0.522		-5.26	30
Acetone	1.470	1.203		-18.16	30
Carbon Disulfide	1.345	1.356		0.82	30
Methyl tert-Butyl Ether	1.700	1.613		-5.12	30
Methylene Chloride	0.560	0.446		-20.36	30
trans-1,2-Dichloroethene	0.577	0.529		-8.32	30
1,1-Dichloroethane	1.400	1.246		-11	30
Cyclohexane	0.739	0.729		-1.35	30
2-Butanone	0.726	0.647		-10.88	30
Carbon Tetrachloride	0.956	0.866		-9.41	30
cis-1,2-Dichloroethene	1.035	0.967		-6.57	30
Chloroform	1.762	1.540		-12.6	30
1,1,1-Trichloroethane	1.892	1.634		-13.64	30
2,2,4-Trimethylpentane	1.613	1.474		-8.62	30
Benzene	0.889	0.841		-5.4	30
1,2-Dichloroethane	0.742	0.667		-10.11	30
Trichloroethene	0.375	0.364		-2.93	30
1,2-Dichloropropane	0.369	0.334		-9.48	30
Bromodichloromethane	0.913	0.851		-6.79	30
4-Methyl-2-Pentanone	1.035	0.968		-6.47	30
Toluene	0.977	0.971		-0.61	30
t-1,3-Dichloropropene	0.468	0.512		9.4	30
cis-1,3-Dichloropropene	0.532	0.556		4.51	30
1,1,2-Trichloroethane	0.399	0.365		-8.52	30
Dibromochloromethane	0.732	0.713		-2.6	30
1,2-Dibromoethane	0.598	0.554		-7.36	30
Tetrachloroethene	0.357	0.326		-8.68	30
Chlorobenzene	0.823	0.733		-10.94	30

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

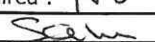
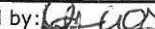
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1391 SAS No.: L1391 SDG No.: L1391
 Instrument ID: MSVOA_L Calibration Date/Time: 02/04/2020 11:42
 Lab File ID: VL034577.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 Heated Purge: (Y/N) N Init. Calib. Time(s): 12:05 15:57
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Ethyl Benzene	1.338	1.277		-4.56	30
m/p-Xylene	1.183	1.068		-9.72	30
o-Xylene	1.188	1.100		-7.41	30
Styrene	0.792	0.789		-0.38	30
Bromoform	0.642	0.645		0.47	30
1,1,2,2-Tetrachloroethane	0.919	0.764		-16.87	30
2-Chlorotoluene	1.169	1.085		-7.19	30
1,3,5-Trimethylbenzene	1.275	1.183		-7.22	30
1,2,4-Trimethylbenzene	1.412	1.232		-12.75	30
1,3-Dichlorobenzene	0.813	0.695		-14.51	30
1,4-Dichlorobenzene	0.801	0.694		-13.36	30
1,2-Dichlorobenzene	0.781	0.652		-16.52	30
1,2,4-Trichlorobenzene	0.685	0.639		-6.72	30
Hexachloro-1,3-Butadiene	0.747	0.615		-17.67	30
1,3-Butadiene	0.584	0.549		-5.99	30
Naphthalene	1.111	1.047		-5.76	30
4-Ethyltoluene	1.305	1.229		-5.82	30
1-Bromo-4-Fluorobenzene	0.845	0.841		-0.47	30
Hexane	0.997	0.904		-9.33	30
Allyl Chloride	0.913	0.857		-6.13	30
1,4-Dioxane	141.713	124.272		-12.31	30
Methyl Methacrylate	0.358	0.354		-1.12	30

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

Client Contact Information				Bottle Order ID : B2001093				Courier :				_____ of _____ COCs									
Client ID : ATCE02 Project ID : 64 Centre Avenue, New Rochelle, NY				Sampler Name(s) :				Analysis				Matrix									
Customer Name : ATC Group Services LLC Address : 104 East 25th Street, 10th Floor				Project Manager DENISE COSENZA				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified													
				Phone Number : 212-353-8280																	
				Fax Number : 2129798447																	
				Site Details:																	
City : New York				Analysis Turnaround Time				Data Package Type :													
State : NY				Standard : 10 business days OR				EDD Type :													
Zip Code : 10010				Rush (Specify): _____ Days																	
Country :																					
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout	Can Cert ID	TO-15					Indoor/Ambient Air	Soil Gas
SV-1	2/4/20	8:44	9:14	-30	0	48°	48°	-30	-1.8	10104	10280	6 L	200	VL034561.D	X						
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 											
		Ambient	Maximum	Minimum																	
Start																					
Stop																					
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO											
		Ambient	Maximum	Minimum																	
Start																					
Stop																					
Special Instructions/QC Requirements & Comments :																					
Suspected Contamination: High Medium Low PID Readings:																					
Sampling site (State):																					
Quick Connector required : NO																					
Canisters Shipped by: 				Date/Time: 2/13/20				Canisters Received by:				Date/Time:				B2001093 - 1					
Samples Relinquished by: 				Date/Time:				Received by:  2/4/20 12:22				Date/Time:									
Relinquished by:  2/4/20 1:55				Date/Time:				Received by: 				Date/Time:									

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample			
Laboratory: <u>Chemtech</u>		Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u>	
~~0006E~~		Title: <u>Sample Custodian</u>	
Field Sample Seal No.: <u>L1391</u>		Date Broken <u>2/4/2020</u>	Military Time Seal Broken: <u>13:53:00</u>
Case No.: <u>64 Centre Avenue, New Ro</u>		Analytical Parameter/Fraction <u>TO-15</u>	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
L1391-01	SV-1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
2-4-20	14:10	Signature 	Signature 	
		Printed Name <u>Cassanova Leia</u>	Printed Name <u>Pedro Sander</u>	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

DATA PACKAGE

VOLATILE ORGANICS
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : 64 CENTRE AVENUE, NEW ROCHELLE, NY

ATC GROUP SERVICES LLC
104 East 25th Street, 10th Floor

New York, NY - 10010
Phone No: 212-353-8280

ORDER ID : L1390
ATTENTION : Denise Cosenza



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Cover Page

Order ID : L1390

Project ID : 64 Centre Avenue, New Rochelle, NY

Client : ATC Group Services LLC

Lab Sample Number

L1390-01
L1390-02
L1390-03
L1390-04
L1390-05
L1390-08

Client Sample Number

SB-1
SB-2
SB-3
SB-4
SB-5
SB-5-WS

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:30 am, Feb 18, 2020

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ATC Group Services LLC

Project Name: 64 Centre Avenue, New Rochelle, NY

Project # N/A

Chemtech Project # L1390

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 02/04/2020.

1 Water sample was received on 02/04/2020.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator. The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator. The analysis of VOCMS Group1 was based on method 8260-Low, 8260C.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (82D020520S.m) for Methylene Chloride, this compound is passing on Linear Regression .

The % RSD is greater than 15% in the Initial Calibration method (82X012220S.M) for Dichlorodifluoromethane, Chloroethane, Acetone, these are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration (Method 82Y020420S.M) for Methylene Chloride, this compound is passing on Linear regression.

The Continuous Calibration File ID VX014837.D met the requirements except for Carbon Disulfide .

The Tuning criteria met requirements.

Sample SB-1 was diluted due to high concentration.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

For sample# L1390-08(SB-5-WS), Analyst observed high pH for this sample. Analyst recorded pH#7.0 using pH paper.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:30 am, Feb 18, 2020

CASE NARRATIVE

ATC Group Services LLC

Project Name: 64 Centre Avenue, New Rochelle, NY

Project # N/A

Chemtech Project # L1390

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 02/04/2020.

1 Water sample was received on 02/04/2020.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GG. The analysis of SVOCMS Group1 was based on method 8270D and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {L1390-02MS} with File ID: BG044308.D recoveries met the requirements for all compounds except for 2,4-Dimethylphenol[121%] .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike for {PB126599BS} with File ID: BG044302.D met requirements for all samples except for 2,4-Dimethylphenol[106%] .

The Blank Spike for {PB126601BS} with File ID: BG044357.D met requirements for all samples except for 3+4-Methylphenols[92%] .

The Blank Spike Duplicate for {PB126601BSD} with File ID: BG044358.D met requirements for all samples except for 3+4-Methylphenols[92%] .

The Blank analysis indicated presence of Dimethylphthalate[5.8 ug/L]

FileID:BG044312.D{PB126601BL} due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF020320.M) for Benzaldehyde this compound is passing on Quadratic Regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BG013020.M) for 2,4-Dinitrophenol, Pentachlorophenol, these compounds are passing on Linear regression. The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Sample SB-1 was diluted due to high concentration.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:30 am, Feb 18, 2020

CASE NARRATIVE

ATC Group Services LLC

Project Name: 64 Centre Avenue, New Rochelle, NY

Project # N/A

Chemtech Project # L1390

Test Name: PCB

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 02/04/2020.

1 Water sample was received on 02/04/2020.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:30 am, Feb 18, 2020

CASE NARRATIVE**ATC Group Services LLC****Project Name: 64 Centre Avenue, New Rochelle, NY****Project # N/A****Chemtech Project # L1390****Test Name: Metals ICP-TAL,Mercury****A. Number of Samples and Date of Receipt:**

5 Solid samples were received on 02/04/2020.

1 Water sample was received on 02/04/2020.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample SB-5 was diluted due to high concentrations for Mercury.

The Blank Spike met requirements for all samples.

The Duplicate(SB-2MSD) analysis met criteria for all samples except for Calcium.

The Matrix Spike (SB-2MS) analysis met criteria for all samples except for Antimony, Arsenic, Beryllium, Chromium, Copper, Selenium, Sodium, Thallium, Vanadium.

The Matrix Spike Duplicate (SB-2MSD) analysis met criteria for all samples except for Antimony, Arsenic, Copper, Selenium, Thallium.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution (COMP-01L) met criteria for all samples except for Mercury.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____

*N. N. Pandya***APPROVED***By Nimisha Pandya, QA/QC Supervisor at 11:31 am, Feb 18, 2020*

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: L1390

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: APARNA SONI

Date: 02/18/2020

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

Date:

By Nimisha Pandya, QA/QC Supervisor at 11:32 am, Feb 18, 2020

LAB CHRONICLE

OrderID: L1390
Client: ATC Group Services LLC
Contact: Denise Cosenza

OrderDate: 2/4/2020 11:53:00 AM
Project: 64 Centre Avenue, New Rochelle, NY
Location: L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
L1390-01	SB-1	SOIL	VOCMS Group1	8260C	02/04/20		02/06/20	02/04/20
L1390-01DL	SB-1DL	SOIL	VOCMS Group1	8260C	02/04/20		02/06/20	02/04/20
L1390-02	SB-2	SOIL	VOCMS Group1	8260C	02/04/20		02/04/20	02/04/20
L1390-03	SB-3	SOIL	VOCMS Group1	8260C	02/04/20		02/04/20	02/04/20
L1390-04	SB-4	SOIL	VOCMS Group1	8260C	02/04/20		02/04/20	02/04/20
L1390-05	SB-5	SOIL	VOCMS Group1	8260C	02/04/20		02/06/20	02/04/20
L1390-08	SB-5-WS	Water	VOCMS Group1	8260-Low	02/04/20		02/05/20	02/04/20

SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11
Sample Wt/Vol:	7.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014858.D	1		02/06/20 19:16	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.036	U	0.036	0.20	mg/Kg
74-87-3	Chloromethane	0.071	U	0.071	0.20	mg/Kg
75-01-4	Vinyl Chloride	0.044	U	0.044	0.20	mg/Kg
74-83-9	Bromomethane	0.015	U	0.015	0.20	mg/Kg
75-00-3	Chloroethane	0.023	U	0.023	0.20	mg/Kg
75-69-4	Trichlorofluoromethane	0.026	U	0.026	0.20	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.032	U	0.032	0.20	mg/Kg
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.20	mg/Kg
67-64-1	Acetone	0.31	U	0.31	1.00	mg/Kg
75-15-0	Carbon Disulfide	0.043	U	0.043	0.20	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.056	U	0.056	0.20	mg/Kg
79-20-9	Methyl Acetate	0.11	U	0.11	0.20	mg/Kg
75-09-2	Methylene Chloride	0.21	U	0.21	0.40	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.050	U	0.050	0.20	mg/Kg
75-34-3	1,1-Dichloroethane	0.036	U	0.036	0.20	mg/Kg
110-82-7	Cyclohexane	1.20		0.072	0.20	mg/Kg
78-93-3	2-Butanone	0.27	U	0.27	1.00	mg/Kg
56-23-5	Carbon Tetrachloride	0.033	U	0.033	0.20	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.039	U	0.039	0.20	mg/Kg
74-97-5	Bromochloromethane	0.048	U	0.048	0.20	mg/Kg
67-66-3	Chloroform	0.035	U	0.035	0.20	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.042	U	0.042	0.20	mg/Kg
108-87-2	Methylcyclohexane	7.10	E	0.047	0.20	mg/Kg
71-43-2	Benzene	0.034	U	0.034	0.20	mg/Kg
107-06-2	1,2-Dichloroethane	0.048	U	0.048	0.20	mg/Kg
79-01-6	Trichloroethene	0.037	U	0.037	0.20	mg/Kg
78-87-5	1,2-Dichloropropane	0.050	U	0.050	0.20	mg/Kg
75-27-4	Bromodichloromethane	0.040	U	0.040	0.20	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.22	U	0.22	1.00	mg/Kg
108-88-3	Toluene	0.039	U	0.039	0.20	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.040	U	0.040	0.20	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.043	U	0.043	0.20	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11
Sample Wt/Vol:	7.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014858.D	1		02/06/20 19:16	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.057	U	0.057	0.20	mg/Kg
591-78-6	2-Hexanone	0.29	U	0.29	1.00	mg/Kg
124-48-1	Dibromochloromethane	0.052	U	0.052	0.20	mg/Kg
106-93-4	1,2-Dibromoethane	0.052	U	0.052	0.20	mg/Kg
127-18-4	Tetrachloroethene	0.028	U	0.028	0.20	mg/Kg
108-90-7	Chlorobenzene	0.032	U	0.032	0.20	mg/Kg
100-41-4	Ethyl Benzene	0.89		0.034	0.20	mg/Kg
179601-23-1	m/p-Xylenes	0.066	U	0.066	0.40	mg/Kg
95-47-6	o-Xylene	0.044	U	0.044	0.20	mg/Kg
100-42-5	Styrene	0.040	U	0.040	0.20	mg/Kg
75-25-2	Bromoform	0.13	U	0.13	0.20	mg/Kg
98-82-8	Isopropylbenzene	0.65		0.035	0.20	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.043	U	0.043	0.20	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.043	U	0.043	0.20	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.042	U	0.042	0.20	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.051	U	0.051	0.20	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.13	U	0.13	0.20	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.044	U	0.044	0.20	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.051	U	0.051	0.20	mg/Kg
123-91-1	1,4-Dioxane	2.00	U	2.00	4.00	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		56 - 120	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	50.1		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		33 - 141	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	456000	5.65			
540-36-3	1,4-Difluorobenzene	692000	6.85			
3114-55-4	Chlorobenzene-d5	620000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	344000	12.07			

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11
Sample Wt/Vol:	7.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014858.D	1		02/06/20 19:16	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1DL	SDG No.:	L1390
Lab Sample ID:	L1390-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11
Sample Wt/Vol:	7.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014849.D	20		02/06/20 15:47	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.73	UD	0.73	4.00	mg/Kg
74-87-3	Chloromethane	1.40	UD	1.40	4.00	mg/Kg
75-01-4	Vinyl Chloride	0.89	UD	0.89	4.00	mg/Kg
74-83-9	Bromomethane	0.30	UD	0.30	4.00	mg/Kg
75-00-3	Chloroethane	0.46	UD	0.46	4.00	mg/Kg
75-69-4	Trichlorofluoromethane	0.52	UD	0.52	4.00	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	UD	0.64	4.00	mg/Kg
75-35-4	1,1-Dichloroethene	0.79	UD	0.79	4.00	mg/Kg
67-64-1	Acetone	6.10	UD	6.10	20.0	mg/Kg
75-15-0	Carbon Disulfide	0.86	UD	0.86	4.00	mg/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	UD	1.10	4.00	mg/Kg
79-20-9	Methyl Acetate	2.20	UD	2.20	4.00	mg/Kg
75-09-2	Methylene Chloride	4.20	UD	4.20	8.00	mg/Kg
156-60-5	trans-1,2-Dichloroethene	1.00	UD	1.00	4.00	mg/Kg
75-34-3	1,1-Dichloroethane	0.73	UD	0.73	4.00	mg/Kg
110-82-7	Cyclohexane	1.40	JD	1.40	4.00	mg/Kg
78-93-3	2-Butanone	5.30	UD	5.30	20.0	mg/Kg
56-23-5	Carbon Tetrachloride	0.66	UD	0.66	4.00	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	UD	0.79	4.00	mg/Kg
74-97-5	Bromochloromethane	0.95	UD	0.95	4.00	mg/Kg
67-66-3	Chloroform	0.69	UD	0.69	4.00	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.85	UD	0.85	4.00	mg/Kg
108-87-2	Methylcyclohexane	7.30	D	0.94	4.00	mg/Kg
71-43-2	Benzene	0.67	UD	0.67	4.00	mg/Kg
107-06-2	1,2-Dichloroethane	0.96	UD	0.96	4.00	mg/Kg
79-01-6	Trichloroethene	0.74	UD	0.74	4.00	mg/Kg
78-87-5	1,2-Dichloropropane	1.00	UD	1.00	4.00	mg/Kg
75-27-4	Bromodichloromethane	0.79	UD	0.79	4.00	mg/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	UD	4.50	20.0	mg/Kg
108-88-3	Toluene	0.78	UD	0.78	4.00	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.80	UD	0.80	4.00	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.86	UD	0.86	4.00	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1DL	SDG No.:	L1390
Lab Sample ID:	L1390-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11
Sample Wt/Vol:	7.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014849.D	20		02/06/20 15:47	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.10	UD	1.10	4.00	mg/Kg
591-78-6	2-Hexanone	5.90	UD	5.90	20.0	mg/Kg
124-48-1	Dibromochloromethane	1.00	UD	1.00	4.00	mg/Kg
106-93-4	1,2-Dibromoethane	1.00	UD	1.00	4.00	mg/Kg
127-18-4	Tetrachloroethene	0.56	UD	0.56	4.00	mg/Kg
108-90-7	Chlorobenzene	0.63	UD	0.63	4.00	mg/Kg
100-41-4	Ethyl Benzene	0.79	JD	0.68	4.00	mg/Kg
179601-23-1	m/p-Xylenes	1.30	UD	1.30	8.00	mg/Kg
95-47-6	o-Xylene	0.88	UD	0.88	4.00	mg/Kg
100-42-5	Styrene	0.79	UD	0.79	4.00	mg/Kg
75-25-2	Bromoform	2.60	UD	2.60	4.00	mg/Kg
98-82-8	Isopropylbenzene	0.69	UD	0.69	4.00	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	UD	0.87	4.00	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.85	UD	0.85	4.00	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.84	UD	0.84	4.00	mg/Kg
95-50-1	1,2-Dichlorobenzene	1.00	UD	1.00	4.00	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	2.70	4.00	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.89	UD	0.89	4.00	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	4.00	mg/Kg
123-91-1	1,4-Dioxane	39.8	UD	39.8	79.9	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		57 - 135	92%	SPK: 50
2037-26-5	Toluene-d8	49.4		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		33 - 141	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	459000	5.65			
540-36-3	1,4-Difluorobenzene	698000	6.85			
3114-55-4	Chlorobenzene-d5	653000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	322000	12.07			

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1DL	SDG No.:	L1390
Lab Sample ID:	L1390-01DL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11
Sample Wt/Vol:	7.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014849.D	20		02/06/20 15:47	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2	SDG No.:	L1390
Lab Sample ID:	L1390-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.5
Sample Wt/Vol:	6.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001493.D	1		02/04/20 17:43	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00075	U	0.00075	0.0042	mg/Kg
74-87-3	Chloromethane	0.0015	U	0.0015	0.0042	mg/Kg
75-01-4	Vinyl Chloride	0.00092	U	0.00092	0.0042	mg/Kg
74-83-9	Bromomethane	0.00031	U	0.00031	0.0042	mg/Kg
75-00-3	Chloroethane	0.00048	U	0.00048	0.0042	mg/Kg
75-69-4	Trichlorofluoromethane	0.00054	U	0.00054	0.0042	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00067	U	0.00067	0.0042	mg/Kg
75-35-4	1,1-Dichloroethene	0.00082	U	0.00082	0.0042	mg/Kg
67-64-1	Acetone	0.012	J	0.0064	0.021	mg/Kg
75-15-0	Carbon Disulfide	0.00089	U	0.00089	0.0042	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0012	U	0.0012	0.0042	mg/Kg
79-20-9	Methyl Acetate	0.0023	U	0.0023	0.0042	mg/Kg
75-09-2	Methylene Chloride	0.0043	U	0.0043	0.0083	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0010	U	0.0010	0.0042	mg/Kg
75-34-3	1,1-Dichloroethane	0.00076	U	0.00076	0.0042	mg/Kg
110-82-7	Cyclohexane	0.0015	U	0.0015	0.0042	mg/Kg
78-93-3	2-Butanone	0.0055	U	0.0055	0.021	mg/Kg
56-23-5	Carbon Tetrachloride	0.00069	U	0.00069	0.0042	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00082	U	0.00082	0.0042	mg/Kg
74-97-5	Bromochloromethane	0.00099	U	0.00099	0.0042	mg/Kg
67-66-3	Chloroform	0.00072	U	0.00072	0.0042	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00088	U	0.00088	0.0042	mg/Kg
108-87-2	Methylcyclohexane	0.00098	U	0.00098	0.0042	mg/Kg
71-43-2	Benzene	0.00070	U	0.00070	0.0042	mg/Kg
107-06-2	1,2-Dichloroethane	0.0010	U	0.0010	0.0042	mg/Kg
79-01-6	Trichloroethene	0.00077	U	0.00077	0.0042	mg/Kg
78-87-5	1,2-Dichloropropane	0.0010	U	0.0010	0.0042	mg/Kg
75-27-4	Bromodichloromethane	0.00083	U	0.00083	0.0042	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0046	U	0.0046	0.021	mg/Kg
108-88-3	Toluene	0.00081	U	0.00081	0.0042	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00084	U	0.00084	0.0042	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00089	U	0.00089	0.0042	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2	SDG No.:	L1390
Lab Sample ID:	L1390-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.5
Sample Wt/Vol:	6.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001493.D	1		02/04/20 17:43	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.0012	U	0.0012	0.0042	mg/Kg
591-78-6	2-Hexanone	0.0061	U	0.0061	0.021	mg/Kg
124-48-1	Dibromochloromethane	0.0011	U	0.0011	0.0042	mg/Kg
106-93-4	1,2-Dibromoethane	0.0011	U	0.0011	0.0042	mg/Kg
127-18-4	Tetrachloroethene	0.00058	U	0.00058	0.0042	mg/Kg
108-90-7	Chlorobenzene	0.00065	U	0.00065	0.0042	mg/Kg
100-41-4	Ethyl Benzene	0.00071	U	0.00071	0.0042	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.0083	mg/Kg
95-47-6	o-Xylene	0.00091	U	0.00091	0.0042	mg/Kg
100-42-5	Styrene	0.00082	U	0.00082	0.0042	mg/Kg
75-25-2	Bromoform	0.0027	U	0.0027	0.0042	mg/Kg
98-82-8	Isopropylbenzene	0.00072	U	0.00072	0.0042	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.0042	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00088	U	0.00088	0.0042	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00088	U	0.00088	0.0042	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0011	U	0.0011	0.0042	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0028	U	0.0028	0.0042	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.0042	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.0042	mg/Kg
123-91-1	1,4-Dioxane	0.041	U	0.041	0.083	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		56 - 120	119%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		57 - 135	107%	SPK: 50
2037-26-5	Toluene-d8	54.7		67 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		33 - 141	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	7.82			
540-36-3	1,4-Difluorobenzene	334000	8.71			
3114-55-4	Chlorobenzene-d5	310000	11.5			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.43			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-2		SDG No.:	L1390	
Lab Sample ID:	L1390-02		Matrix:	SOIL	
Analytical Method:	SW8260		% Moisture:	11.5	
Sample Wt/Vol:	6.8	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001493.D	1		02/04/20 17:43	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-3	SDG No.:	L1390
Lab Sample ID:	L1390-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.4
Sample Wt/Vol:	7.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001494.D	1		02/04/20 18:06	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00068	U	0.00068	0.0038	mg/Kg
74-87-3	Chloromethane	0.0013	U	0.0013	0.0038	mg/Kg
75-01-4	Vinyl Chloride	0.00084	U	0.00084	0.0038	mg/Kg
74-83-9	Bromomethane	0.00028	U	0.00028	0.0038	mg/Kg
75-00-3	Chloroethane	0.00043	U	0.00043	0.0038	mg/Kg
75-69-4	Trichlorofluoromethane	0.00049	U	0.00049	0.0038	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00060	U	0.00060	0.0038	mg/Kg
75-35-4	1,1-Dichloroethene	0.00074	U	0.00074	0.0038	mg/Kg
67-64-1	Acetone	0.0058	U	0.0058	0.019	mg/Kg
75-15-0	Carbon Disulfide	0.00080	U	0.00080	0.0038	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0010	U	0.0010	0.0038	mg/Kg
79-20-9	Methyl Acetate	0.0021	U	0.0021	0.0038	mg/Kg
75-09-2	Methylene Chloride	0.0039	U	0.0039	0.0075	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00095	U	0.00095	0.0038	mg/Kg
75-34-3	1,1-Dichloroethane	0.00068	U	0.00068	0.0038	mg/Kg
110-82-7	Cyclohexane	0.0013	U	0.0013	0.0038	mg/Kg
78-93-3	2-Butanone	0.0050	U	0.0050	0.019	mg/Kg
56-23-5	Carbon Tetrachloride	0.00062	U	0.00062	0.0038	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00074	U	0.00074	0.0038	mg/Kg
74-97-5	Bromochloromethane	0.00090	U	0.00090	0.0038	mg/Kg
67-66-3	Chloroform	0.00065	U	0.00065	0.0038	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00080	U	0.00080	0.0038	mg/Kg
108-87-2	Methylcyclohexane	0.00089	U	0.00089	0.0038	mg/Kg
71-43-2	Benzene	0.00063	U	0.00063	0.0038	mg/Kg
107-06-2	1,2-Dichloroethane	0.00090	U	0.00090	0.0038	mg/Kg
79-01-6	Trichloroethene	0.00070	U	0.00070	0.0038	mg/Kg
78-87-5	1,2-Dichloropropane	0.00094	U	0.00094	0.0038	mg/Kg
75-27-4	Bromodichloromethane	0.00075	U	0.00075	0.0038	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0042	U	0.0042	0.019	mg/Kg
108-88-3	Toluene	0.00073	U	0.00073	0.0038	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00076	U	0.00076	0.0038	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00080	U	0.00080	0.0038	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-3	SDG No.:	L1390
Lab Sample ID:	L1390-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.4
Sample Wt/Vol:	7.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001494.D	1		02/04/20 18:06	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.0011	U	0.0011	0.0038	mg/Kg
591-78-6	2-Hexanone	0.0055	U	0.0055	0.019	mg/Kg
124-48-1	Dibromochloromethane	0.00099	U	0.00099	0.0038	mg/Kg
106-93-4	1,2-Dibromoethane	0.00098	U	0.00098	0.0038	mg/Kg
127-18-4	Tetrachloroethene	0.00052	U	0.00052	0.0038	mg/Kg
108-90-7	Chlorobenzene	0.00059	U	0.00059	0.0038	mg/Kg
100-41-4	Ethyl Benzene	0.00064	U	0.00064	0.0038	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.0075	mg/Kg
95-47-6	o-Xylene	0.00082	U	0.00082	0.0038	mg/Kg
100-42-5	Styrene	0.00074	U	0.00074	0.0038	mg/Kg
75-25-2	Bromoform	0.0025	U	0.0025	0.0038	mg/Kg
98-82-8	Isopropylbenzene	0.00065	U	0.00065	0.0038	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00082	U	0.00082	0.0038	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00080	U	0.00080	0.0038	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00079	U	0.00079	0.0038	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00095	U	0.00095	0.0038	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0025	U	0.0025	0.0038	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00084	U	0.00084	0.0038	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.0038	mg/Kg
123-91-1	1,4-Dioxane	0.038	U	0.038	0.075	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		56 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		57 - 135	106%	SPK: 50
2037-26-5	Toluene-d8	54.0		67 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		33 - 141	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	7.82			
540-36-3	1,4-Difluorobenzene	348000	8.71			
3114-55-4	Chlorobenzene-d5	321000	11.5			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.43			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20
Client Sample ID:	SB-3		SDG No.:	L1390
Lab Sample ID:	L1390-03		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	16.4
Sample Wt/Vol:	7.96	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001494.D	1		02/04/20 18:06	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-4	SDG No.:	L1390
Lab Sample ID:	L1390-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	8.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001495.D	1		02/04/20 18:28	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00064	U	0.00064	0.0035	mg/Kg
74-87-3	Chloromethane	0.0012	U	0.0012	0.0035	mg/Kg
75-01-4	Vinyl Chloride	0.00078	U	0.00078	0.0035	mg/Kg
74-83-9	Bromomethane	0.00026	U	0.00026	0.0035	mg/Kg
75-00-3	Chloroethane	0.00040	U	0.00040	0.0035	mg/Kg
75-69-4	Trichlorofluoromethane	0.00045	U	0.00045	0.0035	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00056	U	0.00056	0.0035	mg/Kg
75-35-4	1,1-Dichloroethene	0.00069	U	0.00069	0.0035	mg/Kg
67-64-1	Acetone	0.0054	U	0.0054	0.018	mg/Kg
75-15-0	Carbon Disulfide	0.00075	U	0.00075	0.0035	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00098	U	0.00098	0.0035	mg/Kg
79-20-9	Methyl Acetate	0.0020	U	0.0020	0.0035	mg/Kg
75-09-2	Methylene Chloride	0.0036	U	0.0036	0.0070	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00088	U	0.00088	0.0035	mg/Kg
75-34-3	1,1-Dichloroethane	0.00064	U	0.00064	0.0035	mg/Kg
110-82-7	Cyclohexane	0.0013	U	0.0013	0.0035	mg/Kg
78-93-3	2-Butanone	0.0047	U	0.0047	0.018	mg/Kg
56-23-5	Carbon Tetrachloride	0.00058	U	0.00058	0.0035	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00069	U	0.00069	0.0035	mg/Kg
74-97-5	Bromochloromethane	0.00083	U	0.00083	0.0035	mg/Kg
67-66-3	Chloroform	0.00060	U	0.00060	0.0035	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00074	U	0.00074	0.0035	mg/Kg
108-87-2	Methylcyclohexane	0.00083	U	0.00083	0.0035	mg/Kg
71-43-2	Benzene	0.00059	U	0.00059	0.0035	mg/Kg
107-06-2	1,2-Dichloroethane	0.00084	U	0.00084	0.0035	mg/Kg
79-01-6	Trichloroethene	0.00065	U	0.00065	0.0035	mg/Kg
78-87-5	1,2-Dichloropropane	0.00087	U	0.00087	0.0035	mg/Kg
75-27-4	Bromodichloromethane	0.00070	U	0.00070	0.0035	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0039	U	0.0039	0.018	mg/Kg
108-88-3	Toluene	0.00068	U	0.00068	0.0035	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00070	U	0.00070	0.0035	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00075	U	0.00075	0.0035	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-4	SDG No.:	L1390
Lab Sample ID:	L1390-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	8.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001495.D	1		02/04/20 18:28	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.0010	U	0.0010	0.0035	mg/Kg
591-78-6	2-Hexanone	0.0052	U	0.0052	0.018	mg/Kg
124-48-1	Dibromochloromethane	0.00092	U	0.00092	0.0035	mg/Kg
106-93-4	1,2-Dibromoethane	0.00091	U	0.00091	0.0035	mg/Kg
127-18-4	Tetrachloroethene	0.00049	U	0.00049	0.0035	mg/Kg
108-90-7	Chlorobenzene	0.00055	U	0.00055	0.0035	mg/Kg
100-41-4	Ethyl Benzene	0.00060	U	0.00060	0.0035	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.0070	mg/Kg
95-47-6	o-Xylene	0.00077	U	0.00077	0.0035	mg/Kg
100-42-5	Styrene	0.00069	U	0.00069	0.0035	mg/Kg
75-25-2	Bromoform	0.0023	U	0.0023	0.0035	mg/Kg
98-82-8	Isopropylbenzene	0.00061	U	0.00061	0.0035	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00076	U	0.00076	0.0035	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00075	U	0.00075	0.0035	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00074	U	0.00074	0.0035	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00089	U	0.00089	0.0035	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0023	U	0.0023	0.0035	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.0035	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.0035	mg/Kg
123-91-1	1,4-Dioxane	0.035	U	0.035	0.070	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.0		56 - 120	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	53.8		67 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		33 - 141	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	7.82			
540-36-3	1,4-Difluorobenzene	226000	8.71			
3114-55-4	Chlorobenzene-d5	201000	11.5			
3855-82-1	1,4-Dichlorobenzene-d4	92600	13.43			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-4		SDG No.:	L1390	
Lab Sample ID:	L1390-04		Matrix:	SOIL	
Analytical Method:	SW8260		% Moisture:	13	
Sample Wt/Vol:	8.21	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001495.D	1		02/04/20 18:28	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.5
Sample Wt/Vol:	7.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065097.D	1		02/06/20 20:13	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00076	U	0.00076	0.0042	mg/Kg
74-87-3	Chloromethane	0.0015	U	0.0015	0.0042	mg/Kg
75-01-4	Vinyl Chloride	0.00093	U	0.00093	0.0042	mg/Kg
74-83-9	Bromomethane	0.00032	U	0.00032	0.0042	mg/Kg
75-00-3	Chloroethane	0.00048	U	0.00048	0.0042	mg/Kg
75-69-4	Trichlorofluoromethane	0.00054	U	0.00054	0.0042	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00067	U	0.00067	0.0042	mg/Kg
75-35-4	1,1-Dichloroethene	0.00083	U	0.00083	0.0042	mg/Kg
67-64-1	Acetone	0.0064	U	0.0064	0.021	mg/Kg
75-15-0	Carbon Disulfide	0.00090	U	0.00090	0.0042	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0012	U	0.0012	0.0042	mg/Kg
79-20-9	Methyl Acetate	0.0024	U	0.0024	0.0042	mg/Kg
75-09-2	Methylene Chloride	0.0044	U	0.0044	0.0084	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0011	U	0.0011	0.0042	mg/Kg
75-34-3	1,1-Dichloroethane	0.00076	U	0.00076	0.0042	mg/Kg
110-82-7	Cyclohexane	0.0015	U	0.0015	0.0042	mg/Kg
78-93-3	2-Butanone	0.0056	U	0.0056	0.021	mg/Kg
56-23-5	Carbon Tetrachloride	0.00069	U	0.00069	0.0042	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00083	U	0.00083	0.0042	mg/Kg
74-97-5	Bromochloromethane	0.0010	U	0.0010	0.0042	mg/Kg
67-66-3	Chloroform	0.00072	U	0.00072	0.0042	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00089	U	0.00089	0.0042	mg/Kg
108-87-2	Methylcyclohexane	0.00099	U	0.00099	0.0042	mg/Kg
71-43-2	Benzene	0.00070	U	0.00070	0.0042	mg/Kg
107-06-2	1,2-Dichloroethane	0.0010	U	0.0010	0.0042	mg/Kg
79-01-6	Trichloroethene	0.00078	U	0.00078	0.0042	mg/Kg
78-87-5	1,2-Dichloropropane	0.0010	U	0.0010	0.0042	mg/Kg
75-27-4	Bromodichloromethane	0.00083	U	0.00083	0.0042	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0047	U	0.0047	0.021	mg/Kg
108-88-3	Toluene	0.00082	U	0.00082	0.0042	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00084	U	0.00084	0.0042	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00090	U	0.00090	0.0042	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.5
Sample Wt/Vol:	7.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065097.D	1		02/06/20 20:13	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.0012	U	0.0012	0.0042	mg/Kg
591-78-6	2-Hexanone	0.0062	U	0.0062	0.021	mg/Kg
124-48-1	Dibromochloromethane	0.0011	U	0.0011	0.0042	mg/Kg
106-93-4	1,2-Dibromoethane	0.0011	U	0.0011	0.0042	mg/Kg
127-18-4	Tetrachloroethene	0.00058	U	0.00058	0.0042	mg/Kg
108-90-7	Chlorobenzene	0.00066	U	0.00066	0.0042	mg/Kg
100-41-4	Ethyl Benzene	0.00072	U	0.00072	0.0042	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.0084	mg/Kg
95-47-6	o-Xylene	0.00092	U	0.00092	0.0042	mg/Kg
100-42-5	Styrene	0.00083	U	0.00083	0.0042	mg/Kg
75-25-2	Bromoform	0.0027	U	0.0027	0.0042	mg/Kg
98-82-8	Isopropylbenzene	0.00073	U	0.00073	0.0042	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.0042	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00089	U	0.00089	0.0042	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00088	U	0.00088	0.0042	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0011	U	0.0011	0.0042	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0028	U	0.0028	0.0042	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.0042	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.0042	mg/Kg
123-91-1	1,4-Dioxane	0.042	U	0.042	0.084	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		56 - 120	111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		57 - 135	109%	SPK: 50
2037-26-5	Toluene-d8	55.3		67 - 123	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.5		33 - 141	123%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	491000	7.98			
540-36-3	1,4-Difluorobenzene	800000	8.87			
3114-55-4	Chlorobenzene-d5	806000	11.65			
3855-82-1	1,4-Dichlorobenzene-d4	394000	13.58			

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.5
Sample Wt/Vol:	7.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065097.D	1		02/06/20 20:13	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5-WS	SDG No.:	L1390
Lab Sample ID:	L1390-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014832.D	1		02/05/20 19:00	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.30	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	0.16	U	0.16	1.00	ug/L
74-83-9	Bromomethane	2.10	U	2.10	5.00	ug/L
75-00-3	Chloroethane	0.34	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.16	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.18	U	0.18	1.00	ug/L
67-64-1	Acetone	0.90	U	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	0.23	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.070	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	0.65	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	0.33	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	1.20	U	1.20	5.00	ug/L
78-93-3	2-Butanone	0.71	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.22	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.30	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	0.31	U	0.31	1.00	ug/L
67-66-3	Chloroform	0.14	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	0.17	U	0.17	1.00	ug/L
71-43-2	Benzene	0.10	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	0.27	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.14	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	0.10	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.85	U	0.85	5.00	ug/L
108-88-3	Toluene	0.12	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.19	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5-WS	SDG No.:	L1390
Lab Sample ID:	L1390-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014832.D	1		02/05/20 19:00	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.12	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	1.40	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	0.16	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.14	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	0.15	U	0.15	1.00	ug/L
108-90-7	Chlorobenzene	0.080	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	0.080	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	0.20	U	0.20	2.00	ug/L
95-47-6	o-Xylene	0.13	U	0.13	1.00	ug/L
100-42-5	Styrene	0.11	U	0.11	1.00	ug/L
75-25-2	Bromoform	0.15	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.14	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.12	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.54	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.26	U	0.26	1.00	ug/L
123-91-1	1,4-Dioxane	13.8	U	13.8	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	49.0		65 - 126	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		58 - 135	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	435000	5.65			
540-36-3	1,4-Difluorobenzene	676000	6.85			
3114-55-4	Chlorobenzene-d5	626000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	290000	12.07			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-5-WS		SDG No.:	L1390	
Lab Sample ID:	L1390-08		Matrix:	Water	
Analytical Method:	SW8260		% Moisture:	100	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014832.D	1		02/05/20 19:00	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260C

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
L1390-01	SB-1	1,2-Dichloroethane-d4	50	46.3	93	56	120
		Dibromofluoromethane	50	45.3	91	57	135
		Toluene-d8	50	50.0	100	67	123
		4-Bromofluorobenzene	50	54.4	109	33	141
L1390-01DL	SB-1DL	1,2-Dichloroethane-d4	50	47.2	94	56	120
		Dibromofluoromethane	50	46.0	92	57	135
		Toluene-d8	50	49.4	99	67	123
		4-Bromofluorobenzene	50	50.1	100	33	141
L1390-02	SB-2	1,2-Dichloroethane-d4	50	59.7	119	56	120
		Dibromofluoromethane	50	53.7	107	57	135
		Toluene-d8	50	54.7	109	67	123
		4-Bromofluorobenzene	50	54.8	110	33	141
L1390-03	SB-3	1,2-Dichloroethane-d4	50	58.4	117	56	120
		Dibromofluoromethane	50	53.1	106	57	135
		Toluene-d8	50	54.0	108	67	123
		4-Bromofluorobenzene	50	54.7	109	33	141
L1390-04	SB-4	1,2-Dichloroethane-d4	50	58.0	116	56	120
		Dibromofluoromethane	50	51.2	102	57	135
		Toluene-d8	50	53.8	108	67	123
		4-Bromofluorobenzene	50	52.2	104	33	141
L1390-05	SB-5	1,2-Dichloroethane-d4	50	55.5	111	56	120
		Dibromofluoromethane	50	54.6	109	57	135
		Toluene-d8	50	55.3	111	67	123
		4-Bromofluorobenzene	50	61.5	123	33	141
VD0206SBL01	VD0206SBL01	1,2-Dichloroethane-d4	50	59.6	119	56	120
		Dibromofluoromethane	50	56.2	112	57	135
		Toluene-d8	50	55.1	110	67	123
		4-Bromofluorobenzene	50	62.6	125	33	141
VD0206SBS01	VD0206SBS01	1,2-Dichloroethane-d4	50	53.8	108	56	120
		Dibromofluoromethane	50	53.7	107	57	135
		Toluene-d8	50	53.8	108	67	123
		4-Bromofluorobenzene	50	51.4	103	33	141
VX0206MBL01	VX0206MBL01	1,2-Dichloroethane-d4	50	49.4	99	56	120
		Dibromofluoromethane	50	48.5	97	57	135
		Toluene-d8	50	49.1	98	67	123
		4-Bromofluorobenzene	50	46.3	93	33	141
VX0206MBS01	VX0206MBS01	1,2-Dichloroethane-d4	50	49.2	98	56	120
		Dibromofluoromethane	50	49.9	100	57	135
		Toluene-d8	50	48.6	97	67	123
		4-Bromofluorobenzene	50	49.3	99	33	141
VY0204SBL01	VY0204SBL01	1,2-Dichloroethane-d4	50	59.0	118	56	120
		Dibromofluoromethane	50	52.4	105	57	135
		Toluene-d8	50	53.0	106	67	123
		4-Bromofluorobenzene	50	52.3	105	33	141
VY0204SBS01	VY0204SBS01	1,2-Dichloroethane-d4	50	52.0	104	56	120
		Dibromofluoromethane	50	49.6	99	57	135
		Toluene-d8	50	52.2	104	67	123
		4-Bromofluorobenzene	50	49.1	98	33	141
VY0204SBSD01	VY0204SBSD01	1,2-Dichloroethane-d4	50	52.0	104	56	120
		Dibromofluoromethane	50	50.5	101	57	135
		Toluene-d8	50	52.8	106	67	123
		4-Bromofluorobenzene	50	49.8	100	33	141

Surrogate Summary

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
L1390-08	SB-5-WS	1,2-Dichloroethane-d4	50	49.6	99	61	141
		Dibromofluoromethane	50	49.0	98	69	133
		Toluene-d8	50	49.0	98	65	126
		4-Bromofluorobenzene	50	47.6	95	58	135
VX0205WBL02	VX0205WBL02	1,2-Dichloroethane-d4	50	50.9	102	61	141
		Dibromofluoromethane	50	49.1	98	69	133
		Toluene-d8	50	49.4	99	65	126
		4-Bromofluorobenzene	50	46.5	93	58	135
VX0205WBS02	VX0205WBS02	1,2-Dichloroethane-d4	50	49.8	100	61	141
		Dibromofluoromethane	50	49.7	99	69	133
		Toluene-d8	50	48.5	97	65	126
		4-Bromofluorobenzene	50	48.2	96	58	135
VX0205WBSD0	VX0205WBSD02	1,2-Dichloroethane-d4	50	48.1	96	61	141
		Dibromofluoromethane	50	48.5	97	69	133
		Toluene-d8	50	47.6	95	65	126
		4-Bromofluorobenzene	50	47.2	94	58	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260C

Datafile : VD065080.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VD0206SBS01	Dichlorodifluoromethane	20	20.4	ug/Kg	102			50	142	
	Chloromethane	20	21.9	ug/Kg	110			65	131	
	Vinyl chloride	20	21.7	ug/Kg	109			67	130	
	Bromomethane	20	22.1	ug/Kg	111			64	136	
	Chloroethane	20	22.1	ug/Kg	111			66	146	
	Trichlorofluoromethane	20	22.4	ug/Kg	112			72	134	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			73	133	
	1,1-Dichloroethene	20	19.6	ug/Kg	98			74	130	
	Acetone	100	83.5	ug/Kg	84			57	135	
	Carbon disulfide	20	20.6	ug/Kg	103			71	130	
	Methyl tert-butyl Ether	20	18.1	ug/Kg	91			76	123	
	Methyl Acetate	20	19.1	ug/Kg	96			62	146	
	Methylene Chloride	20	20.4	ug/Kg	102			73	134	
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99			76	125	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			78	124	
	Cyclohexane	20	19.6	ug/Kg	98			72	130	
	2-Butanone	100	85.9	ug/Kg	86			68	132	
	Carbon Tetrachloride	20	20.9	ug/Kg	104			76	127	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			78	122	
	Bromochloromethane	20	19.3	ug/Kg	97			66	133	
	Chloroform	20	20.6	ug/Kg	103			79	122	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			76	126	
	Methylcyclohexane	20	19.2	ug/Kg	96			75	127	
	Benzene	20	20.4	ug/Kg	102			79	124	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			78	124	
	Trichloroethene	20	19.9	ug/Kg	100			78	124	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			76	124	
	Bromodichloromethane	20	20.5	ug/Kg	103			78	122	
	4-Methyl-2-Pentanone	100	89.1	ug/Kg	89			73	135	
	Toluene	20	20.4	ug/Kg	102			78	124	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			77	123	
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99			79	120	
	1,1,2-Trichloroethane	20	19.5	ug/Kg	98			78	123	
	2-Hexanone	100	85.3	ug/Kg	85			71	134	
	Dibromochloromethane	20	20.3	ug/Kg	102			77	121	
	1,2-Dibromoethane	20	19.1	ug/Kg	96			78	123	
	Tetrachloroethene	20	19.7	ug/Kg	99			67	134	
	Chlorobenzene	20	20.2	ug/Kg	101			80	121	
	Ethyl Benzene	20	19.9	ug/Kg	100			80	123	
	m/p-Xylenes	40	40.0	ug/Kg	100			79	126	
	o-Xylene	20	19.0	ug/Kg	95			80	122	
	Styrene	20	19.7	ug/Kg	99			81	121	
	Bromoform	20	18.9	ug/Kg	95			73	124	
	Isopropylbenzene	20	19.6	ug/Kg	98			79	123	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97			79	124	
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100			82	120	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			81	120	
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97			82	118	
	1,2-Dibromo-3-Chloropropane	20	18.0	ug/Kg	90			72	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390
Client: ATC Group Services LLC
Analytical Method: SW8260C

Datafile : VD065080.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VD0206SBS01	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			75	125	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			79	123	
	1,4-Dioxane	400	370	ug/Kg	93			50	150	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260-Low

Datafile : VX014828.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0205WBS02	Dichlorodifluoromethane	20	16.7	ug/L	84			46	139	
	Chloromethane	20	16.8	ug/L	84			58	139	
	Vinyl chloride	20	18.0	ug/L	90			65	137	
	Bromomethane	20	16.1	ug/L	81			50	162	
	Chloroethane	20	16.8	ug/L	84			54	160	
	Trichlorofluoromethane	20	18.6	ug/L	93			67	143	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			71	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			69	134	
	Acetone	100	83.3	ug/L	83			41	181	
	Carbon disulfide	20	15.3	ug/L	77			63	138	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			72	136	
	Methyl Acetate	20	18.6	ug/L	93			51	158	
	Methylene Chloride	20	18.4	ug/L	92			67	138	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			72	132	
	1,1-Dichloroethane	20	18.5	ug/L	93			74	135	
	Cyclohexane	20	17.3	ug/L	86			67	132	
	2-Butanone	100	84.8	ug/L	85			64	146	
	Carbon Tetrachloride	20	19.0	ug/L	95			71	134	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			74	130	
	Bromochloromethane	20	19.0	ug/L	95			71	136	
	Chloroform	20	18.9	ug/L	95			74	134	
	1,1,1-Trichloroethane	20	18.5	ug/L	93			74	133	
	Methylcyclohexane	20	17.2	ug/L	86			71	125	
	Benzene	20	18.3	ug/L	92			75	125	
	1,2-Dichloroethane	20	19.6	ug/L	98			76	130	
	Trichloroethene	20	17.7	ug/L	89			73	127	
	1,2-Dichloropropane	20	18.5	ug/L	93			76	125	
	Bromodichloromethane	20	18.7	ug/L	94			78	127	
	4-Methyl-2-Pentanone	100	91.1	ug/L	91			71	140	
	Toluene	20	18.7	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			74	131	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			74	128	
	1,1,2-Trichloroethane	20	19.6	ug/L	98			75	129	
	2-Hexanone	100	88.4	ug/L	88			62	153	
	Dibromochloromethane	20	19.1	ug/L	96			74	131	
	1,2-Dibromoethane	20	18.7	ug/L	94			74	129	
	Tetrachloroethene	20	17.8	ug/L	89			46	157	
	Chlorobenzene	20	18.7	ug/L	94			76	123	
	Ethyl Benzene	20	19.3	ug/L	97			75	126	
	m/p-Xylenes	40	38.6	ug/L	97			74	126	
	o-Xylene	20	19.4	ug/L	97			73	127	
	Styrene	20	19.8	ug/L	99			75	126	
	Bromoform	20	18.9	ug/L	95			66	130	
	Isopropylbenzene	20	19.9	ug/L	100			70	127	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93			66	131	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			70	125	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			71	124	
	1,2-Dichlorobenzene	20	19.5	ug/L	98			71	126	
	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390
Client: ATC Group Services LLC
Analytical Method: SW8260-Low

Datafile : VX014828.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0205WBS02	1,2,4-Trichlorobenzene	20	20.3	ug/L	102			62	129	
	1,2,3-Trichlorobenzene	20	20.4	ug/L	102			58	130	
	1,4-Dioxane	400	340	ug/L	85			50	150	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260-Low

Datafile : VX014829.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0205WBSD02	Dichlorodifluoromethane	20	17.4	ug/L	87	4		46	139	20
	Chloromethane	20	17.2	ug/L	86	2		58	139	20
	Vinyl chloride	20	18.2	ug/L	91	1		65	137	20
	Bromomethane	20	16.3	ug/L	81	0		50	162	20
	Chloroethane	20	18.3	ug/L	92	9		54	160	20
	Trichlorofluoromethane	20	18.7	ug/L	94	1		67	143	20
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92	1		71	136	20
	1,1-Dichloroethene	20	18.1	ug/L	91	1		69	134	20
	Acetone	100	92.9	ug/L	93	11		41	181	20
	Carbon disulfide	20	15.9	ug/L	79	3		63	138	20
	Methyl tert-butyl Ether	20	19.9	ug/L	100	4		72	136	20
	Methyl Acetate	20	19.5	ug/L	98	5		51	158	20
	Methylene Chloride	20	18.2	ug/L	91	1		67	138	20
	trans-1,2-Dichloroethene	20	18.2	ug/L	91	3		72	132	20
	1,1-Dichloroethane	20	19.1	ug/L	96	3		74	135	20
	Cyclohexane	20	17.5	ug/L	88	2		67	132	20
	2-Butanone	100	89.4	ug/L	89	5		64	146	20
	Carbon Tetrachloride	20	19.5	ug/L	98	3		71	134	20
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	3		74	130	20
	Bromochloromethane	20	16.4	ug/L	82	15		71	136	20
	Chloroform	20	19.3	ug/L	97	2		74	134	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	4		74	133	20
	Methylcyclohexane	20	17.9	ug/L	90	5		71	125	20
	Benzene	20	19.0	ug/L	95	3		75	125	20
	1,2-Dichloroethane	20	20.4	ug/L	102	4		76	130	20
	Trichloroethene	20	18.8	ug/L	94	5		73	127	20
	1,2-Dichloropropane	20	19.4	ug/L	97	4		76	125	20
	Bromodichloromethane	20	19.9	ug/L	100	6		78	127	20
	4-Methyl-2-Pentanone	100	94.5	ug/L	95	4		71	140	20
	Toluene	20	19.5	ug/L	98	4		74	125	20
	t-1,3-Dichloropropene	20	19.9	ug/L	100	6		74	131	20
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	6		74	128	20
	1,1,2-Trichloroethane	20	20.1	ug/L	101	3		75	129	20
	2-Hexanone	100	92.1	ug/L	92	4		62	153	20
	Dibromochloromethane	20	19.9	ug/L	100	4		74	131	20
	1,2-Dibromoethane	20	19.7	ug/L	99	5		74	129	20
	Tetrachloroethene	20	19.3	ug/L	97	9		46	157	20
	Chlorobenzene	20	19.5	ug/L	98	4		76	123	20
	Ethyl Benzene	20	19.5	ug/L	98	1		75	126	20
	m/p-Xylenes	40	39.1	ug/L	98	1		74	126	20
	o-Xylene	20	19.7	ug/L	99	2		73	127	20
	Styrene	20	20.2	ug/L	101	2		75	126	20
	Bromoform	20	19.7	ug/L	99	4		66	130	20
	Isopropylbenzene	20	20.0	ug/L	100	0		70	127	20
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93	0		66	131	20
	1,3-Dichlorobenzene	20	19.5	ug/L	98	2		70	125	20
	1,4-Dichlorobenzene	20	19.3	ug/L	97	0		71	124	20
	1,2-Dichlorobenzene	20	19.6	ug/L	98	0		71	126	20
	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92	4		62	134	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390
Client: ATC Group Services LLC
Analytical Method: SW8260-Low

Datafile : VX014829.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0205WBSD02	1,2,4-Trichlorobenzene	20	19.8	ug/L	99	3		62	129	20
	1,2,3-Trichlorobenzene	20	20.7	ug/L	104	2		58	130	20
	1,4-Dioxane	400	360	ug/L	90	6		50	150	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260C

Datafile : VX014841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0206MBS01	Dichlorodifluoromethane	2000	1700	ug/Kg	85			50	142	
	Chloromethane	2000	1600	ug/Kg	80			65	131	
	Vinyl chloride	2000	1800	ug/Kg	90			67	130	
	Bromomethane	2000	1700	ug/Kg	85			64	136	
	Chloroethane	2000	1700	ug/Kg	85			66	146	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			72	134	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			73	133	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			74	130	
	Acetone	10000	9700	ug/Kg	97			57	135	
	Carbon disulfide	2000	1600	ug/Kg	80			71	130	
	Methyl tert-butyl Ether	2000	2000	ug/Kg	100			76	123	
	Methyl Acetate	2000	2000	ug/Kg	100			62	146	
	Methylene Chloride	2000	1800	ug/Kg	90			73	134	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			76	125	
	1,1-Dichloroethane	2000	1900	ug/Kg	95			78	124	
	Cyclohexane	2000	1800	ug/Kg	90			72	130	
	2-Butanone	10000	9400	ug/Kg	94			68	132	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			76	127	
	cis-1,2-Dichloroethene	2000	1900	ug/Kg	95			78	122	
	Bromochloromethane	2000	1700	ug/Kg	85			66	133	
	Chloroform	2000	1900	ug/Kg	95			79	122	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			76	126	
	Methylcyclohexane	2000	1900	ug/Kg	95			75	127	
	Benzene	2000	2000	ug/Kg	100			79	124	
	1,2-Dichloroethane	2000	2100	ug/Kg	105			78	124	
	Trichloroethene	2000	2000	ug/Kg	100			78	124	
	1,2-Dichloropropane	2000	2000	ug/Kg	100			76	124	
	Bromodichloromethane	2000	2000	ug/Kg	100			78	122	
	4-Methyl-2-Pentanone	10000	10000	ug/Kg	100			73	135	
	Toluene	2000	2000	ug/Kg	100			78	124	
	t-1,3-Dichloropropene	2000	2100	ug/Kg	105			77	123	
	cis-1,3-Dichloropropene	2000	2100	ug/Kg	105			79	120	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			78	123	
	2-Hexanone	10000	9900	ug/Kg	99			71	134	
	Dibromochloromethane	2000	2100	ug/Kg	105			77	121	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			78	123	
	Tetrachloroethene	2000	1800	ug/Kg	90			67	134	
	Chlorobenzene	2000	2000	ug/Kg	100			80	121	
	Ethyl Benzene	2000	2000	ug/Kg	100			80	123	
	m/p-Xylenes	4000	4000	ug/Kg	100			79	126	
	o-Xylene	2000	2000	ug/Kg	100			80	122	
	Styrene	2000	2000	ug/Kg	100			81	121	
	Bromoform	2000	2100	ug/Kg	105			73	124	
	Isopropylbenzene	2000	2000	ug/Kg	100			79	123	
	1,1,2,2-Tetrachloroethane	2000	1900	ug/Kg	95			79	124	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			82	120	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			81	120	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			82	118	
	1,2-Dibromo-3-Chloropropane	2000	1900	ug/Kg	95			72	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390
Client: ATC Group Services LLC
Analytical Method: SW8260C

Datafile : VX014841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0206MBS01	1,2,4-Trichlorobenzene	2000	2100	ug/Kg	105			75	125	
	1,2,3-Trichlorobenzene	2000	2100	ug/Kg	105			79	123	
	1,4-Dioxane	40000	41700	ug/Kg	104			50	150	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260C

Datafile : VY001489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VY0204SBS01	Dichlorodifluoromethane	20	20.8	ug/Kg	104			50	142	
	Chloromethane	20	20.8	ug/Kg	104			65	131	
	Vinyl chloride	20	20.6	ug/Kg	103			67	130	
	Bromomethane	20	20.9	ug/Kg	104			64	136	
	Chloroethane	20	20.3	ug/Kg	102			66	146	
	Trichlorofluoromethane	20	20.5	ug/Kg	103			72	134	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103			73	133	
	1,1-Dichloroethene	20	20.3	ug/Kg	102			74	130	
	Acetone	100	100	ug/Kg	100			57	135	
	Carbon disulfide	20	20.6	ug/Kg	103			71	130	
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106			76	123	
	Methyl Acetate	20	22.5	ug/Kg	113			62	146	
	Methylene Chloride	20	20.1	ug/Kg	101			73	134	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			76	125	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			78	124	
	Cyclohexane	20	20.2	ug/Kg	101			72	130	
	2-Butanone	100	110	ug/Kg	110			68	132	
	Carbon Tetrachloride	20	21.0	ug/Kg	105			76	127	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			78	122	
	Bromochloromethane	20	19.3	ug/Kg	97			66	133	
	Chloroform	20	20.6	ug/Kg	103			79	122	
	1,1,1-Trichloroethane	20	20.9	ug/Kg	104			76	126	
	Methylcyclohexane	20	20.8	ug/Kg	104			75	127	
	Benzene	20	20.9	ug/Kg	104			79	124	
	1,2-Dichloroethane	20	21.4	ug/Kg	107			78	124	
	Trichloroethene	20	20.9	ug/Kg	104			78	124	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			76	124	
	Bromodichloromethane	20	21.1	ug/Kg	106			78	122	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			73	135	
	Toluene	20	20.9	ug/Kg	104			78	124	
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106			77	123	
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106			79	120	
	1,1,2-Trichloroethane	20	21.9	ug/Kg	110			78	123	
	2-Hexanone	100	110	ug/Kg	110			71	134	
	Dibromochloromethane	20	21.1	ug/Kg	106			77	121	
	1,2-Dibromoethane	20	21.8	ug/Kg	109			78	123	
	Tetrachloroethene	20	20.6	ug/Kg	103			67	134	
	Chlorobenzene	20	21.2	ug/Kg	106			80	121	
	Ethyl Benzene	20	20.9	ug/Kg	104			80	123	
	m/p-Xylenes	40	42.6	ug/Kg	106			79	126	
	o-Xylene	20	21.2	ug/Kg	106			80	122	
	Styrene	20	21.1	ug/Kg	106			81	121	
	Bromoform	20	21.8	ug/Kg	109			73	124	
	Isopropylbenzene	20	20.5	ug/Kg	103			79	123	
	1,1,2,2-Tetrachloroethane	20	22.0	ug/Kg	110			79	124	
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105			82	120	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			81	120	
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106			82	118	
	1,2-Dibromo-3-Chloropropane	20	21.7	ug/Kg	109			72	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390
Client: ATC Group Services LLC
Analytical Method: SW8260C

Datafile : VY001489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VY0204SBS01	1,2,4-Trichlorobenzene	20	21.3	ug/Kg	106			75	125	
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107			79	123	
	1,4-Dioxane	400	430	ug/Kg	108			50	150	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8260C

Datafile : VY001490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VY0204SBSD01	Dichlorodifluoromethane	20	19.4	ug/Kg	97	7		50	142	20
	Chloromethane	20	19.6	ug/Kg	98	6		65	131	20
	Vinyl chloride	20	19.5	ug/Kg	98	5		67	130	20
	Bromomethane	20	19.5	ug/Kg	98	6		64	136	20
	Chloroethane	20	19.5	ug/Kg	98	4		66	146	20
	Trichlorofluoromethane	20	19.4	ug/Kg	97	6		72	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	4		73	133	20
	1,1-Dichloroethene	20	19.4	ug/Kg	97	5		74	130	20
	Acetone	100	100	ug/Kg	100	0		57	135	20
	Carbon disulfide	20	19.5	ug/Kg	98	5		71	130	20
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103	3		76	123	20
	Methyl Acetate	20	22.5	ug/Kg	113	0		62	146	20
	Methylene Chloride	20	19.3	ug/Kg	97	4		73	134	20
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99	5		76	125	20
	1,1-Dichloroethane	20	19.7	ug/Kg	99	5		78	124	20
	Cyclohexane	20	19.4	ug/Kg	97	4		72	130	20
	2-Butanone	100	110	ug/Kg	110	0		68	132	20
	Carbon Tetrachloride	20	20.3	ug/Kg	102	3		76	127	20
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		78	122	20
	Bromochloromethane	20	18.9	ug/Kg	95	2		66	133	20
	Chloroform	20	19.8	ug/Kg	99	4		79	122	20
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99	5		76	126	20
	Methylcyclohexane	20	20.2	ug/Kg	101	3		75	127	20
	Benzene	20	20.0	ug/Kg	100	4		79	124	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	3		78	124	20
	Trichloroethene	20	20.4	ug/Kg	102	2		78	124	20
	1,2-Dichloropropane	20	20.5	ug/Kg	103	1		76	124	20
	Bromodichloromethane	20	20.3	ug/Kg	102	4		78	122	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		73	135	20
	Toluene	20	20.4	ug/Kg	102	2		78	124	20
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103	3		77	123	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	3		79	120	20
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	4		78	123	20
	2-Hexanone	100	110	ug/Kg	110	0		71	134	20
	Dibromochloromethane	20	20.8	ug/Kg	104	2		77	121	20
	1,2-Dibromoethane	20	21.2	ug/Kg	106	3		78	123	20
	Tetrachloroethene	20	20.5	ug/Kg	103	0		67	134	20
	Chlorobenzene	20	20.3	ug/Kg	102	4		80	121	20
	Ethyl Benzene	20	20.3	ug/Kg	102	2		80	123	20
	m/p-Xylenes	40	40.9	ug/Kg	102	4		79	126	20
	o-Xylene	20	20.3	ug/Kg	102	4		80	122	20
	Styrene	20	20.3	ug/Kg	102	4		81	121	20
	Bromoform	20	21.1	ug/Kg	106	3		73	124	20
	Isopropylbenzene	20	19.7	ug/Kg	99	4		79	123	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	1		79	124	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	2		82	120	20
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102	4		81	120	20
	1,2-Dichlorobenzene	20	20.7	ug/Kg	104	2		82	118	20
	1,2-Dibromo-3-Chloropropane	20	21.7	ug/Kg	109	0		72	127	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: L1390
Client: ATC Group Services LLC
Analytical Method: SW8260C

Datafile : VY001490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VY0204SBSD01	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	3		75	125	20
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	3		79	123	20
	1,4-Dioxane	400	430	ug/Kg	108	0		50	150	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0206SBL01

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab File ID: VD065079.D

Lab Sample ID: VD0206SBL01

Date Analyzed: 02/06/2020

Time Analyzed: 11:28

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0206SBS01	VD0206SBS01	VD065080.D	02/06/2020
SB-5	L1390-05	VD065097.D	02/06/2020

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0206MBL01

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab File ID: VX014838.D

Lab Sample ID: VX0206MBL01

Date Analyzed: 02/06/2020

Time Analyzed: 11:01

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0206MBS01	VX0206MBS01	VX014841.D	02/06/2020
SB-1DL	L1390-01DL	VX014849.D	02/06/2020
SB-1	L1390-01	VX014858.D	02/06/2020

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0204SBL01

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab File ID: VY001488.D

Lab Sample ID: VY0204SBL01

Date Analyzed: 02/04/2020

Time Analyzed: 15:54

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0204SBS01	VY0204SBS01	VY001489.D	02/04/2020
VY0204SBSD01	VY0204SBSD01	VY001490.D	02/04/2020
SB-2	L1390-02	VY001493.D	02/04/2020
SB-3	L1390-03	VY001494.D	02/04/2020
SB-4	L1390-04	VY001495.D	02/04/2020

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0205WBL02

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab File ID: VX014814.D

Lab Sample ID: VX0205WBL02

Date Analyzed: 02/05/2020

Time Analyzed: 11:40

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0205WBS02	VX0205WBS02	VX014828.D	02/05/2020
VX0205WBSD02	VX0205WBSD02	VX014829.D	02/05/2020
SB-5-WS	L1390-08	VX014832.D	02/05/2020

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>ATCE02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>L1390</u>
Lab File ID:	<u>VD065058.D</u>	SAS No.:	<u>L1390</u>
Instrument ID:	<u>MSVOA_D</u>	SDG NO.:	<u>L1390</u>
GC Column:	<u>RTX-VMS</u>	BFB Injection Date:	<u>02/05/2020</u>
ID:	<u>0.18</u> (mm)	BFB Injection Time:	<u>09:39</u>
		Heated Purge:	<u>Y/N</u>
			<u>Y</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	89.7
175	5.0 - 9.0% of mass 174	7 (7.8) 1
176	95.0 - 101.0% of mass 174	89.5 (99.7) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VD065060.D	02/05/2020	12:03
VSTDIC010	VSTDIC010	VD065061.D	02/05/2020	12:31
VSTDIC020	VSTDIC020	VD065062.D	02/05/2020	12:59
VSTDIC050	VSTDIC050	VD065063.D	02/05/2020	14:36
VSTDIC100	VSTDIC100	VD065064.D	02/05/2020	15:03
VSTDIC150	VSTDIC150	VD065065.D	02/05/2020	15:31

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>ATCE02</u>
Lab Code: <u>CHEM</u> Case No.: <u>L1390</u>	SAS No.: <u>L1390</u> SDG NO.: <u>L1390</u>
Lab File ID: <u>VD065077.D</u>	BFB Injection Date: <u>02/06/2020</u>
Instrument ID: <u>MSVOA_D</u>	BFB Injection Time: <u>10:19</u>
GC Column: <u>RTX-VMS</u> ID: <u>0.18</u> (mm)	Heated Purge: Y/N <u>Y</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.3 (1.5) 1
174	50.0 - 100.0% of mass 95	92.1
175	5.0 - 9.0% of mass 174	6.9 (7.5) 1
176	95.0 - 101.0% of mass 174	89.9 (97.7) 1
177	5.0 - 9.0% of mass 176	6.1 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VD065078.D	02/06/2020	10:53
VD0206SBL01	VD0206SBL01	VD065079.D	02/06/2020	11:28
VD0206SBS01	VD0206SBS01	VD065080.D	02/06/2020	12:05
SB-5	L1390-05	VD065097.D	02/06/2020	20:13

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>ATCE02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>L1390</u>
Lab File ID:	<u>VX014679.D</u>	SAS No.:	<u>L1390</u>
Instrument ID:	<u>MSVOA_X</u>	SDG NO.:	<u>L1390</u>
GC Column:	<u>DB-624UI</u>	BFB Injection Date:	<u>01/22/2020</u>
ID:	<u>0.18</u>	BFB Injection Time:	<u>09:48</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.3 (1.6) 1
174	50.0 - 100.0% of mass 95	84.9
175	5.0 - 9.0% of mass 174	6.8 (8) 1
176	95.0 - 101.0% of mass 174	81.3 (95.8) 1
177	5.0 - 9.0% of mass 176	5.8 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX014680.D	01/22/2020	10:18
VSTDIC005	VSTDIC005	VX014681.D	01/22/2020	10:41
VSTDIC020	VSTDIC020	VX014682.D	01/22/2020	11:04
VSTDIC050	VSTDIC050	VX014683.D	01/22/2020	11:27
VSTDIC100	VSTDIC100	VX014684.D	01/22/2020	11:50
VSTDIC150	VSTDIC150	VX014685.D	01/22/2020	12:13

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>ATCE02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>L1390</u>
Lab File ID:	<u>VX014810.D</u>	SAS No.:	<u>L1390</u>
Instrument ID:	<u>MSVOA_X</u>	SDG NO.:	<u>L1390</u>
GC Column:	<u>DB-624UI</u>	BFB Injection Date:	<u>02/05/2020</u>
ID:	<u>0.18</u> (mm)	BFB Injection Time:	<u>09:15</u>
		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	89.3
175	5.0 - 9.0% of mass 174	6.7 (7.5) 1
176	95.0 - 101.0% of mass 174	85.4 (95.6) 1
177	5.0 - 9.0% of mass 176	5.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX014811.D	02/05/2020	09:46
VX0205WBL02	VX0205WBL02	VX014814.D	02/05/2020	11:40
VX0205WBS02	VX0205WBS02	VX014828.D	02/05/2020	17:27
VX0205WBSD02	VX0205WBSD02	VX014829.D	02/05/2020	17:50
SB-5-WS	L1390-08	VX014832.D	02/05/2020	19:00

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: <u>CHEMTECH</u>	Contract: <u>ATCE02</u>
Lab Code: <u>CHEM</u> Case No.: <u>L1390</u>	SAS No.: <u>L1390</u> SDG NO.: <u>L1390</u>
Lab File ID: <u>VX014836.D</u>	BFB Injection Date: <u>02/06/2020</u>
Instrument ID: <u>MSVOA_X</u>	BFB Injection Time: <u>09:18</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	Heated Purge: Y/N <u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.2 (7.5) 1
176	95.0 - 101.0% of mass 174	83.7 (100.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX014837.D	02/06/2020	10:25
VX0206MBL01	VX0206MBL01	VX014838.D	02/06/2020	11:01
VX0206MBS01	VX0206MBS01	VX014841.D	02/06/2020	12:31
SB-1DL	L1390-01DL	VX014849.D	02/06/2020	15:47
SB-1	L1390-01	VX014858.D	02/06/2020	19:16

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	CHEMTECH		Contract:	ATCE02	
Lab Code:	CHEM	Case No.:	L1390	SAS No.:	L1390
Lab File ID:	VY001480.D		BFB Injection Date:	02/04/2020	
Instrument ID:	MSVOA_Y		BFB Injection Time:	12:01	
GC Column:	RXI-624	ID:	0.25	(mm)	
		Heated Purge:	Y/N	Y	

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.3 (96.8) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY001481.D	02/04/2020	12:55
VSTDIC010	VSTDIC010	VY001482.D	02/04/2020	13:16
VSTDIC020	VSTDIC020	VY001483.D	02/04/2020	13:38
VSTDIC050	VSTDIC050	VY001484.D	02/04/2020	13:59
VSTDIC100	VSTDIC100	VY001485.D	02/04/2020	14:21
VSTDIC150	VSTDIC150	VY001486.D	02/04/2020	14:42
VY0204SBL01	VY0204SBL01	VY001488.D	02/04/2020	15:54
VY0204SBS01	VY0204SBS01	VY001489.D	02/04/2020	16:15
VY0204SBSD01	VY0204SBSD01	VY001490.D	02/04/2020	16:37
SB-2	L1390-02	VY001493.D	02/04/2020	17:43
SB-3	L1390-03	VY001494.D	02/04/2020	18:06
SB-4	L1390-04	VY001495.D	02/04/2020	18:28

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VD065078.D Date Analyzed: 02/06/2020
 Instrument ID: MSVOA_D Time Analyzed: 10:53
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	467510	7.98	679196	8.87	604159	11.65
UPPER LIMIT	935020	8.48	1358390	9.37	1208320	12.15
LOWER LIMIT	233755	7.48	339598	8.37	302080	11.15
EPA SAMPLE NO.						
SB-5	491054	7.98	799945	8.87	806367	11.65
VD0206SBL01	519080	7.99	853130	8.87	862491	11.65
VD0206SBS01	472345	7.98	703728	8.87	626855	11.65

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VD065078.D Date Analyzed: 02/06/2020
 Instrument ID: MSVOA_D Time Analyzed: 10:53
 GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	294000	13.58				
UPPER LIMIT	588000	14.08				
LOWER LIMIT	147000	13.08				
EPA SAMPLE NO.						
SB-5	393929	13.58				
VD0206SBL01	421019	13.58				
VD0206SBS01	300836	13.58				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VX014811.D Date Analyzed: 02/05/2020
 Instrument ID: MSVOA_X Time Analyzed: 09:46
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	424657	5.65	615898	6.85	564258	10.10
UPPER LIMIT	849314	6.15	1231800	7.35	1128520	10.6
LOWER LIMIT	212329	5.15	307949	6.35	282129	9.6
EPA SAMPLE NO.						
SB-5-WS	435231	5.65	675852	6.85	626054	10.11
VX0205WBL02	407334	5.65	640608	6.85	592563	10.11
VX0205WBS02	397507	5.65	611156	6.85	543424	10.11
VX0205WBSD02	408191	5.65	616857	6.85	562226	10.10

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VX014811.D Date Analyzed: 02/05/2020
 Instrument ID: MSVOA_X Time Analyzed: 09:46
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	298438	12.07				
UPPER LIMIT	596876	12.57				
LOWER LIMIT	149219	11.57				
EPA SAMPLE NO.						
SB-5-WS	289763	12.07				
VX0205WBL02	267556	12.07				
VX0205WBS02	269770	12.07				
VX0205WBSD02	283033	12.07				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VX014837.D Date Analyzed: 02/06/2020
 Instrument ID: MSVOA_X Time Analyzed: 10:25
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	405813	5.65	598499	6.85	548652	10.10
UPPER LIMIT	811626	6.15	1197000	7.35	1097300	10.6
LOWER LIMIT	202907	5.15	299250	6.35	274326	9.6
EPA SAMPLE NO.						
SB-1	456117	5.65	691548	6.85	619717	10.11
SB-1DL	459179	5.65	698430	6.85	653203	10.11
VX0206MBL01	440997	5.65	682067	6.85	618417	10.10
VX0206MBS01	397626	5.65	587737	6.85	541631	10.10

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VX014837.D Date Analyzed: 02/06/2020
 Instrument ID: MSVOA_X Time Analyzed: 10:25
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	285589	12.07				
UPPER LIMIT	571178	12.57				
LOWER LIMIT	142795	11.57				
EPA SAMPLE NO.						
SB-1	343898	12.07				
SB-1DL	321701	12.07				
VX0206MBL01	282979	12.07				
VX0206MBS01	277801	12.07				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VY001484.D Date Analyzed: 02/04/2020
 Instrument ID: MSVOA_Y Time Analyzed: 13:59
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	237914	7.81	409936	8.71	358179	11.50
UPPER LIMIT	475828	8.31	819872	9.21	716358	12
LOWER LIMIT	118957	7.31	204968	8.21	179090	11
EPA SAMPLE NO.						
SB-2	183613	7.82	333819	8.71	309671	11.50
SB-3	190437	7.82	347663	8.71	321126	11.50
SB-4	124879	7.82	226281	8.71	201249	11.50
VY0204SBL01	186759	7.80	345002	8.70	311585	11.50
VY0204SBS01	243778	7.80	421003	8.70	375030	11.49
VY0204SBSD01	248447	7.81	424906	8.70	379199	11.49

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 Lab File ID: VY001484.D Date Analyzed: 02/04/2020
 Instrument ID: MSVOA_Y Time Analyzed: 13:59
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	164889	13.43				
UPPER LIMIT	329778	13.93				
LOWER LIMIT	82444.5	12.93				
EPA SAMPLE NO.						
SB-2	146855	13.43				
SB-3	154073	13.43				
SB-4	92620	13.43				
VY0204SBL01	144699	13.43				
VY0204SBS01	175334	13.43				
VY0204SBSD01	179186	13.43				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VD0206SBL01	SDG No.:	L1390
Lab Sample ID:	VD0206SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065079.D	1		02/06/20 11:28	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00091	U	0.00091	0.0050	mg/Kg
74-87-3	Chloromethane	0.0018	U	0.0018	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0011	U	0.0011	0.0050	mg/Kg
74-83-9	Bromomethane	0.00038	U	0.00038	0.0050	mg/Kg
75-00-3	Chloroethane	0.00058	U	0.00058	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.00065	U	0.00065	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00080	U	0.00080	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.00099	U	0.00099	0.0050	mg/Kg
67-64-1	Acetone	0.0077	U	0.0077	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0011	U	0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0014	U	0.0014	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0028	U	0.0028	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0052	U	0.0052	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0013	U	0.0013	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00091	U	0.00091	0.0050	mg/Kg
110-82-7	Cyclohexane	0.0018	U	0.0018	0.0050	mg/Kg
78-93-3	2-Butanone	0.0067	U	0.0067	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00082	U	0.00082	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00099	U	0.00099	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0012	U	0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.00086	U	0.00086	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0011	U	0.0011	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.0012	U	0.0012	0.0050	mg/Kg
71-43-2	Benzene	0.00084	U	0.00084	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0012	U	0.0012	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00093	U	0.00093	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0012	U	0.0012	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00099	U	0.00099	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0056	U	0.0056	0.025	mg/Kg
108-88-3	Toluene	0.00098	U	0.00098	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0010	U	0.0010	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0011	U	0.0011	0.0050	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VD0206SBL01	SDG No.:	L1390
Lab Sample ID:	VD0206SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065079.D	1		02/06/20 11:28	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.0014	U	0.0014	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0074	U	0.0074	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0013	U	0.0013	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0013	U	0.0013	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00070	U	0.00070	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00079	U	0.00079	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00085	U	0.00085	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0017	U	0.0017	0.010	mg/Kg
95-47-6	o-Xylene	0.0011	U	0.0011	0.0050	mg/Kg
100-42-5	Styrene	0.00099	U	0.00099	0.0050	mg/Kg
75-25-2	Bromoform	0.0033	U	0.0033	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00087	U	0.00087	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0011	U	0.0011	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0011	U	0.0011	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0013	U	0.0013	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0033	U	0.0033	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.0050	mg/Kg
123-91-1	1,4-Dioxane	0.050	U	0.050	0.10	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.6		56 - 120	119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		57 - 135	112%	SPK: 50
2037-26-5	Toluene-d8	55.1		67 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	62.6		33 - 141	125%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	519000	7.99			
540-36-3	1,4-Difluorobenzene	853000	8.87			
3114-55-4	Chlorobenzene-d5	862000	11.65			
3855-82-1	1,4-Dichlorobenzene-d4	421000	13.58			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VD0206SBL01		SDG No.:	L1390
Lab Sample ID:	VD0206SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065079.D	1		02/06/20 11:28	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBL02		SDG No.:	L1390
Lab Sample ID:	VX0205WBL02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014814.D	1		02/05/20 11:40	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.30	U	0.30	1.00	ug/L
75-01-4	Vinyl Chloride	0.16	U	0.16	1.00	ug/L
74-83-9	Bromomethane	2.10	U	2.10	5.00	ug/L
75-00-3	Chloroethane	0.34	U	0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.16	U	0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.18	U	0.18	1.00	ug/L
67-64-1	Acetone	0.90	U	0.90	5.00	ug/L
75-15-0	Carbon Disulfide	0.23	U	0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.070	U	0.070	1.00	ug/L
79-20-9	Methyl Acetate	0.65	U	0.65	1.00	ug/L
75-09-2	Methylene Chloride	0.33	U	0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	0.17	1.00	ug/L
110-82-7	Cyclohexane	1.20	U	1.20	5.00	ug/L
78-93-3	2-Butanone	0.71	U	0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.22	U	0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.30	U	0.30	1.00	ug/L
74-97-5	Bromochloromethane	0.31	U	0.31	1.00	ug/L
67-66-3	Chloroform	0.14	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	1.00	ug/L
108-87-2	Methylcyclohexane	0.17	U	0.17	1.00	ug/L
71-43-2	Benzene	0.10	U	0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	0.13	1.00	ug/L
79-01-6	Trichloroethene	0.27	U	0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.14	U	0.14	1.00	ug/L
75-27-4	Bromodichloromethane	0.10	U	0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.85	U	0.85	5.00	ug/L
108-88-3	Toluene	0.12	U	0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.19	U	0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VX0205WBL02	SDG No.:	L1390
Lab Sample ID:	VX0205WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014814.D	1		02/05/20 11:40	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.12	U	0.12	1.00	ug/L
591-78-6	2-Hexanone	1.40	U	1.40	5.00	ug/L
124-48-1	Dibromochloromethane	0.16	U	0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.14	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	0.15	U	0.15	1.00	ug/L
108-90-7	Chlorobenzene	0.080	U	0.080	1.00	ug/L
100-41-4	Ethyl Benzene	0.080	U	0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	0.20	U	0.20	2.00	ug/L
95-47-6	o-Xylene	0.13	U	0.13	1.00	ug/L
100-42-5	Styrene	0.11	U	0.11	1.00	ug/L
75-25-2	Bromoform	0.15	U	0.15	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.14	U	0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.12	U	0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.54	U	0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.26	U	0.26	1.00	ug/L
123-91-1	1,4-Dioxane	13.8	U	13.8	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		61 - 141	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		69 - 133	98%	SPK: 50
2037-26-5	Toluene-d8	49.4		65 - 126	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		58 - 135	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	407000	5.65			
540-36-3	1,4-Difluorobenzene	641000	6.85			
3114-55-4	Chlorobenzene-d5	593000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	268000	12.07			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBL02		SDG No.:	L1390
Lab Sample ID:	VX0205WBL02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014814.D	1		02/05/20 11:40	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VX0206MBL01	SDG No.:	L1390
Lab Sample ID:	VX0206MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014838.D	1		02/06/20 11:01	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.091	U	0.091	0.50	mg/Kg
74-87-3	Chloromethane	0.18	U	0.18	0.50	mg/Kg
75-01-4	Vinyl Chloride	0.11	U	0.11	0.50	mg/Kg
74-83-9	Bromomethane	0.038	U	0.038	0.50	mg/Kg
75-00-3	Chloroethane	0.058	U	0.058	0.50	mg/Kg
75-69-4	Trichlorofluoromethane	0.065	U	0.065	0.50	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.080	U	0.080	0.50	mg/Kg
75-35-4	1,1-Dichloroethene	0.099	U	0.099	0.50	mg/Kg
67-64-1	Acetone	0.77	U	0.77	2.50	mg/Kg
75-15-0	Carbon Disulfide	0.11	U	0.11	0.50	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.14	U	0.14	0.50	mg/Kg
79-20-9	Methyl Acetate	0.28	U	0.28	0.50	mg/Kg
75-09-2	Methylene Chloride	0.52	U	0.52	1.00	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.13	U	0.13	0.50	mg/Kg
75-34-3	1,1-Dichloroethane	0.091	U	0.091	0.50	mg/Kg
110-82-7	Cyclohexane	0.18	U	0.18	0.50	mg/Kg
78-93-3	2-Butanone	0.67	U	0.67	2.50	mg/Kg
56-23-5	Carbon Tetrachloride	0.083	U	0.083	0.50	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.099	U	0.099	0.50	mg/Kg
74-97-5	Bromochloromethane	0.12	U	0.12	0.50	mg/Kg
67-66-3	Chloroform	0.086	U	0.086	0.50	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.11	U	0.11	0.50	mg/Kg
108-87-2	Methylcyclohexane	0.12	U	0.12	0.50	mg/Kg
71-43-2	Benzene	0.084	U	0.084	0.50	mg/Kg
107-06-2	1,2-Dichloroethane	0.12	U	0.12	0.50	mg/Kg
79-01-6	Trichloroethene	0.093	U	0.093	0.50	mg/Kg
78-87-5	1,2-Dichloropropane	0.12	U	0.12	0.50	mg/Kg
75-27-4	Bromodichloromethane	0.099	U	0.099	0.50	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.56	U	0.56	2.50	mg/Kg
108-88-3	Toluene	0.098	U	0.098	0.50	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.10	U	0.10	0.50	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.11	U	0.11	0.50	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0206MBL01		SDG No.:	L1390
Lab Sample ID:	VX0206MBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014838.D	1		02/06/20 11:01	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.14	U	0.14	0.50	mg/Kg
591-78-6	2-Hexanone	0.74	U	0.74	2.50	mg/Kg
124-48-1	Dibromochloromethane	0.13	U	0.13	0.50	mg/Kg
106-93-4	1,2-Dibromoethane	0.13	U	0.13	0.50	mg/Kg
127-18-4	Tetrachloroethene	0.070	U	0.070	0.50	mg/Kg
108-90-7	Chlorobenzene	0.079	U	0.079	0.50	mg/Kg
100-41-4	Ethyl Benzene	0.085	U	0.085	0.50	mg/Kg
179601-23-1	m/p-Xylenes	0.17	U	0.17	1.00	mg/Kg
95-47-6	o-Xylene	0.11	U	0.11	0.50	mg/Kg
100-42-5	Styrene	0.099	U	0.099	0.50	mg/Kg
75-25-2	Bromoform	0.33	U	0.33	0.50	mg/Kg
98-82-8	Isopropylbenzene	0.087	U	0.087	0.50	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U	0.11	0.50	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.11	U	0.11	0.50	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.11	U	0.11	0.50	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.13	U	0.13	0.50	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.33	U	0.33	0.50	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.11	0.50	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.13	U	0.13	0.50	mg/Kg
123-91-1	1,4-Dioxane	5.00	U	5.00	10.0	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	49.1		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		33 - 141	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	441000	5.65			
540-36-3	1,4-Difluorobenzene	682000	6.85			
3114-55-4	Chlorobenzene-d5	618000	10.1			
3855-82-1	1,4-Dichlorobenzene-d4	283000	12.07			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0206MBL01		SDG No.:	L1390
Lab Sample ID:	VX0206MBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014838.D	1		02/06/20 11:01	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VY0204SBL01	SDG No.:	L1390
Lab Sample ID:	VY0204SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001488.D	1		02/04/20 15:54	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.00091	U	0.00091	0.0050	mg/Kg
74-87-3	Chloromethane	0.0018	U	0.0018	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0011	U	0.0011	0.0050	mg/Kg
74-83-9	Bromomethane	0.00038	U	0.00038	0.0050	mg/Kg
75-00-3	Chloroethane	0.00058	U	0.00058	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.00065	U	0.00065	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00080	U	0.00080	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.00099	U	0.00099	0.0050	mg/Kg
67-64-1	Acetone	0.0077	U	0.0077	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0011	U	0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0014	U	0.0014	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0028	U	0.0028	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0052	U	0.0052	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0013	U	0.0013	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00091	U	0.00091	0.0050	mg/Kg
110-82-7	Cyclohexane	0.0018	U	0.0018	0.0050	mg/Kg
78-93-3	2-Butanone	0.0067	U	0.0067	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00082	U	0.00082	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00099	U	0.00099	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0012	U	0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.00086	U	0.00086	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0011	U	0.0011	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.0012	U	0.0012	0.0050	mg/Kg
71-43-2	Benzene	0.00084	U	0.00084	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0012	U	0.0012	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00093	U	0.00093	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0012	U	0.0012	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00099	U	0.00099	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0056	U	0.0056	0.025	mg/Kg
108-88-3	Toluene	0.00098	U	0.00098	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0010	U	0.0010	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0011	U	0.0011	0.0050	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VY0204SBL01	SDG No.:	L1390
Lab Sample ID:	VY0204SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001488.D	1		02/04/20 15:54	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.0014	U	0.0014	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0074	U	0.0074	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0013	U	0.0013	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0013	U	0.0013	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00070	U	0.00070	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00079	U	0.00079	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00085	U	0.00085	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0017	U	0.0017	0.010	mg/Kg
95-47-6	o-Xylene	0.0011	U	0.0011	0.0050	mg/Kg
100-42-5	Styrene	0.00099	U	0.00099	0.0050	mg/Kg
75-25-2	Bromoform	0.0033	U	0.0033	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00087	U	0.00087	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0011	U	0.0011	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0011	U	0.0011	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0013	U	0.0013	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0033	U	0.0033	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.0050	mg/Kg
123-91-1	1,4-Dioxane	0.050	U	0.050	0.10	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.0		56 - 120	118%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		57 - 135	105%	SPK: 50
2037-26-5	Toluene-d8	53.0		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		33 - 141	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	7.8			
540-36-3	1,4-Difluorobenzene	345000	8.7			
3114-55-4	Chlorobenzene-d5	312000	11.5			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.43			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VY0204SBL01		SDG No.:	L1390
Lab Sample ID:	VY0204SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001488.D	1		02/04/20 15:54	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VD0206SBS01	SDG No.:	L1390
Lab Sample ID:	VD0206SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065080.D	1		02/06/20 12:05	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.020		0.00091	0.0050	mg/Kg
74-87-3	Chloromethane	0.022		0.0018	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.022		0.0011	0.0050	mg/Kg
74-83-9	Bromomethane	0.022		0.00038	0.0050	mg/Kg
75-00-3	Chloroethane	0.022		0.00058	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.022		0.00065	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.00080	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.00099	0.0050	mg/Kg
67-64-1	Acetone	0.084		0.0077	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.021		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.0014	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.019		0.0028	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0052	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.0013	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00091	0.0050	mg/Kg
110-82-7	Cyclohexane	0.020		0.0018	0.0050	mg/Kg
78-93-3	2-Butanone	0.086		0.0067	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00082	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00099	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.019		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00086	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.0011	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.019		0.0012	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00084	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.0012	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00093	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.0012	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00099	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.089		0.0056	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00098	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.0010	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.0011	0.0050	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VD0206SBS01	SDG No.:	L1390
Lab Sample ID:	VD0206SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065080.D	1		02/06/20 12:05	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.020		0.0014	0.0050	mg/Kg
591-78-6	2-Hexanone	0.085		0.0074	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.0013	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.019		0.0013	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.00070	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00079	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00085	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0017	0.010	mg/Kg
95-47-6	o-Xylene	0.019		0.0011	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00099	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.0033	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00087	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.019		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0011	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0011	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0013	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0033	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0011	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0013	0.0050	mg/Kg
123-91-1	1,4-Dioxane	0.37		0.050	0.10	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		56 - 120	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		57 - 135	107%	SPK: 50
2037-26-5	Toluene-d8	53.8		67 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		33 - 141	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	472000	7.98			
540-36-3	1,4-Difluorobenzene	704000	8.87			
3114-55-4	Chlorobenzene-d5	627000	11.65			
3855-82-1	1,4-Dichlorobenzene-d4	301000	13.58			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VD0206SBS01		SDG No.:	L1390
Lab Sample ID:	VD0206SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD065080.D	1		02/06/20 12:05	VD020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBS02		SDG No.:	L1390
Lab Sample ID:	VX0205WBS02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014828.D	1		02/05/20 17:27	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.7		0.22	1.00	ug/L
74-87-3	Chloromethane	16.8		0.30	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.16	1.00	ug/L
74-83-9	Bromomethane	16.1		2.10	5.00	ug/L
75-00-3	Chloroethane	16.8		0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.18	1.00	ug/L
67-64-1	Acetone	83.3		0.90	5.00	ug/L
75-15-0	Carbon Disulfide	15.3		0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.070	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.65	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.17	1.00	ug/L
110-82-7	Cyclohexane	17.3		1.20	5.00	ug/L
78-93-3	2-Butanone	84.8		0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.30	1.00	ug/L
74-97-5	Bromochloromethane	19.0		0.31	1.00	ug/L
67-66-3	Chloroform	18.9		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.5		0.12	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.17	1.00	ug/L
71-43-2	Benzene	18.3		0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.13	1.00	ug/L
79-01-6	Trichloroethene	17.7		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.14	1.00	ug/L
75-27-4	Bromodichloromethane	18.7		0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.1		0.85	5.00	ug/L
108-88-3	Toluene	18.7		0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.8		0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.16	1.00	ug/L

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VX0205WBS02	SDG No.:	L1390
Lab Sample ID:	VX0205WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014828.D	1		02/05/20 17:27	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.6		0.12	1.00	ug/L
591-78-6	2-Hexanone	88.4		1.40	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.7		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.15	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.080	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	38.6		0.20	2.00	ug/L
95-47-6	o-Xylene	19.4		0.13	1.00	ug/L
100-42-5	Styrene	19.8		0.11	1.00	ug/L
75-25-2	Bromoform	18.9		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.4		0.26	1.00	ug/L
123-91-1	1,4-Dioxane	340		13.8	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		61 - 141	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		69 - 133	99%	SPK: 50
2037-26-5	Toluene-d8	48.5		65 - 126	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		58 - 135	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	398000	5.65			
540-36-3	1,4-Difluorobenzene	611000	6.85			
3114-55-4	Chlorobenzene-d5	543000	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	270000	12.07			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBS02		SDG No.:	L1390
Lab Sample ID:	VX0205WBS02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014828.D	1		02/05/20 17:27	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0206MBS01		SDG No.:	L1390
Lab Sample ID:	VX0206MBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014841.D	1		02/06/20 12:31	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70		0.091	0.50	mg/Kg
74-87-3	Chloromethane	1.60		0.18	0.50	mg/Kg
75-01-4	Vinyl Chloride	1.80		0.11	0.50	mg/Kg
74-83-9	Bromomethane	1.70		0.038	0.50	mg/Kg
75-00-3	Chloroethane	1.70		0.058	0.50	mg/Kg
75-69-4	Trichlorofluoromethane	1.90		0.065	0.50	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90		0.080	0.50	mg/Kg
75-35-4	1,1-Dichloroethene	1.80		0.099	0.50	mg/Kg
67-64-1	Acetone	9.70		0.77	2.50	mg/Kg
75-15-0	Carbon Disulfide	1.60		0.11	0.50	mg/Kg
1634-04-4	Methyl tert-butyl Ether	2.00		0.14	0.50	mg/Kg
79-20-9	Methyl Acetate	2.00		0.28	0.50	mg/Kg
75-09-2	Methylene Chloride	1.80		0.52	1.00	mg/Kg
156-60-5	trans-1,2-Dichloroethene	1.80		0.13	0.50	mg/Kg
75-34-3	1,1-Dichloroethane	1.90		0.091	0.50	mg/Kg
110-82-7	Cyclohexane	1.80		0.18	0.50	mg/Kg
78-93-3	2-Butanone	9.40		0.67	2.50	mg/Kg
56-23-5	Carbon Tetrachloride	2.00		0.083	0.50	mg/Kg
156-59-2	cis-1,2-Dichloroethene	1.90		0.099	0.50	mg/Kg
74-97-5	Bromochloromethane	1.70		0.12	0.50	mg/Kg
67-66-3	Chloroform	1.90		0.086	0.50	mg/Kg
71-55-6	1,1,1-Trichloroethane	1.90		0.11	0.50	mg/Kg
108-87-2	Methylcyclohexane	1.90		0.12	0.50	mg/Kg
71-43-2	Benzene	2.00		0.084	0.50	mg/Kg
107-06-2	1,2-Dichloroethane	2.10		0.12	0.50	mg/Kg
79-01-6	Trichloroethene	2.00		0.093	0.50	mg/Kg
78-87-5	1,2-Dichloropropane	2.00		0.12	0.50	mg/Kg
75-27-4	Bromodichloromethane	2.00		0.099	0.50	mg/Kg
108-10-1	4-Methyl-2-Pentanone	10.0		0.56	2.50	mg/Kg
108-88-3	Toluene	2.00		0.098	0.50	mg/Kg
10061-02-6	t-1,3-Dichloropropene	2.10		0.10	0.50	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10		0.11	0.50	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0206MBS01		SDG No.:	L1390
Lab Sample ID:	VX0206MBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014841.D	1		02/06/20 12:31	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.10		0.14	0.50	mg/Kg
591-78-6	2-Hexanone	9.90		0.74	2.50	mg/Kg
124-48-1	Dibromochloromethane	2.10		0.13	0.50	mg/Kg
106-93-4	1,2-Dibromoethane	2.10		0.13	0.50	mg/Kg
127-18-4	Tetrachloroethene	1.80		0.070	0.50	mg/Kg
108-90-7	Chlorobenzene	2.00		0.079	0.50	mg/Kg
100-41-4	Ethyl Benzene	2.00		0.085	0.50	mg/Kg
179601-23-1	m/p-Xylenes	4.00		0.17	1.00	mg/Kg
95-47-6	o-Xylene	2.00		0.11	0.50	mg/Kg
100-42-5	Styrene	2.00		0.099	0.50	mg/Kg
75-25-2	Bromoform	2.10		0.33	0.50	mg/Kg
98-82-8	Isopropylbenzene	2.00		0.087	0.50	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90		0.11	0.50	mg/Kg
541-73-1	1,3-Dichlorobenzene	2.00		0.11	0.50	mg/Kg
106-46-7	1,4-Dichlorobenzene	2.00		0.11	0.50	mg/Kg
95-50-1	1,2-Dichlorobenzene	2.00		0.13	0.50	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90		0.33	0.50	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	2.10		0.11	0.50	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	2.10		0.13	0.50	mg/Kg
123-91-1	1,4-Dioxane	41.7		5.00	10.0	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	48.6		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	398000	5.65			
540-36-3	1,4-Difluorobenzene	588000	6.85			
3114-55-4	Chlorobenzene-d5	542000	10.1			
3855-82-1	1,4-Dichlorobenzene-d4	278000	12.07			

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VX0206MBS01	SDG No.:	L1390
Lab Sample ID:	VX0206MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014841.D	1		02/06/20 12:31	VX020620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VY0204SBS01		SDG No.:	L1390
Lab Sample ID:	VY0204SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001489.D	1		02/04/20 16:15	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.021		0.00091	0.0050	mg/Kg
74-87-3	Chloromethane	0.021		0.0018	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.021		0.0011	0.0050	mg/Kg
74-83-9	Bromomethane	0.021		0.00038	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.00058	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.00065	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.00080	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.00099	0.0050	mg/Kg
67-64-1	Acetone	0.10		0.0077	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.021		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.0014	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.023		0.0028	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0052	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		0.0013	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00091	0.0050	mg/Kg
110-82-7	Cyclohexane	0.020		0.0018	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0067	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00082	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00099	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.019		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00086	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.0011	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.021		0.0012	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00084	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.0012	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00093	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.0012	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00099	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0056	0.025	mg/Kg
108-88-3	Toluene	0.021		0.00098	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.0010	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.0011	0.0050	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VY0204SBS01	SDG No.:	L1390
Lab Sample ID:	VY0204SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001489.D	1		02/04/20 16:15	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.022		0.0014	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0074	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.0013	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.022		0.0013	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.00070	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00079	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.021		0.00085	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.043		0.0017	0.010	mg/Kg
95-47-6	o-Xylene	0.021		0.0011	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00099	0.0050	mg/Kg
75-25-2	Bromoform	0.022		0.0033	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.021		0.00087	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.022		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0011	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.0011	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.0013	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.022		0.0033	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.0011	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.0013	0.0050	mg/Kg
123-91-1	1,4-Dioxane	0.43		0.050	0.10	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	52.2		67 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		33 - 141	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	244000	7.8			
540-36-3	1,4-Difluorobenzene	421000	8.7			
3114-55-4	Chlorobenzene-d5	375000	11.49			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.43			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VY0204SBS01		SDG No.:	L1390
Lab Sample ID:	VY0204SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001489.D	1		02/04/20 16:15	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBSD02		SDG No.:	L1390
Lab Sample ID:	VX0205WBSD02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014829.D	1		02/05/20 17:50	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		0.22	1.00	ug/L
74-87-3	Chloromethane	17.2		0.30	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.16	1.00	ug/L
74-83-9	Bromomethane	16.3		2.10	5.00	ug/L
75-00-3	Chloroethane	18.3		0.34	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.16	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.18	1.00	ug/L
67-64-1	Acetone	92.9		0.90	5.00	ug/L
75-15-0	Carbon Disulfide	15.9		0.23	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.070	1.00	ug/L
79-20-9	Methyl Acetate	19.5		0.65	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.33	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.24	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.17	1.00	ug/L
110-82-7	Cyclohexane	17.5		1.20	5.00	ug/L
78-93-3	2-Butanone	89.4		0.71	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.22	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.30	1.00	ug/L
74-97-5	Bromochloromethane	16.4		0.31	1.00	ug/L
67-66-3	Chloroform	19.3		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.12	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.17	1.00	ug/L
71-43-2	Benzene	19.0		0.10	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.13	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.27	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.14	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.10	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.5		0.85	5.00	ug/L
108-88-3	Toluene	19.5		0.12	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.19	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.16	1.00	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBSD02		SDG No.:	L1390
Lab Sample ID:	VX0205WBSD02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014829.D	1		02/05/20 17:50	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.1		0.12	1.00	ug/L
591-78-6	2-Hexanone	92.1		1.40	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.16	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.15	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.080	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.080	1.00	ug/L
179601-23-1	m/p-Xylenes	39.1		0.20	2.00	ug/L
95-47-6	o-Xylene	19.7		0.13	1.00	ug/L
100-42-5	Styrene	20.2		0.11	1.00	ug/L
75-25-2	Bromoform	19.7		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.14	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.12	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.54	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.8		0.24	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.7		0.26	1.00	ug/L
123-91-1	1,4-Dioxane	360		13.8	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		61 - 141	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		69 - 133	97%	SPK: 50
2037-26-5	Toluene-d8	47.6		65 - 126	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		58 - 135	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	408000	5.65			
540-36-3	1,4-Difluorobenzene	617000	6.85			
3114-55-4	Chlorobenzene-d5	562000	10.1			
3855-82-1	1,4-Dichlorobenzene-d4	283000	12.07			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VX0205WBSD02		SDG No.:	L1390
Lab Sample ID:	VX0205WBSD02		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX014829.D	1		02/05/20 17:50	VX020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	VY0204SBSD01	SDG No.:	L1390
Lab Sample ID:	VY0204SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001490.D	1		02/04/20 16:37	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.019		0.00091	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0018	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		0.0011	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.00038	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.00058	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.00065	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.00080	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.00099	0.0050	mg/Kg
67-64-1	Acetone	0.10		0.0077	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.0014	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.023		0.0028	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0052	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.0013	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00091	0.0050	mg/Kg
110-82-7	Cyclohexane	0.019		0.0018	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0067	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00082	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00099	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.019		0.0012	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00086	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.0011	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.020		0.0012	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00084	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.0012	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00093	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.0012	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00099	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0056	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00098	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.0010	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.0011	0.0050	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VY0204SBSD01		SDG No.:	L1390
Lab Sample ID:	VY0204SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001490.D	1		02/04/20 16:37	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.021		0.0014	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0074	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.0013	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.0013	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.00070	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00079	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00085	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.041		0.0017	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.0011	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00099	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.0033	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00087	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.022		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0011	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0011	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.0013	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.022		0.0033	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.0011	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.0013	0.0050	mg/Kg
123-91-1	1,4-Dioxane	0.43		0.050	0.10	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	52.8		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		33 - 141	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	7.81			
540-36-3	1,4-Difluorobenzene	425000	8.7			
3114-55-4	Chlorobenzene-d5	379000	11.49			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.43			

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	VY0204SBSD01		SDG No.:	L1390
Lab Sample ID:	VY0204SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY001490.D	1		02/04/20 16:37	VY020420

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_D Calibration Date(s): 02/05/2020 02/05/2020
 Heated Purge: (Y/N) Y Calibration Time(s): 12:03 15:31
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:	RRF005 = VD065060.D	RRF010 = VD065061.D	RRF020 = VD065062.D					
	RRF050 = VD065063.D	RRF100 = VD065064.D	RRF150 = VD065065.D					
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.417	0.435	0.428	0.433	0.407	0.376	0.416	5.4
Chloromethane	0.519	0.509	0.526	0.478	0.454	0.454	0.490	6.6
Vinyl Chloride	0.527	0.543	0.532	0.527	0.505	0.474	0.518	4.8
Bromomethane	0.381	0.353	0.328	0.327	0.310	0.316	0.336	7.9
Chloroethane	0.316	0.329	0.342	0.326	0.310	0.304	0.321	4.4
Trichlorofluoromethane	0.770	0.767	0.779	0.774	0.741	0.693	0.754	4.3
1,1,2-Trichlorotrifluoroethane	0.487	0.468	0.486	0.472	0.446	0.407	0.461	6.6
1,1-Dichloroethene	0.454	0.465	0.457	0.442	0.427	0.403	0.441	5.2
Acetone	0.117	0.104	0.108	0.102	0.101	0.105	0.106	5.5
Carbon Disulfide	1.417	1.469	1.478	1.435	1.382	1.321	1.417	4.1
Methyl tert-butyl Ether	0.965	0.989	1.017	0.964	0.941	0.981	0.976	2.6
Methyl Acetate	0.230	0.226	0.241	0.208	0.211	0.216	0.222	5.7
Methylene Chloride	0.686	0.647	0.523	0.481	0.444	0.444	0.537	19.5
trans-1,2-Dichloroethene	0.503	0.517	0.532	0.493	0.478	0.473	0.499	4.6
1,1-Dichloroethane	0.835	0.874	0.891	0.829	0.796	0.801	0.837	4.6
Cyclohexane	0.969	0.884	0.870	0.824	0.797	0.728	0.845	9.7
2-Butanone	0.130	0.129	0.126	0.121	0.123	0.130	0.127	3.1
Carbon Tetrachloride	0.466	0.472	0.491	0.489	0.489	0.442	0.475	4
cis-1,2-Dichloroethene	0.518	0.542	0.555	0.532	0.512	0.523	0.530	3
Bromochloromethane	0.353	0.311	0.298	0.310	0.311	0.323	0.317	6
Chloroform	0.838	0.864	0.868	0.832	0.797	0.804	0.834	3.5
1,1,1-Trichloroethane	0.773	0.811	0.807	0.784	0.760	0.727	0.777	4
Methylcyclohexane	0.552	0.576	0.592	0.604	0.597	0.523	0.574	5.4
Benzene	1.238	1.293	1.321	1.304	1.304	1.242	1.284	2.7
1,2-Dichloroethane	0.361	0.370	0.381	0.370	0.363	0.350	0.366	2.8
Trichloroethene	0.376	0.372	0.381	0.374	0.367	0.341	0.369	3.8
1,2-Dichloropropane	0.295	0.309	0.317	0.315	0.312	0.299	0.308	2.9
Bromodichloromethane	0.410	0.420	0.450	0.432	0.431	0.414	0.426	3.5
4-Methyl-2-Pentanone	0.168	0.176	0.188	0.179	0.185	0.178	0.179	3.8
Toluene	0.770	0.819	0.842	0.848	0.839	0.800	0.819	3.7
t-1,3-Dichloropropene	0.388	0.407	0.429	0.424	0.426	0.415	0.415	3.7
cis-1,3-Dichloropropene	0.477	0.485	0.515	0.506	0.508	0.487	0.496	3
1,1,2-Trichloroethane	0.216	0.228	0.230	0.222	0.221	0.214	0.222	2.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_D Calibration Date(s): 02/05/2020 02/05/2020
 Heated Purge: (Y/N) Y Calibration Time(s): 12:03 15:31
 GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:	RRF005 = VD065060.D	RRF010 = VD065061.D	RRF020 = VD065062.D					
	RRF050 = VD065063.D	RRF100 = VD065064.D	RRF150 = VD065065.D					
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.114	0.120	0.131	0.130	0.134	0.130	0.127	6
Dibromochloromethane	0.264	0.294	0.301	0.292	0.291	0.283	0.287	4.4
1,2-Dibromoethane	0.212	0.219	0.228	0.217	0.216	0.210	0.217	2.9
Tetrachloroethene	0.343	0.362	0.384	0.370	0.362	0.334	0.359	5
Chlorobenzene	0.927	1.008	0.997	0.995	0.969	0.905	0.967	4.3
Ethyl Benzene	1.681	1.777	1.781	1.838	1.814	1.652	1.757	4.2
m/p-Xylenes	0.638	0.671	0.686	0.708	0.687	0.635	0.671	4.3
o-Xylene	0.554	0.610	0.617	0.636	0.622	0.583	0.604	5
Styrene	0.951	1.039	1.072	1.111	1.094	1.029	1.050	5.5
Bromoform	0.189	0.194	0.200	0.194	0.191	0.185	0.192	2.5
Isopropylbenzene	3.205	3.446	3.629	3.590	3.500	3.221	3.432	5.3
1,1,2,2-Tetrachloroethane	0.543	0.572	0.548	0.543	0.524	0.510	0.540	3.9
1,3-Dichlorobenzene	1.503	1.614	1.589	1.568	1.543	1.472	1.548	3.5
1,4-Dichlorobenzene	1.566	1.609	1.606	1.544	1.484	1.437	1.541	4.5
1,2-Dichlorobenzene	1.330	1.382	1.370	1.343	1.286	1.245	1.326	3.9
1,2-Dibromo-3-Chloropropane	0.094	0.088	0.091	0.088	0.085	0.083	0.088	4.5
1,2,4-Trichlorobenzene	0.941	0.963	1.012	0.969	0.919	0.882	0.948	4.7
1,2,3-Trichlorobenzene	0.808	0.854	0.854	0.806	0.781	0.759	0.811	4.7
1,2-Dichloroethane-d4	0.414	0.419	0.411	0.439	0.427	0.439	0.425	2.9
Dibromofluoromethane	0.253	0.268	0.274	0.297	0.296	0.285	0.279	6.2
Toluene-d8	1.048	1.039	1.053	1.194	1.188	1.140	1.110	6.5
4-Bromofluorobenzene	0.332	0.338	0.337	0.377	0.368	0.360	0.352	5.3
1,4-Dioxane	1.880	2.043	1.907	1.894	1.937	1.835	1.916	3.7

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_X Calibration Date(s): 01/22/2020 01/22/2020
 Heated Purge: (Y/N) N Calibration Time(s): 10:18 12:13
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX014680.D	RRF005 = VX014681.D	RRF020 = VX014682.D					
	RRF050 = VX014683.D	RRF100 = VX014684.D	RRF150 = VX014685.D					
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.412	0.464	0.677	0.694	0.661	0.680	0.598	21
Chloromethane	0.641	0.641	0.700	0.702	0.675	0.700	0.676	4.3
Vinyl Chloride	0.602	0.655	0.779	0.801	0.772	0.779	0.731	11.2
Bromomethane		0.503	0.438	0.494	0.509	0.540	0.497	7.4
Chloroethane	0.601	0.442	0.437	0.449	0.405	0.411	0.458	15.9
Trichlorofluoromethane	0.898	0.866	0.847	0.855	0.808	0.836	0.852	3.5
1,1,2-Trichlorotrifluoroethane	0.487	0.528	0.503	0.503	0.479	0.499	0.500	3.4
1,1-Dichloroethene	0.507	0.506	0.484	0.500	0.482	0.503	0.497	2.3
Acetone	0.467	0.339	0.330	0.320	0.307	0.326	0.348	17
Carbon Disulfide	1.336	1.305	1.315	1.396	1.373	1.426	1.358	3.5
Methyl tert-butyl Ether	1.601	1.615	1.591	1.667	1.629	1.666	1.628	2
Methyl Acetate	0.870	0.878	0.924	0.918	0.936	0.954	0.913	3.6
Methylene Chloride	0.674	0.641	0.555	0.574	0.551	0.558	0.592	8.8
trans-1,2-Dichloroethene	0.629	0.530	0.520	0.541	0.522	0.541	0.547	7.5
1,1-Dichloroethane	0.903	0.990	0.972	0.992	0.958	0.977	0.965	3.4
Cyclohexane		0.854	0.899	0.945	0.903	0.939	0.908	4
2-Butanone	0.438	0.461	0.463	0.455	0.465	0.468	0.458	2.3
Carbon Tetrachloride	0.435	0.412	0.448	0.460	0.445	0.462	0.444	4.1
cis-1,2-Dichloroethene	0.654	0.602	0.591	0.615	0.601	0.613	0.613	3.6
Bromochloromethane	0.543	0.427	0.384	0.402	0.394	0.396	0.424	14.2
Chloroform	0.971	1.011	0.932	0.968	0.921	0.935	0.956	3.5
1,1,1-Trichloroethane	0.838	0.811	0.775	0.810	0.795	0.821	0.808	2.7
Methylcyclohexane	0.514	0.560	0.592	0.618	0.593	0.616	0.582	6.8
Benzene	1.345	1.462	1.470	1.487	1.420	1.431	1.436	3.6
1,2-Dichloroethane	0.472	0.509	0.508	0.509	0.485	0.492	0.496	3.1
Trichloroethene	0.421	0.420	0.396	0.411	0.390	0.395	0.405	3.4
1,2-Dichloropropane	0.338	0.367	0.383	0.383	0.371	0.376	0.370	4.6
Bromodichloromethane	0.423	0.462	0.466	0.493	0.480	0.494	0.470	5.7
4-Methyl-2-Pentanone	0.468	0.543	0.577	0.558	0.580	0.573	0.550	7.7
Toluene	0.773	0.886	0.909	0.930	0.894	0.904	0.882	6.3
t-1,3-Dichloropropene	0.405	0.452	0.503	0.545	0.555	0.576	0.506	13.1
cis-1,3-Dichloropropene	0.431	0.506	0.564	0.609	0.604	0.624	0.556	13.4
1,1,2-Trichloroethane	0.328	0.363	0.367	0.377	0.362	0.371	0.361	4.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_X Calibration Date(s): 01/22/2020 01/22/2020
 Heated Purge: (Y/N) N Calibration Time(s): 10:18 12:13
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX014680.D	RRF005 = VX014681.D	RRF020 = VX014682.D					
	RRF050 = VX014683.D	RRF100 = VX014684.D	RRF150 = VX014685.D					
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.340	0.413	0.450	0.441	0.462	0.455	0.427	10.7
Dibromochloromethane	0.349	0.345	0.371	0.395	0.395	0.407	0.377	6.9
1,2-Dibromoethane	0.349	0.389	0.388	0.392	0.386	0.389	0.382	4.3
Tetrachloroethene	0.496	0.507	0.489	0.526	0.469	0.483	0.495	4
Chlorobenzene	1.056	1.097	1.063	1.091	1.045	1.064	1.069	1.9
Ethyl Benzene	1.628	1.812	1.855	1.940	1.853	1.869	1.826	5.8
m/p-Xylenes	0.568	0.679	0.716	0.745	0.712	0.731	0.692	9.3
o-Xylene	0.572	0.657	0.675	0.709	0.693	0.702	0.668	7.6
Styrene	0.832	1.051	1.148	1.236	1.213	1.242	1.120	14.2
Bromoform	0.263	0.283	0.304	0.329	0.341	0.360	0.314	11.7
Isopropylbenzene	2.979	3.713	3.669	3.723	3.523	3.488	3.516	8
1,1,2,2-Tetrachloroethane	1.404	1.302	1.236	1.201	1.196	1.193	1.255	6.7
1,3-Dichlorobenzene	1.712	1.770	1.644	1.711	1.668	1.680	1.697	2.6
1,4-Dichlorobenzene	1.698	1.773	1.701	1.701	1.665	1.664	1.700	2.3
1,2-Dichlorobenzene	1.660	1.712	1.710	1.717	1.644	1.673	1.686	1.8
1,2-Dibromo-3-Chloropropane	0.263	0.278	0.273	0.262	0.271	0.270	0.270	2.2
1,2,4-Trichlorobenzene	0.937	0.996	1.063	1.153	1.173	1.199	1.087	9.7
1,2,3-Trichlorobenzene	0.945	1.047	1.097	1.182	1.144	1.178	1.099	8.3
1,2-Dichloroethane-d4		0.623	0.554	0.576	0.562	0.604	0.584	5
Dibromofluoromethane		0.335	0.305	0.314	0.301	0.323	0.315	4.4
Toluene-d8		1.243	1.186	1.212	1.171	1.252	1.213	2.9
4-Bromofluorobenzene		0.423	0.406	0.426	0.431	0.475	0.432	5.9
1,4-Dioxane	7.852	9.290	9.330	8.265	9.806	8.410	8.825	8.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_Y Calibration Date(s): 02/04/2020 02/04/2020
 Heated Purge: (Y/N) Y Calibration Time(s): 12:55 14:42
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY001481.D	RRF010 = VY001482.D	RRF020 = VY001483.D					
	RRF050 = VY001484.D	RRF100 = VY001485.D	RRF150 = VY001486.D					
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.459	0.497	0.507	0.506	0.504	0.464	0.489	4.5
Chloromethane	0.520	0.528	0.531	0.509	0.510	0.471	0.512	4.2
Vinyl Chloride	0.508	0.530	0.564	0.542	0.542	0.502	0.531	4.4
Bromomethane	0.373	0.355	0.337	0.343	0.330	0.266	0.334	11
Chloroethane	0.314	0.328	0.337	0.326	0.322	0.295	0.320	4.5
Trichlorofluoromethane	0.885	0.893	0.919	0.883	0.877	0.818	0.879	3.8
1,1,2-Trichlorotrifluoroethane	0.533	0.537	0.553	0.537	0.528	0.486	0.529	4.3
1,1-Dichloroethene	0.517	0.532	0.559	0.534	0.527	0.486	0.526	4.6
Acetone	0.171	0.132	0.130	0.143	0.134	0.165	0.146	12.2
Carbon Disulfide	1.631	1.696	1.745	1.708	1.698	1.563	1.673	3.9
Methyl tert-butyl Ether	1.462	1.394	1.437	1.365	1.369	1.362	1.398	3
Methyl Acetate	0.342	0.305	0.319	0.286	0.292	0.321	0.311	6.7
Methylene Chloride	0.883	0.704	0.663	0.591	0.564	0.523	0.655	19.8
trans-1,2-Dichloroethene	0.585	0.596	0.611	0.585	0.588	0.542	0.584	4
1,1-Dichloroethane	0.965	0.968	1.001	0.960	0.959	0.896	0.958	3.6
Cyclohexane	1.096	1.038	1.009	0.951	0.937	0.851	0.980	8.8
2-Butanone	0.212	0.179	0.183	0.181	0.176	0.202	0.189	7.7
Carbon Tetrachloride	0.441	0.443	0.465	0.455	0.444	0.407	0.443	4.5
cis-1,2-Dichloroethene	0.664	0.650	0.656	0.632	0.639	0.587	0.638	4.3
Bromochloromethane	0.319	0.270	0.305	0.359	0.365	0.341	0.326	11
Chloroform	0.971	0.981	1.010	0.975	0.979	0.909	0.971	3.4
1,1,1-Trichloroethane	0.866	0.883	0.928	0.893	0.890	0.820	0.880	4.1
Methylcyclohexane	0.603	0.626	0.625	0.620	0.600	0.539	0.602	5.5
Benzene	1.332	1.343	1.363	1.321	1.290	1.178	1.305	5.1
1,2-Dichloroethane	0.381	0.370	0.378	0.357	0.356	0.339	0.363	4.4
Trichloroethene	0.361	0.363	0.365	0.355	0.347	0.319	0.352	4.8
1,2-Dichloropropane	0.315	0.322	0.333	0.316	0.314	0.291	0.315	4.3
Bromodichloromethane	0.426	0.436	0.446	0.437	0.435	0.407	0.431	3.1
4-Methyl-2-Pentanone	0.239	0.210	0.220	0.206	0.203	0.217	0.216	6
Toluene	0.847	0.855	0.877	0.834	0.816	0.738	0.828	5.9
t-1,3-Dichloropropene	0.477	0.469	0.485	0.471	0.469	0.447	0.469	2.7
cis-1,3-Dichloropropene	0.541	0.551	0.559	0.546	0.537	0.500	0.539	3.8
1,1,2-Trichloroethane	0.265	0.255	0.262	0.252	0.249	0.239	0.254	3.7

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_Y Calibration Date(s): 02/04/2020 02/04/2020
 Heated Purge: (Y/N) Y Calibration Time(s): 12:55 14:42
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY001481.D	RRF010 = VY001482.D	RRF020 = VY001483.D					
	RRF050 = VY001484.D	RRF100 = VY001485.D	RRF150 = VY001486.D					
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.169	0.147	0.158	0.154	0.148	0.166	0.157	5.7
Dibromochloromethane	0.306	0.300	0.303	0.302	0.300	0.284	0.299	2.6
1,2-Dibromoethane	0.258	0.250	0.259	0.248	0.245	0.239	0.250	3.1
Tetrachloroethene	0.326	0.331	0.341	0.333	0.316	0.320	0.328	2.7
Chlorobenzene	0.983	0.993	1.032	1.007	0.982	0.893	0.982	4.8
Ethyl Benzene	1.860	1.869	1.953	1.853	1.767	1.589	1.815	6.9
m/p-Xylenes	0.699	0.714	0.733	0.694	0.659	0.590	0.681	7.5
o-Xylene	0.659	0.663	0.693	0.661	0.625	0.554	0.643	7.5
Styrene	1.135	1.149	1.181	1.137	1.080	0.985	1.111	6.3
Bromoform	0.187	0.183	0.201	0.196	0.192	0.190	0.191	3.3
Isopropylbenzene	3.810	3.939	3.948	3.901	3.856	3.426	3.813	5.2
1,1,2,2-Tetrachloroethane	0.735	0.702	0.741	0.715	0.728	0.725	0.725	2
1,3-Dichlorobenzene	1.677	1.687	1.662	1.588	1.516	1.360	1.582	8
1,4-Dichlorobenzene	1.625	1.667	1.649	1.597	1.553	1.416	1.584	5.8
1,2-Dichlorobenzene	1.480	1.467	1.494	1.450	1.408	1.301	1.433	5
1,2-Dibromo-3-Chloropropane	0.148	0.140	0.132	0.127	0.123	0.133	0.134	6.6
1,2,4-Trichlorobenzene	1.014	1.005	1.015	0.959	0.934	0.869	0.966	6
1,2,3-Trichlorobenzene	0.892	0.877	0.900	0.826	0.831	0.789	0.853	5.1
1,2-Dichloroethane-d4	0.521	0.494	0.485	0.493	0.512	0.517	0.503	2.9
Dibromofluoromethane	0.279	0.307	0.303	0.279	0.285	0.276	0.288	4.6
Toluene-d8	1.131	1.058	1.007	1.128	1.136	1.085	1.091	4.7
4-Bromofluorobenzene	0.424	0.484	0.456	0.413	0.409	0.392	0.430	8
1,4-Dioxane	2.465	2.399	2.396	2.187	2.237	2.334	2.336	4.5

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_D Calibration Date/Time: 02/06/2020 10:53
 Lab File ID: VD065078.D Init. Calib. Date(s): 02/05/2020 02/05/2020
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:03 15:31
 GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.416	0.443		6.49	20
Chloromethane	0.490	0.534	0.1	8.98	20
Vinyl Chloride	0.518	0.584		12.74	20
Bromomethane	0.336	0.353		5.06	20
Chloroethane	0.321	0.356		10.9	20
Trichlorofluoromethane	0.754	0.854		13.26	20
1,1,2-Trichlorotrifluoroethane	0.461	0.475		3.04	20
1,1-Dichloroethene	0.441	0.444		0.68	20
Acetone	0.106	0.110		3.77	20
Carbon Disulfide	1.417	1.494		5.43	20
Methyl tert-butyl Ether	0.976	0.937		-4	20
Methyl Acetate	0.222	0.208		-6.31	20
Methylene Chloride	0.537	0.480		-10.61	20
trans-1,2-Dichloroethene	0.499	0.511		2.4	20
1,1-Dichloroethane	0.837	0.866	0.1	3.46	20
Cyclohexane	0.845	0.839		-0.71	20
2-Butanone	0.127	0.125		-1.58	20
Carbon Tetrachloride	0.475	0.508		6.95	20
cis-1,2-Dichloroethene	0.530	0.536		1.13	20
Bromochloromethane	0.317	0.359		13.25	20
Chloroform	0.834	0.873		4.68	20
1,1,1-Trichloroethane	0.777	0.816		5.02	20
Methylcyclohexane	0.574	0.614		6.97	20
Benzene	1.284	1.366		6.39	20
1,2-Dichloroethane	0.366	0.378		3.28	20
Trichloroethene	0.369	0.377		2.17	20
1,2-Dichloropropane	0.308	0.328		6.49	20
Bromodichloromethane	0.426	0.452		6.1	20
4-Methyl-2-Pentanone	0.179	0.177		-1.12	20
Toluene	0.819	0.863		5.37	20
t-1,3-Dichloropropene	0.415	0.419		0.96	20
cis-1,3-Dichloropropene	0.496	0.515		3.83	20
1,1,2-Trichloroethane	0.222	0.224		0.9	20
2-Hexanone	0.127	0.135		6.3	20
Dibromochloromethane	0.287	0.300		4.53	20
1,2-Dibromoethane	0.217	0.219		0.92	20
Tetrachloroethene	0.359	0.381		6.13	20
Chlorobenzene	0.967	0.998	0.3	3.21	20
Ethyl Benzene	1.757	1.873		6.6	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_D Calibration Date/Time: 02/06/2020 10:53
 Lab File ID: VD065078.D Init. Calib. Date(s): 02/05/2020 02/05/2020
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:03 15:31
 GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.671	0.725		8.05	20
o-Xylene	0.604	0.639		5.8	20
Styrene	1.050	1.124		7.05	20
Bromoform	0.192	0.194	0.1	1.04	20
Isopropylbenzene	3.432	3.615		5.33	20
1,1,2,2-Tetrachloroethane	0.540	0.532	0.3	-1.48	20
1,3-Dichlorobenzene	1.548	1.612		4.13	20
1,4-Dichlorobenzene	1.541	1.582		2.66	20
1,2-Dichlorobenzene	1.326	1.355		2.19	20
1,2-Dibromo-3-Chloropropane	0.088	0.083		-5.68	20
1,2,4-Trichlorobenzene	0.948	0.917		-3.27	20
1,2,3-Trichlorobenzene	0.811	0.803		-0.99	20
1,2-Dichloroethane-d4	0.425	0.470		10.59	20
Dibromofluoromethane	0.279	0.326		16.85	20
Toluene-d8	1.110	1.278		15.14	20
4-Bromofluorobenzene	0.352	0.395		12.22	20
1,4-Dioxane	1.916	1.888	0.05	-1.46	50

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_X Calibration Date/Time: 02/05/2020 09:46
 Lab File ID: VX014811.D Init. Calib. Date(s): 01/22/2020 01/22/2020
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:18 12:13
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.598	0.574		-4.01	20
Chloromethane	0.676	0.564	0.1	-16.57	20
Vinyl Chloride	0.731	0.662		-9.44	20
Bromomethane	0.497	0.419		-15.69	20
Chloroethane	0.458	0.378		-17.47	20
Trichlorofluoromethane	0.852	0.781		-8.33	20
1,1,2-Trichlorotrifluoroethane	0.500	0.471		-5.8	20
1,1-Dichloroethene	0.497	0.443		-10.86	20
Acetone	0.348	0.309		-11.21	20
Carbon Disulfide	1.358	1.108		-18.41	20
Methyl tert-butyl Ether	1.628	1.544		-5.16	20
Methyl Acetate	0.913	0.821		-10.08	20
Methylene Chloride	0.592	0.514		-13.18	20
trans-1,2-Dichloroethene	0.547	0.481		-12.07	20
1,1-Dichloroethane	0.965	0.883	0.1	-8.5	20
Cyclohexane	0.908	0.794		-12.56	20
2-Butanone	0.458	0.408		-10.92	20
Carbon Tetrachloride	0.444	0.456		2.7	20
cis-1,2-Dichloroethene	0.613	0.561		-8.48	20
Bromochloromethane	0.424	0.367		-13.44	20
Chloroform	0.956	0.907		-5.13	20
1,1,1-Trichloroethane	0.808	0.767		-5.07	20
Methylcyclohexane	0.582	0.571		-1.89	20
Benzene	1.436	1.384		-3.62	20
1,2-Dichloroethane	0.496	0.503		1.41	20
Trichloroethene	0.405	0.390		-3.7	20
1,2-Dichloropropane	0.370	0.367		-0.81	20
Bromodichloromethane	0.470	0.487		3.62	20
4-Methyl-2-Pentanone	0.550	0.515		-6.36	20
Toluene	0.882	0.886		0.45	20
t-1,3-Dichloropropene	0.506	0.532		5.14	20
cis-1,3-Dichloropropene	0.556	0.593		6.66	20
1,1,2-Trichloroethane	0.361	0.365		1.11	20
2-Hexanone	0.427	0.407		-4.68	20
Dibromochloromethane	0.377	0.395		4.78	20
1,2-Dibromoethane	0.382	0.385		0.79	20
Tetrachloroethene	0.495	0.466		-5.86	20
Chlorobenzene	1.069	1.052	0.3	-1.59	20
Ethyl Benzene	1.826	1.870		2.41	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_X Calibration Date/Time: 02/05/2020 09:46
 Lab File ID: VX014811.D Init. Calib. Date(s): 01/22/2020 01/22/2020
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:18 12:13
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.692	0.709		2.46	20
o-Xylene	0.668	0.682		2.1	20
Styrene	1.120	1.196		6.79	20
Bromoform	0.314	0.331	0.1	5.41	20
Isopropylbenzene	3.516	3.493		-0.65	20
1,1,2,2-Tetrachloroethane	1.255	1.118	0.3	-10.92	20
1,3-Dichlorobenzene	1.697	1.646		-3.01	20
1,4-Dichlorobenzene	1.700	1.668		-1.88	20
1,2-Dichlorobenzene	1.686	1.639		-2.79	20
1,2-Dibromo-3-Chloropropane	0.270	0.243		-10	20
1,2,4-Trichlorobenzene	1.087	1.159		6.62	20
1,2,3-Trichlorobenzene	1.099	1.142		3.91	20
1,2-Dichloroethane-d4	0.584	0.530		-9.25	20
Dibromofluoromethane	0.315	0.305		-3.17	20
Toluene-d8	1.213	1.142		-5.85	20
4-Bromofluorobenzene	0.432	0.413		-4.4	20
1,4-Dioxane	8.825	7.145	0.05	-19.04	50

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_X Calibration Date/Time: 02/06/2020 10:25
 Lab File ID: VX014837.D Init. Calib. Date(s): 01/22/2020 01/22/2020
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:18 12:13
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.598	0.564		-5.69	20
Chloromethane	0.676	0.553	0.1	-18.19	20
Vinyl Chloride	0.731	0.640		-12.45	20
Bromomethane	0.497	0.431		-13.28	20
Chloroethane	0.458	0.367		-19.87	20
Trichlorofluoromethane	0.852	0.779		-8.57	20
1,1,2-Trichlorotrifluoroethane	0.500	0.471		-5.8	20
1,1-Dichloroethene	0.497	0.441		-11.27	20
Acetone	0.348	0.340		-2.3	20
Carbon Disulfide	1.358	1.082		-20.32	20
Methyl tert-butyl Ether	1.628	1.651		1.41	20
Methyl Acetate	0.913	0.862		-5.59	20
Methylene Chloride	0.592	0.532		-10.14	20
trans-1,2-Dichloroethene	0.547	0.483		-11.7	20
1,1-Dichloroethane	0.965	0.905	0.1	-6.22	20
Cyclohexane	0.908	0.785		-13.55	20
2-Butanone	0.458	0.439		-4.15	20
Carbon Tetrachloride	0.444	0.453		2.03	20
cis-1,2-Dichloroethene	0.613	0.585		-4.57	20
Bromochloromethane	0.424	0.361		-14.86	20
Chloroform	0.956	0.931		-2.62	20
1,1,1-Trichloroethane	0.808	0.788		-2.47	20
Methylcyclohexane	0.582	0.560		-3.78	20
Benzene	1.436	1.383		-3.69	20
1,2-Dichloroethane	0.496	0.519		4.64	20
Trichloroethene	0.405	0.391		-3.46	20
1,2-Dichloropropane	0.370	0.369		-0.27	20
Bromodichloromethane	0.470	0.496		5.53	20
4-Methyl-2-Pentanone	0.550	0.533		-3.09	20
Toluene	0.882	0.888		0.68	20
t-1,3-Dichloropropene	0.506	0.555		9.68	20
cis-1,3-Dichloropropene	0.556	0.605		8.81	20
1,1,2-Trichloroethane	0.361	0.381		5.54	20
2-Hexanone	0.427	0.424		-0.7	20
Dibromochloromethane	0.377	0.409		8.49	20
1,2-Dibromoethane	0.382	0.391		2.36	20
Tetrachloroethene	0.495	0.458		-7.47	20
Chlorobenzene	1.069	1.074	0.3	0.47	20
Ethyl Benzene	1.826	1.876		2.74	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: MSVOA_X Calibration Date/Time: 02/06/2020 10:25
 Lab File ID: VX014837.D Init. Calib. Date(s): 01/22/2020 01/22/2020
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:18 12:13
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.692	0.719		3.9	20
o-Xylene	0.668	0.695		4.04	20
Styrene	1.120	1.216		8.57	20
Bromoform	0.314	0.341	0.1	8.6	20
Isopropylbenzene	3.516	3.578		1.76	20
1,1,2,2-Tetrachloroethane	1.255	1.184	0.3	-5.66	20
1,3-Dichlorobenzene	1.697	1.695		-0.12	20
1,4-Dichlorobenzene	1.700	1.702		0.12	20
1,2-Dichlorobenzene	1.686	1.694		0.47	20
1,2-Dibromo-3-Chloropropane	0.270	0.258		-4.44	20
1,2,4-Trichlorobenzene	1.087	1.196		10.03	20
1,2,3-Trichlorobenzene	1.099	1.208		9.92	20
1,2-Dichloroethane-d4	0.584	0.565		-3.25	20
Dibromofluoromethane	0.315	0.314		-0.32	20
Toluene-d8	1.213	1.172		-3.38	20
4-Bromofluorobenzene	0.432	0.427		-1.16	20
1,4-Dioxane	8.825	8.040	0.05	-8.9	50

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

LAB CHRONICLE

OrderID: L1390
Client: ATC Group Services LLC
Contact: Denise Cosenza

OrderDate: 2/4/2020 11:53:00 AM
Project: 64 Centre Avenue, New Rochelle, NY
Location: L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
L1390-01	SB-1	SOIL	SVOCMS Group1	8270D	02/04/20	02/05/20	02/05/20	02/04/20
L1390-01DL	SB-1DL	SOIL	SVOCMS Group1	8270D	02/04/20	02/05/20	02/06/20	02/04/20
L1390-02	SB-2	SOIL	SVOCMS Group1	8270D	02/04/20	02/05/20	02/05/20	02/04/20
L1390-03	SB-3	SOIL	SVOCMS Group1	8270D	02/04/20	02/05/20	02/05/20	02/04/20
L1390-04	SB-4	SOIL	SVOCMS Group1	8270D	02/04/20	02/05/20	02/05/20	02/04/20
L1390-05	SB-5	SOIL	SVOCMS Group1	8270D	02/04/20	02/05/20	02/05/20	02/04/20
L1390-08	SB-5-WS	Water	SVOCMS Group1	8270D	02/04/20	02/05/20	02/05/20	02/04/20

SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044314.D	1	02/05/20 08:15	02/05/20 21:23	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.11	U	0.11	0.37	mg/Kg
108-95-2	Phenol	0.13	J	0.070	0.37	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.12	0.37	mg/Kg
95-57-8	2-Chlorophenol	0.074	U	0.074	0.37	mg/Kg
95-48-7	2-Methylphenol	0.079	U	0.079	0.37	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.099	U	0.099	0.37	mg/Kg
98-86-2	Acetophenone	0.10	U	0.10	0.37	mg/Kg
65794-96-9	3+4-Methylphenols	0.11	U	0.11	0.37	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.15	U	0.15	0.37	mg/Kg
67-72-1	Hexachloroethane	0.095	U	0.095	0.37	mg/Kg
98-95-3	Nitrobenzene	0.049	U	0.049	0.37	mg/Kg
78-59-1	Isophorone	0.041	U	0.041	0.37	mg/Kg
88-75-5	2-Nitrophenol	0.086	U	0.086	0.37	mg/Kg
105-67-9	2,4-Dimethylphenol	0.062	UQ	0.062	0.37	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.058	U	0.058	0.37	mg/Kg
120-83-2	2,4-Dichlorophenol	0.058	U	0.058	0.37	mg/Kg
91-20-3	Naphthalene	6.30	E	0.056	0.37	mg/Kg
106-47-8	4-Chloroaniline	0.15	U	0.15	0.37	mg/Kg
87-68-3	Hexachlorobutadiene	0.068	U	0.068	0.37	mg/Kg
105-60-2	Caprolactam	0.13	U	0.13	0.37	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.066	U	0.066	0.37	mg/Kg
91-57-6	2-Methylnaphthalene	15.9	E	0.069	0.37	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.25	U	0.25	0.37	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.068	U	0.068	0.37	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.066	U	0.066	0.37	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.12	0.37	mg/Kg
91-58-7	2-Chloronaphthalene	0.085	U	0.085	0.37	mg/Kg
88-74-4	2-Nitroaniline	0.078	U	0.078	0.37	mg/Kg
131-11-3	Dimethylphthalate	0.057	U	0.057	0.37	mg/Kg
208-96-8	Acenaphthylene	0.067	U	0.067	0.37	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.079	U	0.079	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044314.D	1	02/05/20 08:15	02/05/20 21:23	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.15	U	0.15	0.37	mg/Kg
83-32-9	Acenaphthene	0.99		0.076	0.37	mg/Kg
51-28-5	2,4-Dinitrophenol	0.098	U	0.098	0.37	mg/Kg
100-02-7	4-Nitrophenol	0.072	U	0.072	0.37	mg/Kg
132-64-9	Dibenzofuran	0.98		0.10	0.37	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.093	U	0.093	0.37	mg/Kg
84-66-2	Diethylphthalate	0.071	U	0.071	0.37	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.094	U	0.094	0.37	mg/Kg
86-73-7	Fluorene	2.10		0.057	0.37	mg/Kg
100-01-6	4-Nitroaniline	0.098	U	0.098	0.37	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.078	U	0.078	0.37	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.087	U	0.087	0.37	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.063	U	0.063	0.37	mg/Kg
118-74-1	Hexachlorobenzene	0.075	U	0.075	0.37	mg/Kg
1912-24-9	Atrazine	0.089	U	0.089	0.37	mg/Kg
87-86-5	Pentachlorophenol	0.12	U	0.12	0.37	mg/Kg
85-01-8	Phenanthrene	4.20	E	0.064	0.37	mg/Kg
120-12-7	Anthracene	0.063	U	0.063	0.37	mg/Kg
86-74-8	Carbazole	0.10	U	0.10	0.37	mg/Kg
84-74-2	Di-n-butylphthalate	0.11	U	0.11	0.37	mg/Kg
206-44-0	Fluoranthene	0.15	J	0.056	0.37	mg/Kg
129-00-0	Pyrene	0.54		0.068	0.37	mg/Kg
85-68-7	Butylbenzylphthalate	0.072	U	0.072	0.37	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.17	U	0.17	0.37	mg/Kg
56-55-3	Benzo(a)anthracene	0.042	U	0.042	0.37	mg/Kg
218-01-9	Chrysene	0.048	U	0.048	0.37	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.10	U	0.10	0.37	mg/Kg
117-84-0	Di-n-octyl phthalate	0.080	U	0.080	0.37	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.055	U	0.055	0.37	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.063	U	0.063	0.37	mg/Kg
50-32-8	Benzo(a)pyrene	0.050	U	0.050	0.37	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.081	U	0.081	0.37	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.059	U	0.059	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044314.D	1	02/05/20 08:15	02/05/20 21:23	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.069	U	0.069	0.37	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.088	U	0.088	0.37	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.047	U	0.047	0.37	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		28 - 127	99%	SPK: 150
13127-88-3	Phenol-d6	141		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	113		31 - 132	113%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.5		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.1		30 - 133	62%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		37 - 115	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86700	7.92			
1146-65-2	Naphthalene-d8	344000	10.73			
15067-26-2	Acenaphthene-d10	258000	14.59			
1517-22-2	Phenanthrene-d10	408000	17.32			
1719-03-5	Chrysene-d12	436000	21.55			
1520-96-3	Perylene-d12	520000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1DL	SDG No.:	L1390
Lab Sample ID:	L1390-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044327.D	10	02/05/20 08:15	02/06/20 17:54	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	UD	1.10	3.70	mg/Kg
108-95-2	Phenol	0.70	UD	0.70	3.70	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.20	UD	1.20	3.70	mg/Kg
95-57-8	2-Chlorophenol	0.74	UD	0.74	3.70	mg/Kg
95-48-7	2-Methylphenol	0.79	UD	0.79	3.70	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.99	UD	0.99	3.70	mg/Kg
98-86-2	Acetophenone	1.00	UD	1.00	3.70	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	UD	1.10	3.70	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.50	UD	1.50	3.70	mg/Kg
67-72-1	Hexachloroethane	0.95	UD	0.95	3.70	mg/Kg
98-95-3	Nitrobenzene	0.49	UD	0.49	3.70	mg/Kg
78-59-1	Isophorone	0.41	UD	0.41	3.70	mg/Kg
88-75-5	2-Nitrophenol	0.86	UD	0.86	3.70	mg/Kg
105-67-9	2,4-Dimethylphenol	0.62	UDQ	0.62	3.70	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.58	UD	0.58	3.70	mg/Kg
120-83-2	2,4-Dichlorophenol	0.58	UD	0.58	3.70	mg/Kg
91-20-3	Naphthalene	8.00	D	0.56	3.70	mg/Kg
106-47-8	4-Chloroaniline	1.50	UD	1.50	3.70	mg/Kg
87-68-3	Hexachlorobutadiene	0.68	UD	0.68	3.70	mg/Kg
105-60-2	Caprolactam	1.30	UD	1.30	3.70	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.66	UD	0.66	3.70	mg/Kg
91-57-6	2-Methylnaphthalene	29.5	D	0.69	3.70	mg/Kg
77-47-4	Hexachlorocyclopentadiene	2.50	UD	2.50	3.70	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.68	UD	0.68	3.70	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.66	UD	0.66	3.70	mg/Kg
92-52-4	1,1-Biphenyl	1.20	UD	1.20	3.70	mg/Kg
91-58-7	2-Chloronaphthalene	0.85	UD	0.85	3.70	mg/Kg
88-74-4	2-Nitroaniline	0.78	UD	0.78	3.70	mg/Kg
131-11-3	Dimethylphthalate	0.57	UD	0.57	3.70	mg/Kg
208-96-8	Acenaphthylene	0.67	UD	0.67	3.70	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.79	UD	0.79	3.70	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1DL	SDG No.:	L1390
Lab Sample ID:	L1390-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044327.D	10	02/05/20 08:15	02/06/20 17:54	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1.50	UD	1.50	3.70	mg/Kg
83-32-9	Acenaphthene	1.20	JD	0.76	3.70	mg/Kg
51-28-5	2,4-Dinitrophenol	0.98	UD	0.98	3.70	mg/Kg
100-02-7	4-Nitrophenol	0.72	UD	0.72	3.70	mg/Kg
132-64-9	Dibenzofuran	1.40	JD	1.00	3.70	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.93	UD	0.93	3.70	mg/Kg
84-66-2	Diethylphthalate	0.71	UD	0.71	3.70	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.94	UD	0.94	3.70	mg/Kg
86-73-7	Fluorene	2.60	JD	0.57	3.70	mg/Kg
100-01-6	4-Nitroaniline	0.98	UD	0.98	3.70	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.78	UD	0.78	3.70	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.87	UD	0.87	3.70	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.63	UD	0.63	3.70	mg/Kg
118-74-1	Hexachlorobenzene	0.75	UD	0.75	3.70	mg/Kg
1912-24-9	Atrazine	0.89	UD	0.89	3.70	mg/Kg
87-86-5	Pentachlorophenol	1.20	UD	1.20	3.70	mg/Kg
85-01-8	Phenanthrene	5.00	D	0.64	3.70	mg/Kg
120-12-7	Anthracene	0.63	UD	0.63	3.70	mg/Kg
86-74-8	Carbazole	1.00	UD	1.00	3.70	mg/Kg
84-74-2	Di-n-butylphthalate	1.10	UD	1.10	3.70	mg/Kg
206-44-0	Fluoranthene	0.55	UD	0.55	3.70	mg/Kg
129-00-0	Pyrene	0.68	UD	0.68	3.70	mg/Kg
85-68-7	Butylbenzylphthalate	0.72	UD	0.72	3.70	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.70	UD	1.70	3.70	mg/Kg
56-55-3	Benzo(a)anthracene	0.42	UD	0.42	3.70	mg/Kg
218-01-9	Chrysene	0.48	UD	0.48	3.70	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.00	UD	1.00	3.70	mg/Kg
117-84-0	Di-n-octyl phthalate	0.80	UD	0.80	3.70	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.55	UD	0.55	3.70	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.63	UD	0.63	3.70	mg/Kg
50-32-8	Benzo(a)pyrene	0.50	UD	0.50	3.70	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.81	UD	0.81	3.70	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.59	UD	0.59	3.70	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1DL	SDG No.:	L1390
Lab Sample ID:	L1390-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044327.D	10	02/05/20 08:15	02/06/20 17:54	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.69	UD	0.69	3.70	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.88	UD	0.88	3.70	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.47	UD	0.47	3.70	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	142		28 - 127	95%	SPK: 150
13127-88-3	Phenol-d6	136		34 - 127	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.4		31 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		39 - 123	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 - 133	73%	SPK: 150
1718-51-0	Terphenyl-d14	103		37 - 115	103%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	93400	7.91
1146-65-2	Naphthalene-d8	370000	10.71
15067-26-2	Acenaphthene-d10	244000	14.55
1517-22-2	Phenanthrene-d10	510000	17.3
1719-03-5	Chrysene-d12	500000	21.54
1520-96-3	Perylene-d12	561000	24.63

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2	SDG No.:	L1390
Lab Sample ID:	L1390-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044307.D	1	02/05/20 08:15	02/05/20 16:47	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.11	U	0.11	0.37	mg/Kg
108-95-2	Phenol	0.10	J	0.071	0.37	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.12	0.37	mg/Kg
95-57-8	2-Chlorophenol	0.074	U	0.074	0.37	mg/Kg
95-48-7	2-Methylphenol	0.079	U	0.079	0.37	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.100	U	0.100	0.37	mg/Kg
98-86-2	Acetophenone	0.10	U	0.10	0.37	mg/Kg
65794-96-9	3+4-Methylphenols	0.11	U	0.11	0.37	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.15	U	0.15	0.37	mg/Kg
67-72-1	Hexachloroethane	0.095	U	0.095	0.37	mg/Kg
98-95-3	Nitrobenzene	0.049	U	0.049	0.37	mg/Kg
78-59-1	Isophorone	0.041	U	0.041	0.37	mg/Kg
88-75-5	2-Nitrophenol	0.086	U	0.086	0.37	mg/Kg
105-67-9	2,4-Dimethylphenol	0.062	UQ	0.062	0.37	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.058	U	0.058	0.37	mg/Kg
120-83-2	2,4-Dichlorophenol	0.058	U	0.058	0.37	mg/Kg
91-20-3	Naphthalene	0.056	U	0.056	0.37	mg/Kg
106-47-8	4-Chloroaniline	0.16	U	0.16	0.37	mg/Kg
87-68-3	Hexachlorobutadiene	0.069	U	0.069	0.37	mg/Kg
105-60-2	Caprolactam	0.13	U	0.13	0.37	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.067	U	0.067	0.37	mg/Kg
91-57-6	2-Methylnaphthalene	0.069	U	0.069	0.37	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.25	U	0.25	0.37	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.068	U	0.068	0.37	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.067	U	0.067	0.37	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.12	0.37	mg/Kg
91-58-7	2-Chloronaphthalene	0.085	U	0.085	0.37	mg/Kg
88-74-4	2-Nitroaniline	0.078	U	0.078	0.37	mg/Kg
131-11-3	Dimethylphthalate	0.21	J	0.057	0.37	mg/Kg
208-96-8	Acenaphthylene	0.068	U	0.068	0.37	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.080	U	0.080	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-2		SDG No.:	L1390	
Lab Sample ID:	L1390-02		Matrix:	SOIL	
Analytical Method:	SW8270		% Moisture:	11.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044307.D	1	02/05/20 08:15	02/05/20 16:47	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.15	U	0.15	0.37	mg/Kg
83-32-9	Acenaphthene	0.076	U	0.076	0.37	mg/Kg
51-28-5	2,4-Dinitrophenol	0.099	U	0.099	0.37	mg/Kg
100-02-7	4-Nitrophenol	0.073	U	0.073	0.37	mg/Kg
132-64-9	Dibenzofuran	0.10	U	0.10	0.37	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.094	U	0.094	0.37	mg/Kg
84-66-2	Diethylphthalate	0.071	U	0.071	0.37	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.094	U	0.094	0.37	mg/Kg
86-73-7	Fluorene	0.057	U	0.057	0.37	mg/Kg
100-01-6	4-Nitroaniline	0.099	U	0.099	0.37	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.079	U	0.079	0.37	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.087	U	0.087	0.37	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.064	U	0.064	0.37	mg/Kg
118-74-1	Hexachlorobenzene	0.075	U	0.075	0.37	mg/Kg
1912-24-9	Atrazine	0.090	U	0.090	0.37	mg/Kg
87-86-5	Pentachlorophenol	0.12	U	0.12	0.37	mg/Kg
85-01-8	Phenanthrene	0.064	U	0.064	0.37	mg/Kg
120-12-7	Anthracene	0.063	U	0.063	0.37	mg/Kg
86-74-8	Carbazole	0.10	U	0.10	0.37	mg/Kg
84-74-2	Di-n-butylphthalate	0.11	U	0.11	0.37	mg/Kg
206-44-0	Fluoranthene	0.056	U	0.056	0.37	mg/Kg
129-00-0	Pyrene	0.069	U	0.069	0.37	mg/Kg
85-68-7	Butylbenzylphthalate	0.072	U	0.072	0.37	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.17	U	0.17	0.37	mg/Kg
56-55-3	Benzo(a)anthracene	0.042	U	0.042	0.37	mg/Kg
218-01-9	Chrysene	0.048	U	0.048	0.37	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.10	U	0.10	0.37	mg/Kg
117-84-0	Di-n-octyl phthalate	0.080	U	0.080	0.37	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.055	U	0.055	0.37	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.064	U	0.064	0.37	mg/Kg
50-32-8	Benzo(a)pyrene	0.050	U	0.050	0.37	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.082	U	0.082	0.37	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.059	U	0.059	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-2		SDG No.:	L1390	
Lab Sample ID:	L1390-02		Matrix:	SOIL	
Analytical Method:	SW8270		% Moisture:	11.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044307.D	1	02/05/20 08:15	02/05/20 16:47	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.069	U	0.069	0.37	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.088	U	0.088	0.37	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.047	U	0.047	0.37	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		28 - 127	90%	SPK: 150
13127-88-3	Phenol-d6	135		34 - 127	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.7		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		39 - 123	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 - 133	90%	SPK: 150
1718-51-0	Terphenyl-d14	77.8		37 - 115	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79800	7.92			
1146-65-2	Naphthalene-d8	334000	10.71			
15067-26-2	Acenaphthene-d10	233000	14.55			
1517-22-2	Phenanthrene-d10	547000	17.29			
1719-03-5	Chrysene-d12	501000	21.54			
1520-96-3	Perylene-d12	556000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-3		SDG No.:	L1390	
Lab Sample ID:	L1390-03		Matrix:	SOIL	
Analytical Method:	SW8270		% Moisture:	16.4	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044310.D	1	02/05/20 08:15	02/05/20 18:45	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.12	U	0.12	0.39	mg/Kg
108-95-2	Phenol	0.099	J	0.075	0.39	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.12	0.39	mg/Kg
95-57-8	2-Chlorophenol	0.079	U	0.079	0.39	mg/Kg
95-48-7	2-Methylphenol	0.084	U	0.084	0.39	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	0.11	0.39	mg/Kg
98-86-2	Acetophenone	0.11	U	0.11	0.39	mg/Kg
65794-96-9	3+4-Methylphenols	0.12	U	0.12	0.39	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.16	U	0.16	0.39	mg/Kg
67-72-1	Hexachloroethane	0.10	U	0.10	0.39	mg/Kg
98-95-3	Nitrobenzene	0.052	U	0.052	0.39	mg/Kg
78-59-1	Isophorone	0.044	U	0.044	0.39	mg/Kg
88-75-5	2-Nitrophenol	0.091	U	0.091	0.39	mg/Kg
105-67-9	2,4-Dimethylphenol	0.066	UQ	0.066	0.39	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.061	U	0.061	0.39	mg/Kg
120-83-2	2,4-Dichlorophenol	0.061	U	0.061	0.39	mg/Kg
91-20-3	Naphthalene	0.059	U	0.059	0.39	mg/Kg
106-47-8	4-Chloroaniline	0.16	U	0.16	0.39	mg/Kg
87-68-3	Hexachlorobutadiene	0.073	U	0.073	0.39	mg/Kg
105-60-2	Caprolactam	0.13	U	0.13	0.39	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.071	U	0.071	0.39	mg/Kg
91-57-6	2-Methylnaphthalene	0.073	U	0.073	0.39	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.26	U	0.26	0.39	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.072	U	0.072	0.39	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.071	U	0.071	0.39	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.12	0.39	mg/Kg
91-58-7	2-Chloronaphthalene	0.090	U	0.090	0.39	mg/Kg
88-74-4	2-Nitroaniline	0.083	U	0.083	0.39	mg/Kg
131-11-3	Dimethylphthalate	0.21	J	0.060	0.39	mg/Kg
208-96-8	Acenaphthylene	0.072	U	0.072	0.39	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.084	U	0.084	0.39	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-3	SDG No.:	L1390
Lab Sample ID:	L1390-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044310.D	1	02/05/20 08:15	02/05/20 18:45	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.15	U	0.15	0.39	mg/Kg
83-32-9	Acenaphthene	0.081	U	0.081	0.39	mg/Kg
51-28-5	2,4-Dinitrophenol	0.10	U	0.10	0.39	mg/Kg
100-02-7	4-Nitrophenol	0.077	U	0.077	0.39	mg/Kg
132-64-9	Dibenzofuran	0.11	U	0.11	0.39	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.099	U	0.099	0.39	mg/Kg
84-66-2	Diethylphthalate	0.075	U	0.075	0.39	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.100	U	0.100	0.39	mg/Kg
86-73-7	Fluorene	0.061	U	0.061	0.39	mg/Kg
100-01-6	4-Nitroaniline	0.10	U	0.10	0.39	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.083	U	0.083	0.39	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.092	U	0.092	0.39	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.067	U	0.067	0.39	mg/Kg
118-74-1	Hexachlorobenzene	0.079	U	0.079	0.39	mg/Kg
1912-24-9	Atrazine	0.095	U	0.095	0.39	mg/Kg
87-86-5	Pentachlorophenol	0.13	U	0.13	0.39	mg/Kg
85-01-8	Phenanthrene	0.068	U	0.068	0.39	mg/Kg
120-12-7	Anthracene	0.067	U	0.067	0.39	mg/Kg
86-74-8	Carbazole	0.11	U	0.11	0.39	mg/Kg
84-74-2	Di-n-butylphthalate	0.12	U	0.12	0.39	mg/Kg
206-44-0	Fluoranthene	0.059	U	0.059	0.39	mg/Kg
129-00-0	Pyrene	0.073	U	0.073	0.39	mg/Kg
85-68-7	Butylbenzylphthalate	0.076	U	0.076	0.39	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.18	U	0.18	0.39	mg/Kg
56-55-3	Benzo(a)anthracene	0.045	U	0.045	0.39	mg/Kg
218-01-9	Chrysene	0.051	U	0.051	0.39	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.11	0.39	mg/Kg
117-84-0	Di-n-octyl phthalate	0.085	U	0.085	0.39	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.058	U	0.058	0.39	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.067	U	0.067	0.39	mg/Kg
50-32-8	Benzo(a)pyrene	0.053	U	0.053	0.39	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.086	U	0.086	0.39	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.062	U	0.062	0.39	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-3	SDG No.:	L1390
Lab Sample ID:	L1390-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044310.D	1	02/05/20 08:15	02/05/20 18:45	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.073	U	0.073	0.39	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.093	U	0.093	0.39	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.050	U	0.050	0.39	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		28 - 127	78%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.5		31 - 132	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		39 - 123	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133	77%	SPK: 150
1718-51-0	Terphenyl-d14	69.7		37 - 115	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	78000	7.91			
1146-65-2	Naphthalene-d8	333000	10.72			
15067-26-2	Acenaphthene-d10	234000	14.55			
1517-22-2	Phenanthrene-d10	539000	17.3			
1719-03-5	Chrysene-d12	492000	21.54			
1520-96-3	Perylene-d12	548000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-4	SDG No.:	L1390
Lab Sample ID:	L1390-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044311.D	1	02/05/20 08:15	02/05/20 19:25	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.11	U	0.11	0.38	mg/Kg
108-95-2	Phenol	0.12	J	0.072	0.38	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.12	0.38	mg/Kg
95-57-8	2-Chlorophenol	0.076	U	0.076	0.38	mg/Kg
95-48-7	2-Methylphenol	0.080	U	0.080	0.38	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.10	U	0.10	0.38	mg/Kg
98-86-2	Acetophenone	0.11	U	0.11	0.38	mg/Kg
65794-96-9	3+4-Methylphenols	0.11	U	0.11	0.38	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.16	U	0.16	0.38	mg/Kg
67-72-1	Hexachloroethane	0.097	U	0.097	0.38	mg/Kg
98-95-3	Nitrobenzene	0.050	U	0.050	0.38	mg/Kg
78-59-1	Isophorone	0.042	U	0.042	0.38	mg/Kg
88-75-5	2-Nitrophenol	0.087	U	0.087	0.38	mg/Kg
105-67-9	2,4-Dimethylphenol	0.063	UQ	0.063	0.38	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.059	U	0.059	0.38	mg/Kg
120-83-2	2,4-Dichlorophenol	0.059	U	0.059	0.38	mg/Kg
91-20-3	Naphthalene	0.057	U	0.057	0.38	mg/Kg
106-47-8	4-Chloroaniline	0.16	U	0.16	0.38	mg/Kg
87-68-3	Hexachlorobutadiene	0.070	U	0.070	0.38	mg/Kg
105-60-2	Caprolactam	0.13	U	0.13	0.38	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.068	U	0.068	0.38	mg/Kg
91-57-6	2-Methylnaphthalene	0.071	U	0.071	0.38	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.25	U	0.25	0.38	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.069	U	0.069	0.38	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.068	U	0.068	0.38	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.12	0.38	mg/Kg
91-58-7	2-Chloronaphthalene	0.086	U	0.086	0.38	mg/Kg
88-74-4	2-Nitroaniline	0.080	U	0.080	0.38	mg/Kg
131-11-3	Dimethylphthalate	0.26	J	0.058	0.38	mg/Kg
208-96-8	Acenaphthylene	0.069	U	0.069	0.38	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.081	U	0.081	0.38	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-4		SDG No.:	L1390	
Lab Sample ID:	L1390-04		Matrix:	SOIL	
Analytical Method:	SW8270		% Moisture:	13	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044311.D	1	02/05/20 08:15	02/05/20 19:25	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.15	U	0.15	0.38	mg/Kg
83-32-9	Acenaphthene	0.078	U	0.078	0.38	mg/Kg
51-28-5	2,4-Dinitrophenol	0.10	U	0.10	0.38	mg/Kg
100-02-7	4-Nitrophenol	0.074	U	0.074	0.38	mg/Kg
132-64-9	Dibenzofuran	0.10	U	0.10	0.38	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.095	U	0.095	0.38	mg/Kg
84-66-2	Diethylphthalate	0.072	U	0.072	0.38	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.096	U	0.096	0.38	mg/Kg
86-73-7	Fluorene	0.058	U	0.058	0.38	mg/Kg
100-01-6	4-Nitroaniline	0.10	U	0.10	0.38	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.080	U	0.080	0.38	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.089	U	0.089	0.38	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.065	U	0.065	0.38	mg/Kg
118-74-1	Hexachlorobenzene	0.076	U	0.076	0.38	mg/Kg
1912-24-9	Atrazine	0.091	U	0.091	0.38	mg/Kg
87-86-5	Pentachlorophenol	0.12	U	0.12	0.38	mg/Kg
85-01-8	Phenanthrene	0.065	U	0.065	0.38	mg/Kg
120-12-7	Anthracene	0.064	U	0.064	0.38	mg/Kg
86-74-8	Carbazole	0.10	U	0.10	0.38	mg/Kg
84-74-2	Di-n-butylphthalate	0.11	U	0.11	0.38	mg/Kg
206-44-0	Fluoranthene	0.057	U	0.057	0.38	mg/Kg
129-00-0	Pyrene	0.070	U	0.070	0.38	mg/Kg
85-68-7	Butylbenzylphthalate	0.073	U	0.073	0.38	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.17	U	0.17	0.38	mg/Kg
56-55-3	Benzo(a)anthracene	0.043	U	0.043	0.38	mg/Kg
218-01-9	Chrysene	0.049	U	0.049	0.38	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.11	0.38	mg/Kg
117-84-0	Di-n-octyl phthalate	0.082	U	0.082	0.38	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.056	U	0.056	0.38	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.065	U	0.065	0.38	mg/Kg
50-32-8	Benzo(a)pyrene	0.051	U	0.051	0.38	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.083	U	0.083	0.38	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.060	U	0.060	0.38	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-4	SDG No.:	L1390
Lab Sample ID:	L1390-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044311.D	1	02/05/20 08:15	02/05/20 19:25	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.070	U	0.070	0.38	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.090	U	0.090	0.38	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.048	U	0.048	0.38	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	149		28 - 127	100%	SPK: 150
13127-88-3	Phenol-d6	149		34 - 127	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.2		31 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.0		39 - 123	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		30 - 133	101%	SPK: 150
1718-51-0	Terphenyl-d14	84.8		37 - 115	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83400	7.91			
1146-65-2	Naphthalene-d8	342000	10.72			
15067-26-2	Acenaphthene-d10	234000	14.55			
1517-22-2	Phenanthrene-d10	549000	17.3			
1719-03-5	Chrysene-d12	504000	21.54			
1520-96-3	Perylene-d12	555000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044315.D	1	02/05/20 08:15	02/05/20 22:02	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.12	U	0.12	0.41	mg/Kg
108-95-2	Phenol	0.14	J	0.078	0.41	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.13	U	0.13	0.41	mg/Kg
95-57-8	2-Chlorophenol	0.082	U	0.082	0.41	mg/Kg
95-48-7	2-Methylphenol	0.087	U	0.087	0.41	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	0.11	0.41	mg/Kg
98-86-2	Acetophenone	0.12	U	0.12	0.41	mg/Kg
65794-96-9	3+4-Methylphenols	0.12	U	0.12	0.41	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.17	U	0.17	0.41	mg/Kg
67-72-1	Hexachloroethane	0.10	U	0.10	0.41	mg/Kg
98-95-3	Nitrobenzene	0.054	U	0.054	0.41	mg/Kg
78-59-1	Isophorone	0.046	U	0.046	0.41	mg/Kg
88-75-5	2-Nitrophenol	0.095	U	0.095	0.41	mg/Kg
105-67-9	2,4-Dimethylphenol	0.068	UQ	0.068	0.41	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.064	U	0.064	0.41	mg/Kg
120-83-2	2,4-Dichlorophenol	0.064	U	0.064	0.41	mg/Kg
91-20-3	Naphthalene	0.062	U	0.062	0.41	mg/Kg
106-47-8	4-Chloroaniline	0.17	U	0.17	0.41	mg/Kg
87-68-3	Hexachlorobutadiene	0.075	U	0.075	0.41	mg/Kg
105-60-2	Caprolactam	0.14	U	0.14	0.41	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.073	U	0.073	0.41	mg/Kg
91-57-6	2-Methylnaphthalene	0.076	U	0.076	0.41	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.27	U	0.27	0.41	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.075	U	0.075	0.41	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.073	U	0.073	0.41	mg/Kg
92-52-4	1,1-Biphenyl	0.13	U	0.13	0.41	mg/Kg
91-58-7	2-Chloronaphthalene	0.094	U	0.094	0.41	mg/Kg
88-74-4	2-Nitroaniline	0.086	U	0.086	0.41	mg/Kg
131-11-3	Dimethylphthalate	0.39	J	0.063	0.41	mg/Kg
208-96-8	Acenaphthylene	0.074	U	0.074	0.41	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.088	U	0.088	0.41	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044315.D	1	02/05/20 08:15	02/05/20 22:02	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.16	U	0.16	0.41	mg/Kg
83-32-9	Acenaphthene	0.084	U	0.084	0.41	mg/Kg
51-28-5	2,4-Dinitrophenol	0.11	U	0.11	0.41	mg/Kg
100-02-7	4-Nitrophenol	0.080	U	0.080	0.41	mg/Kg
132-64-9	Dibenzofuran	0.11	U	0.11	0.41	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.10	U	0.10	0.41	mg/Kg
84-66-2	Diethylphthalate	0.078	U	0.078	0.41	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.10	U	0.10	0.41	mg/Kg
86-73-7	Fluorene	0.063	U	0.063	0.41	mg/Kg
100-01-6	4-Nitroaniline	0.11	U	0.11	0.41	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.087	U	0.087	0.41	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.096	U	0.096	0.41	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.070	U	0.070	0.41	mg/Kg
118-74-1	Hexachlorobenzene	0.083	U	0.083	0.41	mg/Kg
1912-24-9	Atrazine	0.099	U	0.099	0.41	mg/Kg
87-86-5	Pentachlorophenol	0.13	U	0.13	0.41	mg/Kg
85-01-8	Phenanthrene	0.071	U	0.071	0.41	mg/Kg
120-12-7	Anthracene	0.069	U	0.069	0.41	mg/Kg
86-74-8	Carbazole	0.11	U	0.11	0.41	mg/Kg
84-74-2	Di-n-butylphthalate	0.12	U	0.12	0.41	mg/Kg
206-44-0	Fluoranthene	0.061	U	0.061	0.41	mg/Kg
129-00-0	Pyrene	0.076	U	0.076	0.41	mg/Kg
85-68-7	Butylbenzylphthalate	0.079	U	0.079	0.41	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.18	U	0.18	0.41	mg/Kg
56-55-3	Benzo(a)anthracene	0.047	U	0.047	0.41	mg/Kg
218-01-9	Chrysene	0.053	U	0.053	0.41	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.11	0.41	mg/Kg
117-84-0	Di-n-octyl phthalate	0.088	U	0.088	0.41	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.060	U	0.060	0.41	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.070	U	0.070	0.41	mg/Kg
50-32-8	Benzo(a)pyrene	0.055	U	0.055	0.41	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.090	U	0.090	0.41	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.065	U	0.065	0.41	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-5		SDG No.:	L1390	
Lab Sample ID:	L1390-05		Matrix:	SOIL	
Analytical Method:	SW8270		% Moisture:	19.5	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044315.D	1	02/05/20 08:15	02/05/20 22:02	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.076	U	0.076	0.41	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.097	U	0.097	0.41	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.052	U	0.052	0.41	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	156		28 - 127	104%	SPK: 150
13127-88-3	Phenol-d6	155		34 - 127	103%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.5		31 - 132	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		39 - 123	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		30 - 133	106%	SPK: 150
1718-51-0	Terphenyl-d14	91.7		37 - 115	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81200	7.91			
1146-65-2	Naphthalene-d8	328000	10.71			
15067-26-2	Acenaphthene-d10	223000	14.55			
1517-22-2	Phenanthrene-d10	527000	17.29			
1719-03-5	Chrysene-d12	476000	21.54			
1520-96-3	Perylene-d12	528000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-5-WS		SDG No.:	L1390	
Lab Sample ID:	L1390-08		Matrix:	Water	
Analytical Method:	SW8270		% Moisture:	100	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF118829.D	1	02/05/20 08:15	02/05/20 15:01	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	2.90	U	2.90	10.0	ug/L
108-95-2	Phenol	2.70	J	2.20	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	3.40	U	3.40	10.0	ug/L
95-57-8	2-Chlorophenol	2.50	U	2.50	10.0	ug/L
95-48-7	2-Methylphenol	2.80	U	2.80	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	3.00	U	3.00	10.0	ug/L
98-86-2	Acetophenone	3.20	U	3.20	10.0	ug/L
65794-96-9	3+4-Methylphenols	3.40	UQ	3.40	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	4.70	U	4.70	10.0	ug/L
67-72-1	Hexachloroethane	2.90	U	2.90	10.0	ug/L
98-95-3	Nitrobenzene	2.60	U	2.60	10.0	ug/L
78-59-1	Isophorone	2.20	U	2.20	10.0	ug/L
88-75-5	2-Nitrophenol	3.60	U	3.60	10.0	ug/L
105-67-9	2,4-Dimethylphenol	2.80	U	2.80	10.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.50	U	2.50	10.0	ug/L
120-83-2	2,4-Dichlorophenol	2.30	U	2.30	10.0	ug/L
91-20-3	Naphthalene	2.50	U	2.50	10.0	ug/L
106-47-8	4-Chloroaniline	4.50	U	4.50	10.0	ug/L
87-68-3	Hexachlorobutadiene	3.20	U	3.20	10.0	ug/L
105-60-2	Caprolactam	3.40	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	2.50	U	2.50	10.0	ug/L
91-57-6	2-Methylnaphthalene	2.50	U	2.50	10.0	ug/L
77-47-4	Hexachlorocyclopentadiene	7.60	U	7.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	2.80	U	2.80	10.0	ug/L
95-95-4	2,4,5-Trichlorophenol	2.80	U	2.80	10.0	ug/L
92-52-4	1,1-Biphenyl	3.30	U	3.30	10.0	ug/L
91-58-7	2-Chloronaphthalene	3.00	U	3.00	10.0	ug/L
88-74-4	2-Nitroaniline	3.10	U	3.10	10.0	ug/L
131-11-3	Dimethylphthalate	8.60	JB	2.70	10.0	ug/L
208-96-8	Acenaphthylene	2.70	U	2.70	10.0	ug/L
606-20-2	2,6-Dinitrotoluene	3.10	U	3.10	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5-WS	SDG No.:	L1390
Lab Sample ID:	L1390-08	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF118829.D	1	02/05/20 08:15	02/05/20 15:01	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	4.20	U	4.20	10.0	ug/L
83-32-9	Acenaphthene	2.80	U	2.80	10.0	ug/L
51-28-5	2,4-Dinitrophenol	4.20	U	4.20	10.0	ug/L
100-02-7	4-Nitrophenol	3.40	U	3.40	10.0	ug/L
132-64-9	Dibenzofuran	3.20	U	3.20	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	3.10	U	3.10	10.0	ug/L
84-66-2	Diethylphthalate	2.90	U	2.90	10.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	3.30	U	3.30	10.0	ug/L
86-73-7	Fluorene	2.50	U	2.50	10.0	ug/L
100-01-6	4-Nitroaniline	3.40	U	3.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.50	U	3.50	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	2.90	U	2.90	10.0	ug/L
101-55-3	4-Bromophenyl-phenylether	2.60	U	2.60	10.0	ug/L
118-74-1	Hexachlorobenzene	2.70	U	2.70	10.0	ug/L
1912-24-9	Atrazine	2.90	U	2.90	10.0	ug/L
87-86-5	Pentachlorophenol	4.30	U	4.30	10.0	ug/L
85-01-8	Phenanthrene	2.50	U	2.50	10.0	ug/L
120-12-7	Anthracene	2.50	U	2.50	10.0	ug/L
86-74-8	Carbazole	3.20	U	3.20	10.0	ug/L
84-74-2	Di-n-butylphthalate	3.70	U	3.70	10.0	ug/L
206-44-0	Fluoranthene	2.90	U	2.90	10.0	ug/L
129-00-0	Pyrene	2.50	U	2.50	10.0	ug/L
85-68-7	Butylbenzylphthalate	3.10	U	3.10	10.0	ug/L
91-94-1	3,3-Dichlorobenzidine	5.00	U	5.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	2.30	U	2.30	10.0	ug/L
218-01-9	Chrysene	2.40	U	2.40	10.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.60	U	3.60	10.0	ug/L
117-84-0	Di-n-octyl phthalate	3.30	U	3.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	2.30	U	2.30	10.0	ug/L
207-08-9	Benzo(k)fluoranthene	2.30	U	2.30	10.0	ug/L
50-32-8	Benzo(a)pyrene	2.40	U	2.40	10.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.30	U	3.30	10.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.60	U	2.60	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5-WS	SDG No.:	L1390
Lab Sample ID:	L1390-08	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF118829.D	1	02/05/20 08:15	02/05/20 15:01	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.60	U	2.60	10.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	3.10	U	3.10	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.60	U	2.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	86.4		10 - 130	58%	SPK: 150
13127-88-3	Phenol-d6	55.4		10 - 130	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.0		36 - 131	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		39 - 131	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		25 - 155	91%	SPK: 150
1718-51-0	Terphenyl-d14	95.7		23 - 130	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	210000	6.81			
1146-65-2	Naphthalene-d8	794000	8.09			
15067-26-2	Acenaphthene-d10	421000	9.85			
1517-22-2	Phenanthrene-d10	799000	11.33			
1719-03-5	Chrysene-d12	595000	13.96			
1520-96-3	Perylene-d12	662000	15.41			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
L1390-01	SB-1	2-Fluorophenol	150	148	99		28	127
		Phenol-d6	150	141	94		34	127
		Nitrobenzene-d5	100	113	113		31	132
		2-Fluorobiphenyl	100	78.5	79		39	123
		2,4,6-Tribromophenol	150	93.1	62		30	133
		Terphenyl-d14	100	82.8	83		37	115
L1390-01DL	SB-1DL	2-Fluorophenol	150	142	95		28	127
		Phenol-d6	150	136	91		34	127
		Nitrobenzene-d5	100	93.4	93		31	132
		2-Fluorobiphenyl	100	106	106		39	123
		2,4,6-Tribromophenol	150	109	73		30	133
		Terphenyl-d14	100	103	103		37	115
L1390-02	SB-2	2-Fluorophenol	150	135	90		28	127
		Phenol-d6	150	135	90		34	127
		Nitrobenzene-d5	100	83.7	84		31	132
		2-Fluorobiphenyl	100	81.7	82		39	123
		2,4,6-Tribromophenol	150	134	90		30	133
		Terphenyl-d14	100	77.8	78		37	115
L1390-02MS	SB-2MS	2-Fluorophenol	150	126	84		28	127
		Phenol-d6	150	127	85		34	127
		Nitrobenzene-d5	100	73.1	73		31	132
		2-Fluorobiphenyl	100	71.7	72		39	123
		2,4,6-Tribromophenol	150	116	78		30	133
		Terphenyl-d14	100	71.8	72		37	115
L1390-02MSD	SB-2MSD	2-Fluorophenol	150	115	76		28	127
		Phenol-d6	150	116	77		34	127
		Nitrobenzene-d5	100	64.1	64		31	132
		2-Fluorobiphenyl	100	62.9	63		39	123
		2,4,6-Tribromophenol	150	107	71		30	133
		Terphenyl-d14	100	64.9	65		37	115
L1390-03	SB-3	2-Fluorophenol	150	118	78		28	127
		Phenol-d6	150	120	80		34	127
		Nitrobenzene-d5	100	72.5	73		31	132
		2-Fluorobiphenyl	100	71.9	72		39	123
		2,4,6-Tribromophenol	150	116	77		30	133
		Terphenyl-d14	100	69.7	70		37	115
L1390-04	SB-4	2-Fluorophenol	150	149	100		28	127
		Phenol-d6	150	149	99		34	127
		Nitrobenzene-d5	100	94.2	94		31	132
		2-Fluorobiphenyl	100	91.0	91		39	123
		2,4,6-Tribromophenol	150	151	101		30	133
		Terphenyl-d14	100	84.8	85		37	115
L1390-05	SB-5	2-Fluorophenol	150	156	104		28	127
		Phenol-d6	150	155	103		34	127
		Nitrobenzene-d5	100	99.5	99		31	132
		2-Fluorobiphenyl	100	100	100		39	123
		2,4,6-Tribromophenol	150	159	106		30	133
		Terphenyl-d14	100	91.7	92		37	115
PB126599BL	PB126599BL	2-Fluorophenol	150	135	90		28	127
		Phenol-d6	150	133	89		34	127
		Nitrobenzene-d5	100	81.7	82		31	132
		2-Fluorobiphenyl	100	81.5	81		39	123

Surrogate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB126599BL	PB126599BL	2,4,6-Tribromophenol	150	131	87		30	133
		Terphenyl-d14	100	80.7	81		37	115
PB126599BS	PB126599BS	2-Fluorophenol	150	130	87		28	127
		Phenol-d6	150	130	87		34	127
		Nitrobenzene-d5	100	68.9	69		31	132
		2-Fluorobiphenyl	100	67.2	67		39	123
		2,4,6-Tribromophenol	150	129	86		30	133
		Terphenyl-d14	100	66.7	67		37	115

Surrogate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
L1390-08	SB-5-WS	2-Fluorophenol	150	86.4	58		10	130
		Phenol-d6	150	55.4	37		10	130
		Nitrobenzene-d5	100	90.0	90		36	131
		2-Fluorobiphenyl	100	100	100		39	131
		2,4,6-Tribromophenol	150	136	91		25	155
		Terphenyl-d14	100	95.7	96		23	130
PB126601BL	PB126601BL	2-Fluorophenol	150	97.5	65		10	130
		Phenol-d6	150	61.4	41		10	130
		Nitrobenzene-d5	100	90.2	90		36	131
		2-Fluorobiphenyl	100	90.4	90		39	131
		2,4,6-Tribromophenol	150	140	93		25	155
		Terphenyl-d14	100	87.3	87		23	130
PB126601BS	PB126601BS	2-Fluorophenol	150	125	84		10	130
		Phenol-d6	150	126	84		10	130
		Nitrobenzene-d5	100	66.4	66		36	131
		2-Fluorobiphenyl	100	67.3	67		39	131
		2,4,6-Tribromophenol	150	123	82		25	155
		Terphenyl-d14	100	67.0	67		23	130
PB126601BSD	PB126601BSD	2-Fluorophenol	150	126	84		10	130
		Phenol-d6	150	126	84		10	130
		Nitrobenzene-d5	100	64.6	65		36	131
		2-Fluorobiphenyl	100	67.1	67		39	131
		2,4,6-Tribromophenol	150	123	82		25	155
		Terphenyl-d14	100	64.4	64		23	130

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **L1390**

Client: **ATC Group Services LLC**

Analytical Method: **SW8270D**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	L1390-02MS	Client Sample ID:	SB-2MS					DataFile:	BG044308.D		
Benzaldehyde	1900	0	1300	ug/Kg	68				10	105	
Phenol	1900	100	2200	ug/Kg	111				40	115	
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89				48	110	
2-Chlorophenol	1900	0	2100	ug/Kg	111				39	115	
2-Methylphenol	1900	0	2100	ug/Kg	111				48	111	
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89				43	116	
Acetophenone	1900	0	1600	ug/Kg	84				46	122	
3+4-Methylphenols	1900	0	2100	ug/Kg	111				46	115	
N-Nitroso-di-n-propylamine	1900	0	1800	ug/Kg	95				37	128	
Hexachloroethane	1900	0	1700	ug/Kg	89				37	117	
Nitrobenzene	1900	0	1700	ug/Kg	89				45	117	
Isophorone	1900	0	1800	ug/Kg	95				44	121	
2-Nitrophenol	1900	0	1900	ug/Kg	100				32	123	
2,4-Dimethylphenol	1900	0	2300	ug/Kg	121	*			45	118	
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89				47	117	
2,4-Dichlorophenol	1900	0	2000	ug/Kg	105				37	122	
Naphthalene	1900	0	1700	ug/Kg	89				42	121	
4-Chloroaniline	1900	0	340	ug/Kg	18				10	130	
Hexachlorobutadiene	1900	0	1500	ug/Kg	79				49	111	
Caprolactam	1900	0	2100	ug/Kg	111				26	133	
4-Chloro-3-methylphenol	1900	0	2000	ug/Kg	105				46	115	
2-Methylnaphthalene	1900	0	1800	ug/Kg	95				45	118	
Hexachlorocyclopentadiene	3800	0	3600	ug/Kg	95				10	127	
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95				36	122	
2,4,5-Trichlorophenol	1900	0	1900	ug/Kg	100				33	125	
1,1-Biphenyl	1900	0	1600	ug/Kg	84				47	119	
2-Chloronaphthalene	1900	0	1600	ug/Kg	84				52	110	
2-Nitroaniline	1900	0	1700	ug/Kg	89				45	121	
Dimethylphthalate	1900	210	1900	ug/Kg	89				39	127	
Acenaphthylene	1900	0	1800	ug/Kg	95				45	117	
2,6-Dinitrotoluene	1900	0	1800	ug/Kg	95				50	114	
3-Nitroaniline	1900	0	570	ug/Kg	30				12	108	
Acenaphthene	1900	0	1700	ug/Kg	89				45	118	
2,4-Dinitrophenol	3800	0	3400	ug/Kg	89				10	126	
4-Nitrophenol	3800	0	4100	ug/Kg	108				18	141	
Dibenzofuran	1900	0	1800	ug/Kg	95				45	118	
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95				44	120	
Diethylphthalate	1900	0	1700	ug/Kg	89				50	113	
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89				51	111	
Fluorene	1900	0	1800	ug/Kg	95				41	121	
4-Nitroaniline	1900	0	1600	ug/Kg	84				38	113	
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105				10	142	
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95				45	122	
4-Bromophenyl-phenylether	1900	0	1700	ug/Kg	89				51	114	
Hexachlorobenzene	1900	0	1700	ug/Kg	89				48	114	
Atrazine	1900	0	2000	ug/Kg	105				40	129	
Pentachlorophenol	3800	0	3700	ug/Kg	97				15	145	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8270D

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Limits		RPD
		Result				Qual		Qual	Low	High	
Phenanthrene	1900	0	1700	ug/Kg	89				29	138	
Anthracene	1900	0	1800	ug/Kg	95				45	120	
Carbazole	1900	0	1700	ug/Kg	89				43	122	
Di-n-butylphthalate	1900	0	1700	ug/Kg	89				51	115	
Fluoranthene	1900	0	1700	ug/Kg	89				33	133	
Pyrene	1900	0	1700	ug/Kg	89				31	135	
Butylbenzylphthalate	1900	0	1800	ug/Kg	95				49	121	
3,3-Dichlorobenzidine	1900	0	940	ug/Kg	49				10	105	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				35	132	
Chrysene	1900	0	1700	ug/Kg	89				34	131	
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95				42	127	
Di-n-octyl phthalate	1900	0	1800	ug/Kg	95				50	123	
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89				35	128	
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95				39	117	
Benzo(a)pyrene	1900	0	1700	ug/Kg	89				35	129	
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95				30	140	
Dibenz(a,h)anthracene	1900	0	1800	ug/Kg	95				18	147	
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95				31	132	
1,2,4,5-Tetrachlorobenzene	1900	0	1500	ug/Kg	79				52	122	
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100				52	109	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **L1390**

Client: **ATC Group Services LLC**

Analytical Method: **SW8270D**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	L1390-02MSD	Client Sample ID:	SB-2MSD					DataFile:	BG044309.D		
Benzaldehyde	1900	0	1300	ug/Kg	68		0		10	105	20
Phenol	1900	100	2200	ug/Kg	111		0		40	115	20
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		0		48	110	20
2-Chlorophenol	1900	0	2100	ug/Kg	111		0		39	115	20
2-Methylphenol	1900	0	2100	ug/Kg	111		0		48	111	20
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84		6		43	116	20
Acetophenone	1900	0	1500	ug/Kg	79		6		46	122	20
3+4-Methylphenols	1900	0	2100	ug/Kg	111		0		46	115	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		7		37	128	20
Hexachloroethane	1900	0	1600	ug/Kg	84		6		37	117	20
Nitrobenzene	1900	0	1600	ug/Kg	84		6		45	117	20
Isophorone	1900	0	1700	ug/Kg	89		7		44	121	20
2-Nitrophenol	1900	0	1800	ug/Kg	95		5		32	123	20
2,4-Dimethylphenol	1900	0	2200	ug/Kg	116		4		45	118	20
bis(2-Chloroethoxy)methane	1900	0	1600	ug/Kg	84		6		47	117	20
2,4-Dichlorophenol	1900	0	1900	ug/Kg	100		5		37	122	20
Naphthalene	1900	0	1700	ug/Kg	89		0		42	121	20
4-Chloroaniline	1900	0	370	ug/Kg	19		5		10	130	20
Hexachlorobutadiene	1900	0	1400	ug/Kg	74		7		49	111	20
Caprolactam	1900	0	2100	ug/Kg	111		0		26	133	20
4-Chloro-3-methylphenol	1900	0	2100	ug/Kg	111		6		46	115	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89		7		45	118	20
Hexachlorocyclopentadiene	3800	0	3300	ug/Kg	87		9		10	127	20
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95		0		36	122	20
2,4,5-Trichlorophenol	1900	0	1900	ug/Kg	100		0		33	125	20
1,1-Biphenyl	1900	0	1600	ug/Kg	84		0		47	119	20
2-Chloronaphthalene	1900	0	1600	ug/Kg	84		0		52	110	20
2-Nitroaniline	1900	0	1700	ug/Kg	89		0		45	121	20
Dimethylphthalate	1900	210	1800	ug/Kg	84		6		39	127	20
Acenaphthylene	1900	0	1700	ug/Kg	89		7		45	117	20
2,6-Dinitrotoluene	1900	0	1800	ug/Kg	95		0		50	114	20
3-Nitroaniline	1900	0	550	ug/Kg	29		3		12	108	20
Acenaphthene	1900	0	1700	ug/Kg	89		0		45	118	20
2,4-Dinitrophenol	3800	0	3500	ug/Kg	92		3		10	126	20
4-Nitrophenol	3800	0	4100	ug/Kg	108		0		18	141	20
Dibenzofuran	1900	0	1700	ug/Kg	89		7		45	118	20
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95		0		44	120	20
Diethylphthalate	1900	0	1700	ug/Kg	89		0		50	113	20
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89		0		51	111	20
Fluorene	1900	0	1800	ug/Kg	95		0		41	121	20
4-Nitroaniline	1900	0	1600	ug/Kg	84		0		38	113	20
4,6-Dinitro-2-methylphenol	1900	0	1900	ug/Kg	100		5		10	142	20
N-Nitrosodiphenylamine	1900	0	1700	ug/Kg	89		7		45	122	20
4-Bromophenyl-phenylether	1900	0	1600	ug/Kg	84		6		51	114	20
Hexachlorobenzene	1900	0	1500	ug/Kg	79		12		48	114	20
Atrazine	1900	0	1900	ug/Kg	100		5		40	129	20
Pentachlorophenol	3800	0	3500	ug/Kg	92		5		15	145	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: SW8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
Phenanthrene	1900	0	1700	ug/Kg	89		0		29	138	20
Anthracene	1900	0	1700	ug/Kg	89		7		45	120	20
Carbazole	1900	0	1700	ug/Kg	89		0		43	122	20
Di-n-butylphthalate	1900	0	1700	ug/Kg	89		0		51	115	20
Fluoranthene	1900	0	1700	ug/Kg	89		0		33	133	20
Pyrene	1900	0	1700	ug/Kg	89		0		31	135	20
Butylbenzylphthalate	1900	0	1700	ug/Kg	89		7		49	121	20
3,3-Dichlorobenzidine	1900	0	950	ug/Kg	50		2		10	105	20
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		35	132	20
Chrysene	1900	0	1700	ug/Kg	89		0		34	131	20
bis(2-Ethylhexyl)phthalate	1900	0	1700	ug/Kg	89		7		42	127	20
Di-n-octyl phthalate	1900	0	1700	ug/Kg	89		7		50	123	20
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89		0		35	128	20
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		7		39	117	20
Benzo(a)pyrene	1900	0	1600	ug/Kg	84		6		35	129	20
Indeno(1,2,3-cd)pyrene	1900	0	1700	ug/Kg	89		7		30	140	20
Dibenz(a,h)anthracene	1900	0	1700	ug/Kg	89		7		18	147	20
Benzo(g,h,i)perylene	1900	0	1700	ug/Kg	89		7		31	132	20
1,2,4,5-Tetrachlorobenzene	1900	0	1400	ug/Kg	74		7		52	122	20
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100		0		52	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

DataFile: BG044302.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB126599BS	Benzaldehyde	1700	1000	ug/Kg	59				10	95		
	Phenol	1700	1600	ug/Kg	94				51	101		
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				55	99		
	2-Chlorophenol	1700	1500	ug/Kg	88				53	100		
	2-Methylphenol	1700	1600	ug/Kg	94				49	105		
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				52	104		
	Acetophenone	1700	1300	ug/Kg	76				50	111		
	3+4-Methylphenols	1700	1600	ug/Kg	94				52	102		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				51	104		
	Hexachloroethane	1700	1300	ug/Kg	76				54	97		
	Nitrobenzene	1700	1300	ug/Kg	76				51	104		
	Isophorone	1700	1400	ug/Kg	82				55	101		
	2-Nitrophenol	1700	1400	ug/Kg	82				52	105		
	2,4-Dimethylphenol	1700	1800	ug/Kg	106		*		53	103		
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				55	101		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				54	103		
	Naphthalene	1700	1400	ug/Kg	82				53	103		
	4-Chloroaniline	1700	810	ug/Kg	48				10	130		
	Hexachlorobutadiene	1700	1200	ug/Kg	71				50	106		
	Caprolactam	1700	1700	ug/Kg	100				49	106		
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				55	101		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				55	102		
	Hexachlorocyclopentadiene	3300	2400	ug/Kg	73				38	122		
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				56	103		
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				56	103		
	1,1-Biphenyl	1700	1300	ug/Kg	76				56	107		
	2-Chloronaphthalene	1700	1300	ug/Kg	76				56	102		
	2-Nitroaniline	1700	1400	ug/Kg	82				54	103		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	111		
	Acenaphthylene	1700	1400	ug/Kg	82				57	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				59	100		
	3-Nitroaniline	1700	990	ug/Kg	58				10	130		
	Acenaphthene	1700	1300	ug/Kg	76				57	102		
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				32	114		
	4-Nitrophenol	3300	3400	ug/Kg	103				48	114		
	Dibenzofuran	1700	1400	ug/Kg	82				57	100		
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				58	102		
	Diethylphthalate	1700	1400	ug/Kg	82				56	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				57	101		
	Fluorene	1700	1400	ug/Kg	82				57	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				49	99		
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				44	119		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				57	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				57	105		
	Hexachlorobenzene	1700	1300	ug/Kg	76				54	106		
	Atrazine	1700	1500	ug/Kg	88				50	113		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

DataFile: BG044302.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB126599BS	Pentachlorophenol	3300	2800	ug/Kg	85				49	116		
	Phenanthrene	1700	1400	ug/Kg	82				58	101		
	Anthracene	1700	1400	ug/Kg	82				57	102		
	Carbazole	1700	1400	ug/Kg	82				57	102		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				57	103		
	Fluoranthene	1700	1400	ug/Kg	82				56	102		
	Pyrene	1700	1400	ug/Kg	82				56	106		
	Butylbenzylphthalate	1700	1300	ug/Kg	76				57	106		
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				10	92		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				56	103		
	Chrysene	1700	1400	ug/Kg	82				58	102		
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				57	106		
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				56	107		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				56	103		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				55	102		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				57	103		
	Indeno(1,2,3-cd)pyrene	1700	1300	ug/Kg	76				50	113		
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				52	119		
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				56	105		
	1,2,4,5-Tetrachlorobenzene	1700	1200	ug/Kg	71				33	136		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				47	120		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

DataFile: BG044357.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB126601BS	Benzaldehyde	50	29.2	ug/L	58				10	109		
	Phenol	50	46.7	ug/L	93				10	130		
	bis(2-Chloroethyl)ether	50	40.8	ug/L	82				46	116		
	2-Chlorophenol	50	45.8	ug/L	92				40	105		
	2-Methylphenol	50	46.0	ug/L	92				32	94		
	2,2-oxybis(1-Chloropropane)	50	38.4	ug/L	77				60	113		
	Acetophenone	50	37.9	ug/L	76				64	120		
	3+4-Methylphenols	50	45.8	ug/L	92		*		24	91		
	N-Nitroso-di-n-propylamine	50	40.7	ug/L	81				61	115		
	Hexachloroethane	50	37.9	ug/L	76				52	104		
	Nitrobenzene	50	39.8	ug/L	80				49	120		
	Isophorone	50	41.2	ug/L	82				65	114		
	2-Nitrophenol	50	42.4	ug/L	85				57	116		
	2,4-Dimethylphenol	50	52.5	ug/L	105				43	108		
	bis(2-Chloroethoxy)methane	50	39.3	ug/L	79				65	111		
	2,4-Dichlorophenol	50	45.0	ug/L	90				49	113		
	Naphthalene	50	41.1	ug/L	82				61	107		
	4-Chloroaniline	50	22.3	ug/L	45				10	93		
	Hexachlorobutadiene	50	37.1	ug/L	74				35	120		
	Caprolactam	50	46.9	ug/L	94				10	130		
	4-Chloro-3-methylphenol	50	45.3	ug/L	91				51	109		
	2-Methylnaphthalene	50	42.5	ug/L	85				63	110		
	Hexachlorocyclopentadiene	100	91.8	ug/L	92				42	121		
	2,4,6-Trichlorophenol	50	40.0	ug/L	80				62	114		
	2,4,5-Trichlorophenol	50	43.8	ug/L	88				58	116		
	1,1-Biphenyl	50	38.2	ug/L	76				65	117		
	2-Chloronaphthalene	50	37.6	ug/L	75				65	111		
	2-Nitroaniline	50	38.6	ug/L	77				63	119		
	Dimethylphthalate	50	40.8	ug/L	82				68	112		
	Acenaphthylene	50	41.5	ug/L	83				65	110		
	2,6-Dinitrotoluene	50	41.6	ug/L	83				68	115		
	3-Nitroaniline	50	26.7	ug/L	53				16	104		
	Acenaphthene	50	39.3	ug/L	79				66	114		
	2,4-Dinitrophenol	100	82.3	ug/L	82				35	129		
	4-Nitrophenol	100	100	ug/L	100				10	130		
	Dibenzofuran	50	41.3	ug/L	83				66	111		
	2,4-Dinitrotoluene	50	42.9	ug/L	86				65	119		
	Diethylphthalate	50	42.5	ug/L	85				66	116		
	4-Chlorophenyl-phenylether	50	40.4	ug/L	81				66	113		
	Fluorene	50	42.4	ug/L	85				66	112		
	4-Nitroaniline	50	40.8	ug/L	82				53	115		
	4,6-Dinitro-2-methylphenol	50	44.9	ug/L	90				47	137		
	N-Nitrosodiphenylamine	50	39.1	ug/L	78				65	116		
	4-Bromophenyl-phenylether	50	37.4	ug/L	75				66	119		
	Hexachlorobenzene	50	36.5	ug/L	73				57	121		
	Atrazine	50	46.5	ug/L	93				53	130		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

DataFile: BG044357.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB126601BS	Pentachlorophenol	100	82.3	ug/L	82				51	128	
	Phenanthrene	50	40.8	ug/L	82				68	112	
	Anthracene	50	42.7	ug/L	85				69	112	
	Carbazole	50	42.7	ug/L	85				65	115	
	Di-n-butylphthalate	50	43.0	ug/L	86				67	117	
	Fluoranthene	50	43.9	ug/L	88				67	115	
	Pyrene	50	40.5	ug/L	81				67	116	
	Butylbenzylphthalate	50	38.0	ug/L	76				66	121	
	3,3-Dichlorobenzidine	50	29.2	ug/L	58				13	119	
	Benzo(a)anthracene	50	40.3	ug/L	81				64	117	
	Chrysene	50	39.7	ug/L	79				65	116	
	bis(2-Ethylhexyl)phthalate	50	39.2	ug/L	78				61	123	
	Di-n-octyl phthalate	50	39.7	ug/L	79				63	123	
	Benzo(b)fluoranthene	50	40.6	ug/L	81				62	122	
	Benzo(k)fluoranthene	50	41.4	ug/L	83				60	123	
	Benzo(a)pyrene	50	40.0	ug/L	80				65	118	
	Indeno(1,2,3-cd)pyrene	50	39.3	ug/L	79				50	133	
	Dibenz(a,h)anthracene	50	41.7	ug/L	83				45	150	
	Benzo(g,h,i)perylene	50	42.5	ug/L	85				64	123	
	1,2,4,5-Tetrachlorobenzene	50	35.5	ug/L	71				60	105	
	2,3,4,6-Tetrachlorophenol	50	44.9	ug/L	90				66	110	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D

DataFile: BG044358.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB126601BSD	Benzaldehyde	50	29.4	ug/L	59	1			10	109	20
	Phenol	50	46.8	ug/L	94	0			10	130	20
	bis(2-Chloroethyl)ether	50	40.5	ug/L	81	1			46	116	20
	2-Chlorophenol	50	46.4	ug/L	93	1			40	105	20
	2-Methylphenol	50	46.0	ug/L	92	0			32	94	20
	2,2-oxybis(1-Chloropropane)	50	38.2	ug/L	76	1			60	113	20
	Acetophenone	50	36.5	ug/L	73	4			64	120	20
	3+4-Methylphenols	50	46.0	ug/L	92	0	*		24	91	20
	N-Nitroso-di-n-propylamine	50	40.5	ug/L	81	0			61	115	20
	Hexachloroethane	50	38.5	ug/L	77	2			52	104	20
	Nitrobenzene	50	38.6	ug/L	77	3			49	120	20
	Isophorone	50	39.6	ug/L	79	4			65	114	20
	2-Nitrophenol	50	41.0	ug/L	82	3			57	116	20
	2,4-Dimethylphenol	50	49.7	ug/L	99	5			43	108	20
	bis(2-Chloroethoxy)methane	50	37.4	ug/L	75	5			65	111	20
	2,4-Dichlorophenol	50	43.2	ug/L	86	4			49	113	20
	Naphthalene	50	39.9	ug/L	80	3			61	107	20
	4-Chloroaniline	50	22.0	ug/L	44	1			10	93	20
	Hexachlorobutadiene	50	35.0	ug/L	70	6			35	120	20
	Caprolactam	50	44.8	ug/L	90	5			10	130	20
	4-Chloro-3-methylphenol	50	43.9	ug/L	88	3			51	109	20
	2-Methylnaphthalene	50	40.7	ug/L	81	4			63	110	20
	Hexachlorocyclopentadiene	100	90.3	ug/L	90	2			42	121	20
	2,4,6-Trichlorophenol	50	40.0	ug/L	80	0			62	114	20
	2,4,5-Trichlorophenol	50	42.5	ug/L	85	3			58	116	20
	1,1-Biphenyl	50	38.1	ug/L	76	0			65	117	20
	2-Chloronaphthalene	50	37.5	ug/L	75	0			65	111	20
	2-Nitroaniline	50	38.0	ug/L	76	2			63	119	20
	Dimethylphthalate	50	40.4	ug/L	81	1			68	112	20
	Acenaphthylene	50	41.4	ug/L	83	0			65	110	20
	2,6-Dinitrotoluene	50	40.4	ug/L	81	3			68	115	20
	3-Nitroaniline	50	27.0	ug/L	54	1			16	104	20
	Acenaphthene	50	39.1	ug/L	78	1			66	114	20
	2,4-Dinitrophenol	100	81.4	ug/L	81	1			35	129	20
	4-Nitrophenol	100	100	ug/L	100	0			10	130	20
	Dibenzofuran	50	40.9	ug/L	82	1			66	111	20
	2,4-Dinitrotoluene	50	42.5	ug/L	85	1			65	119	20
	Diethylphthalate	50	41.7	ug/L	83	2			66	116	20
	4-Chlorophenyl-phenylether	50	40.0	ug/L	80	1			66	113	20
	Fluorene	50	41.8	ug/L	84	1			66	112	20
	4-Nitroaniline	50	40.3	ug/L	81	1			53	115	20
	4,6-Dinitro-2-methylphenol	50	44.5	ug/L	89	1			47	137	20
	N-Nitrosodiphenylamine	50	37.8	ug/L	76	3			65	116	20
	4-Bromophenyl-phenylether	50	36.6	ug/L	73	2			66	119	20
	Hexachlorobenzene	50	35.9	ug/L	72	2			57	121	20
	Atrazine	50	45.8	ug/L	92	2			53	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8270D DataFile: BG044358.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB126601BSD	Pentachlorophenol	100	79.2	ug/L	79	4			51	128		20
	Phenanthrene	50	39.5	ug/L	79	3			68	112		20
	Anthracene	50	41.1	ug/L	82	4			69	112		20
	Carbazole	50	41.8	ug/L	84	2			65	115		20
	Di-n-butylphthalate	50	42.2	ug/L	84	2			67	117		20
	Fluoranthene	50	43.3	ug/L	87	1			67	115		20
	Pyrene	50	39.1	ug/L	78	4			67	116		20
	Butylbenzylphthalate	50	37.0	ug/L	74	3			66	121		20
	3,3-Dichlorobenzidine	50	28.5	ug/L	57	2			13	119		20
	Benzo(a)anthracene	50	38.7	ug/L	77	4			64	117		20
	Chrysene	50	38.8	ug/L	78	2			65	116		20
	bis(2-Ethylhexyl)phthalate	50	38.1	ug/L	76	3			61	123		20
	Di-n-octyl phthalate	50	38.3	ug/L	77	4			63	123		20
	Benzo(b)fluoranthene	50	39.7	ug/L	79	2			62	122		20
	Benzo(k)fluoranthene	50	39.4	ug/L	79	5			60	123		20
	Benzo(a)pyrene	50	38.5	ug/L	77	4			65	118		20
	Indeno(1,2,3-cd)pyrene	50	37.7	ug/L	75	4			50	133		20
	Dibenz(a,h)anthracene	50	40.2	ug/L	80	4			45	150		20
	Benzo(g,h,i)perylene	50	40.7	ug/L	81	4			64	123		20
	1,2,4,5-Tetrachlorobenzene	50	35.6	ug/L	71	0			60	105		20
	2,3,4,6-Tetrachlorophenol	50	44.6	ug/L	89	1			66	110		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB126599BL

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BG044313.D

Lab Sample ID: PB126599BL

Instrument ID: BNA_G

Date Extracted: 02/05/2020

Matrix: (soil/water) SOIL

Date Analyzed: 02/05/2020

Level: (low/med) LOW

Time Analyzed: 20:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB-5	L1390-05	BG044315.D	02/05/2020
SB-1	L1390-01	BG044314.D	02/05/2020
SB-2	L1390-02	BG044307.D	02/05/2020
SB-2MS	L1390-02MS	BG044308.D	02/05/2020
SB-2MSD	L1390-02MSD	BG044309.D	02/05/2020
SB-3	L1390-03	BG044310.D	02/05/2020
PB126599BS	PB126599BS	BG044302.D	02/05/2020
SB-4	L1390-04	BG044311.D	02/05/2020

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB126601BL

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BG044312.D

Lab Sample ID: PB126601BL

Instrument ID: BNA_G

Date Extracted: 02/05/2020

Matrix: (soil/water) Water

Date Analyzed: 02/05/2020

Level: (low/med) LOW

Time Analyzed: 20:04

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB126601BS	PB126601BS	BG044357.D	02/10/2020
PB126601BSD	PB126601BSD	BG044358.D	02/10/2020
SB-5-WS	L1390-08	BF118829.D	02/05/2020

COMMENTS:

5B

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BF118790.D

DFTPP Injection Date: 02/03/2020

Instrument ID: BNA_F

DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.8
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	44.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	80.8
443	15.0 - 24.0% of mass 442	15.6 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDIC010	SSTDIC010	BF118791.D	02/03/2020	11:22
SSTDIC020	SSTDIC020	BF118792.D	02/03/2020	11:50
SSTDIC040	SSTDIC040	BF118793.D	02/03/2020	12:17
SSTDIC050	SSTDIC050	BF118794.D	02/03/2020	12:44
SSTDIC060	SSTDIC060	BF118795.D	02/03/2020	13:12
SSTDIC080	SSTDIC080	BF118796.D	02/03/2020	13:39
SSTDIC100	SSTDIC100	BF118797.D	02/03/2020	14:07

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BF118821.D

DFTPP Injection Date: 02/05/2020

Instrument ID: BNA_F

DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	31.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	43.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	31.4
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	94
443	15.0 - 24.0% of mass 442	17.9 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF118822.D	02/05/2020	11:08
SB-5-WS	L1390-08	BF118829.D	02/05/2020	15:01

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BG044242.D

DFTPP Injection Date: 01/30/2020

Instrument ID: BNA_G

DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	74.9
443	15.0 - 24.0% of mass 442	14.4 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDIC010	SSTDIC010	BG044243.D	01/30/2020	10:37
SSTDIC020	SSTDIC020	BG044244.D	01/30/2020	11:16
SSTDIC040	SSTDIC040	BG044245.D	01/30/2020	11:55
SSTDIC050	SSTDIC050	BG044246.D	01/30/2020	12:34
SSTDIC060	SSTDIC060	BG044247.D	01/30/2020	13:14
SSTDIC080	SSTDIC080	BG044248.D	01/30/2020	13:53
SSTDIC100	SSTDIC100	BG044249.D	01/30/2020	14:32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BG044300.D

DFTPP Injection Date: 02/05/2020

Instrument ID: BNA_G

DFTPP Injection Time: 11:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	10.7
442	Greater than 50% of mass 198	71.2
443	15.0 - 24.0% of mass 442	13.5 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG044301.D	02/05/2020	12:49
PB126599BS	PB126599BS	BG044302.D	02/05/2020	13:29
SB-2	L1390-02	BG044307.D	02/05/2020	16:47
SB-2MS	L1390-02MS	BG044308.D	02/05/2020	17:27
SB-2MSD	L1390-02MSD	BG044309.D	02/05/2020	18:06
SB-3	L1390-03	BG044310.D	02/05/2020	18:45
SB-4	L1390-04	BG044311.D	02/05/2020	19:25
PB126601BL	PB126601BL	BG044312.D	02/05/2020	20:04
PB126599BL	PB126599BL	BG044313.D	02/05/2020	20:43
SB-1	L1390-01	BG044314.D	02/05/2020	21:23
SB-5	L1390-05	BG044315.D	02/05/2020	22:02

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BG044317.D

DFTPP Injection Date: 02/06/2020

Instrument ID: BNA_G

DFTPP Injection Time: 11:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.9
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	75.3
443	15.0 - 24.0% of mass 442	14.4 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG044318.D	02/06/2020	11:45
SB-1DL	L1390-01DL	BG044327.D	02/06/2020	17:54

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM

SAS No.: L1390 SDG NO.: L1390

Lab File ID: BG044355.D

DFTPP Injection Date: 02/10/2020

Instrument ID: BNA_G

DFTPP Injection Time: 12:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	31.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	42.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.4
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	82.4
443	15.0 - 24.0% of mass 442	15.4 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG044356.D	02/10/2020	13:20
PB126601BS	PB126601BS	BG044357.D	02/10/2020	15:24
PB126601BSD	PB126601BSD	BG044358.D	02/10/2020	16:03

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2020
 Lab File ID: BF118822.D Time Analyzed: 11:08
 Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	245556	6.82	903961	8.10	529750	9.85
UPPER LIMIT	491112	7.32	1807920	8.6	1059500	10.35
LOWER LIMIT	122778	6.32	451981	7.6	264875	9.35
EPA SAMPLE NO.						
01 SB-5-WS	209721	6.81	793840	8.09	421457	9.85

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2020

Lab File ID: BF118822.D Time Analyzed: 11:08

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	990693	11.33	714622	13.97	695773	15.42
UPPER LIMIT	1981390	11.83	1429240	14.47	1391550	15.92
LOWER LIMIT	495347	10.83	357311	13.47	347887	14.92
EPA SAMPLE NO.						
01 SB-5-WS	798524	11.33	595347	13.96	661512	15.41

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2020

Lab File ID: BG044301.D Time Analyzed: 12:49

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	83136	7.92	353309	10.72	244569	14.56
UPPER LIMIT	166272	8.42	706618	11.22	489138	15.06
LOWER LIMIT	41568	7.42	176655	10.22	122285	14.06
EPA SAMPLE NO.						
01 SB-3	78029	7.91	333393	10.72	234333	14.55
02 SB-4	83391	7.91	342208	10.72	233974	14.55
03 SB-5	81167	7.91	327817	10.71	222554	14.55
04 PB126599BL	72027	7.91	297324	10.72	211625	14.55
05 PB126601BL	83523	7.91	339192	10.72	232459	14.55
06 PB126599BS	79274	7.91	336876	10.71	242473	14.55
07 SB-2	79806	7.92	333568	10.71	233379	14.55
08 SB-2MS	81883	7.92	359040	10.71	252364	14.56
09 SB-2MSD	72810	7.91	331561	10.71	240093	14.56
10 SB-1	86727	7.92	343916	10.73	258432	14.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2020

Lab File ID: BG044301.D Time Analyzed: 12:49

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	539473	17.3	475028	21.55	550815	24.65
UPPER LIMIT	1078950	17.8	950056	22.05	1101630	25.15
LOWER LIMIT	269737	16.8	237514	21.05	275408	24.15
EPA SAMPLE NO.						
01 SB-3	538526	17.30	492431	21.54	548176	24.64
02 SB-4	549077	17.30	503958	21.54	554981	24.64
03 SB-5	527051	17.29	475855	21.54	527727	24.64
04 PB126599BL	515029	17.30	480095	21.55	536495	24.64
05 PB126601BL	535288	17.30	482299	21.54	534364	24.64
06 PB126599BS	575001	17.30	507701	21.55	516501	24.64
07 SB-2	547293	17.29	500569	21.54	556318	24.64
08 SB-2MS	553423	17.30	486046	21.55	559590	24.64
09 SB-2MSD	553925	17.30	484577	21.55	560406	24.64
10 SB-1	408473	17.32	435584	21.55	519777	24.64

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 EPA Sample No.: SSTDCCC040 Date Analyzed: 02/06/2020
 Lab File ID: BG044318.D Time Analyzed: 11:45
 Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	105642	7.91	423075	10.71	266536	14.55
UPPER LIMIT	211284	8.41	846150	11.21	533072	15.05
LOWER LIMIT	52821	7.41	211538	10.21	133268	14.05
EPA SAMPLE NO.						
01 SB-1DL	93399	7.91	369683	10.71	244259	14.55

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/06/2020

Lab File ID: BG044318.D Time Analyzed: 11:45

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	561077	17.3	495288	21.54	575734	24.64
UPPER LIMIT	1122150	17.8	990576	22.04	1151470	25.14
LOWER LIMIT	280539	16.8	247644	21.04	287867	24.14
EPA SAMPLE NO.						
01 SB-1DL	510239	17.30	500230	21.54	560743	24.63

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390
 EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2020
 Lab File ID: BG044356.D Time Analyzed: 13:20
 Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	80132	7.91	364951	10.70	252062	14.54
UPPER LIMIT	160264	8.41	729902	11.2	504124	15.04
LOWER LIMIT	40066	7.41	182476	10.2	126031	14.04
EPA SAMPLE NO.						
01 PB126601BS	64763	7.91	276992	10.70	196309	14.55
02 PB126601BSD	64425	7.90	284227	10.70	195303	14.54

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2020

Lab File ID: BG044356.D Time Analyzed: 13:20

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	555150	17.29	488097	21.54	557151	24.62
UPPER LIMIT	1110300	17.79	976194	22.04	1114300	25.12
LOWER LIMIT	277575	16.79	244049	21.04	278576	24.12
EPA SAMPLE NO.						
01 PB126601BS	472959	17.29	447777	21.53	500905	24.62
02 PB126601BSD	478365	17.29	463063	21.53	518046	24.62

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126599BL		SDG No.:	L1390
Lab Sample ID:	PB126599BL		Matrix:	SOIL
Analytical Method:	SW8270		% Moisture:	0
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044313.D	1	02/05/20 08:15	02/05/20 20:43	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.098	U	0.098	0.33	mg/Kg
108-95-2	Phenol	0.063	U	0.063	0.33	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.10	U	0.10	0.33	mg/Kg
95-57-8	2-Chlorophenol	0.066	U	0.066	0.33	mg/Kg
95-48-7	2-Methylphenol	0.070	U	0.070	0.33	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.089	U	0.089	0.33	mg/Kg
98-86-2	Acetophenone	0.093	U	0.093	0.33	mg/Kg
65794-96-9	3+4-Methylphenols	0.098	U	0.098	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.14	U	0.14	0.33	mg/Kg
67-72-1	Hexachloroethane	0.084	U	0.084	0.33	mg/Kg
98-95-3	Nitrobenzene	0.043	U	0.043	0.33	mg/Kg
78-59-1	Isophorone	0.037	U	0.037	0.33	mg/Kg
88-75-5	2-Nitrophenol	0.076	U	0.076	0.33	mg/Kg
105-67-9	2,4-Dimethylphenol	0.055	U	0.055	0.33	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.051	U	0.051	0.33	mg/Kg
120-83-2	2,4-Dichlorophenol	0.051	U	0.051	0.33	mg/Kg
91-20-3	Naphthalene	0.050	U	0.050	0.33	mg/Kg
106-47-8	4-Chloroaniline	0.14	U	0.14	0.33	mg/Kg
87-68-3	Hexachlorobutadiene	0.061	U	0.061	0.33	mg/Kg
105-60-2	Caprolactam	0.11	U	0.11	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.059	U	0.059	0.33	mg/Kg
91-57-6	2-Methylnaphthalene	0.062	U	0.062	0.33	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.22	U	0.22	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.060	U	0.060	0.33	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.059	U	0.059	0.33	mg/Kg
92-52-4	1,1-Biphenyl	0.10	U	0.10	0.33	mg/Kg
91-58-7	2-Chloronaphthalene	0.075	U	0.075	0.33	mg/Kg
88-74-4	2-Nitroaniline	0.070	U	0.070	0.33	mg/Kg
131-11-3	Dimethylphthalate	0.051	U	0.051	0.33	mg/Kg
208-96-8	Acenaphthylene	0.060	U	0.060	0.33	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.071	U	0.071	0.33	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	PB126599BL	SDG No.:	L1390
Lab Sample ID:	PB126599BL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044313.D	1	02/05/20 08:15	02/05/20 20:43	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.13	U	0.13	0.33	mg/Kg
83-32-9	Acenaphthene	0.068	U	0.068	0.33	mg/Kg
51-28-5	2,4-Dinitrophenol	0.088	U	0.088	0.33	mg/Kg
100-02-7	4-Nitrophenol	0.065	U	0.065	0.33	mg/Kg
132-64-9	Dibenzofuran	0.090	U	0.090	0.33	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.083	U	0.083	0.33	mg/Kg
84-66-2	Diethylphthalate	0.063	U	0.063	0.33	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.083	U	0.083	0.33	mg/Kg
86-73-7	Fluorene	0.051	U	0.051	0.33	mg/Kg
100-01-6	4-Nitroaniline	0.088	U	0.088	0.33	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.070	U	0.070	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.077	U	0.077	0.33	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.056	U	0.056	0.33	mg/Kg
118-74-1	Hexachlorobenzene	0.067	U	0.067	0.33	mg/Kg
1912-24-9	Atrazine	0.079	U	0.079	0.33	mg/Kg
87-86-5	Pentachlorophenol	0.11	U	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	0.057	U	0.057	0.33	mg/Kg
120-12-7	Anthracene	0.056	U	0.056	0.33	mg/Kg
86-74-8	Carbazole	0.090	U	0.090	0.33	mg/Kg
84-74-2	Di-n-butylphthalate	0.099	U	0.099	0.33	mg/Kg
206-44-0	Fluoranthene	0.049	U	0.049	0.33	mg/Kg
129-00-0	Pyrene	0.061	U	0.061	0.33	mg/Kg
85-68-7	Butylbenzylphthalate	0.064	U	0.064	0.33	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.15	U	0.15	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	0.038	U	0.038	0.33	mg/Kg
218-01-9	Chrysene	0.043	U	0.043	0.33	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.092	U	0.092	0.33	mg/Kg
117-84-0	Di-n-octyl phthalate	0.071	U	0.071	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.049	U	0.049	0.33	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.056	U	0.056	0.33	mg/Kg
50-32-8	Benzo(a)pyrene	0.044	U	0.044	0.33	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.072	U	0.072	0.33	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.052	U	0.052	0.33	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126599BL		SDG No.:	L1390
Lab Sample ID:	PB126599BL		Matrix:	SOIL
Analytical Method:	SW8270		% Moisture:	0
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044313.D	1	02/05/20 08:15	02/05/20 20:43	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.061	U	0.061	0.33	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.078	U	0.078	0.33	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.042	U	0.042	0.33	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		28 - 127	90%	SPK: 150
13127-88-3	Phenol-d6	133		34 - 127	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.7		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.5		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	87%	SPK: 150
1718-51-0	Terphenyl-d14	80.7		37 - 115	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72000	7.91			
1146-65-2	Naphthalene-d8	297000	10.72			
15067-26-2	Acenaphthene-d10	212000	14.55			
1517-22-2	Phenanthrene-d10	515000	17.3			
1719-03-5	Chrysene-d12	480000	21.55			
1520-96-3	Perylene-d12	536000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BL		SDG No.:	L1390
Lab Sample ID:	PB126601BL		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044312.D	1	02/05/20 08:15	02/05/20 20:04	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	2.90	U	2.90	10.0	ug/L
108-95-2	Phenol	2.20	U	2.20	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	3.40	U	3.40	10.0	ug/L
95-57-8	2-Chlorophenol	2.50	U	2.50	10.0	ug/L
95-48-7	2-Methylphenol	2.80	U	2.80	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	3.00	U	3.00	10.0	ug/L
98-86-2	Acetophenone	3.20	U	3.20	10.0	ug/L
65794-96-9	3+4-Methylphenols	3.40	U	3.40	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	4.70	U	4.70	10.0	ug/L
67-72-1	Hexachloroethane	2.90	U	2.90	10.0	ug/L
98-95-3	Nitrobenzene	2.60	U	2.60	10.0	ug/L
78-59-1	Isophorone	2.20	U	2.20	10.0	ug/L
88-75-5	2-Nitrophenol	3.60	U	3.60	10.0	ug/L
105-67-9	2,4-Dimethylphenol	2.80	U	2.80	10.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.50	U	2.50	10.0	ug/L
120-83-2	2,4-Dichlorophenol	2.30	U	2.30	10.0	ug/L
91-20-3	Naphthalene	2.50	U	2.50	10.0	ug/L
106-47-8	4-Chloroaniline	4.50	U	4.50	10.0	ug/L
87-68-3	Hexachlorobutadiene	3.20	U	3.20	10.0	ug/L
105-60-2	Caprolactam	3.40	U	3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	2.50	U	2.50	10.0	ug/L
91-57-6	2-Methylnaphthalene	2.50	U	2.50	10.0	ug/L
77-47-4	Hexachlorocyclopentadiene	7.60	U	7.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	2.80	U	2.80	10.0	ug/L
95-95-4	2,4,5-Trichlorophenol	2.80	U	2.80	10.0	ug/L
92-52-4	1,1-Biphenyl	3.30	U	3.30	10.0	ug/L
91-58-7	2-Chloronaphthalene	3.00	U	3.00	10.0	ug/L
88-74-4	2-Nitroaniline	3.10	U	3.10	10.0	ug/L
131-11-3	Dimethylphthalate	5.80	J	2.70	10.0	ug/L
208-96-8	Acenaphthylene	2.70	U	2.70	10.0	ug/L
606-20-2	2,6-Dinitrotoluene	3.10	U	3.10	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BL		SDG No.:	L1390
Lab Sample ID:	PB126601BL		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044312.D	1	02/05/20 08:15	02/05/20 20:04	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	4.20	U	4.20	10.0	ug/L
83-32-9	Acenaphthene	2.80	U	2.80	10.0	ug/L
51-28-5	2,4-Dinitrophenol	4.20	U	4.20	10.0	ug/L
100-02-7	4-Nitrophenol	3.40	U	3.40	10.0	ug/L
132-64-9	Dibenzofuran	3.20	U	3.20	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	3.10	U	3.10	10.0	ug/L
84-66-2	Diethylphthalate	2.90	U	2.90	10.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	3.30	U	3.30	10.0	ug/L
86-73-7	Fluorene	2.50	U	2.50	10.0	ug/L
100-01-6	4-Nitroaniline	3.40	U	3.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.50	U	3.50	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	2.90	U	2.90	10.0	ug/L
101-55-3	4-Bromophenyl-phenylether	2.60	U	2.60	10.0	ug/L
118-74-1	Hexachlorobenzene	2.70	U	2.70	10.0	ug/L
1912-24-9	Atrazine	2.90	U	2.90	10.0	ug/L
87-86-5	Pentachlorophenol	4.30	U	4.30	10.0	ug/L
85-01-8	Phenanthrene	2.50	U	2.50	10.0	ug/L
120-12-7	Anthracene	2.50	U	2.50	10.0	ug/L
86-74-8	Carbazole	3.20	U	3.20	10.0	ug/L
84-74-2	Di-n-butylphthalate	3.70	U	3.70	10.0	ug/L
206-44-0	Fluoranthene	2.90	U	2.90	10.0	ug/L
129-00-0	Pyrene	2.50	U	2.50	10.0	ug/L
85-68-7	Butylbenzylphthalate	3.10	U	3.10	10.0	ug/L
91-94-1	3,3-Dichlorobenzidine	5.00	U	5.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	2.30	U	2.30	10.0	ug/L
218-01-9	Chrysene	2.40	U	2.40	10.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.60	U	3.60	10.0	ug/L
117-84-0	Di-n-octyl phthalate	3.30	U	3.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	2.30	U	2.30	10.0	ug/L
207-08-9	Benzo(k)fluoranthene	2.30	U	2.30	10.0	ug/L
50-32-8	Benzo(a)pyrene	2.40	U	2.40	10.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.30	U	3.30	10.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.60	U	2.60	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BL		SDG No.:	L1390
Lab Sample ID:	PB126601BL		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044312.D	1	02/05/20 08:15	02/05/20 20:04	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.60	U	2.60	10.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	3.10	U	3.10	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.60	U	2.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	97.5		10 - 130	65%	SPK: 150
13127-88-3	Phenol-d6	61.4		10 - 130	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.2		36 - 131	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.4		39 - 131	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		25 - 155	93%	SPK: 150
1718-51-0	Terphenyl-d14	87.3		23 - 130	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83500	7.91			
1146-65-2	Naphthalene-d8	339000	10.72			
15067-26-2	Acenaphthene-d10	232000	14.55			
1517-22-2	Phenanthrene-d10	535000	17.3			
1719-03-5	Chrysene-d12	482000	21.54			
1520-96-3	Perylene-d12	534000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126599BS		SDG No.:	L1390
Lab Sample ID:	PB126599BS		Matrix:	SOIL
Analytical Method:	SW8270		% Moisture:	0
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044302.D	1	02/05/20 08:15	02/05/20 13:29	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.00		0.098	0.33	mg/Kg
108-95-2	Phenol	1.60		0.063	0.33	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.30		0.10	0.33	mg/Kg
95-57-8	2-Chlorophenol	1.50		0.066	0.33	mg/Kg
95-48-7	2-Methylphenol	1.60		0.070	0.33	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.30		0.089	0.33	mg/Kg
98-86-2	Acetophenone	1.30		0.093	0.33	mg/Kg
65794-96-9	3+4-Methylphenols	1.60		0.098	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.30		0.14	0.33	mg/Kg
67-72-1	Hexachloroethane	1.30		0.084	0.33	mg/Kg
98-95-3	Nitrobenzene	1.30		0.043	0.33	mg/Kg
78-59-1	Isophorone	1.40		0.037	0.33	mg/Kg
88-75-5	2-Nitrophenol	1.40		0.076	0.33	mg/Kg
105-67-9	2,4-Dimethylphenol	1.80		0.055	0.33	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.30		0.051	0.33	mg/Kg
120-83-2	2,4-Dichlorophenol	1.50		0.051	0.33	mg/Kg
91-20-3	Naphthalene	1.40		0.050	0.33	mg/Kg
106-47-8	4-Chloroaniline	0.81		0.14	0.33	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.061	0.33	mg/Kg
105-60-2	Caprolactam	1.70		0.11	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.60		0.059	0.33	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.062	0.33	mg/Kg
77-47-4	Hexachlorocyclopentadiene	2.40		0.22	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.40		0.061	0.33	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.60		0.059	0.33	mg/Kg
92-52-4	1,1-Biphenyl	1.30		0.10	0.33	mg/Kg
91-58-7	2-Chloronaphthalene	1.30		0.075	0.33	mg/Kg
88-74-4	2-Nitroaniline	1.40		0.070	0.33	mg/Kg
131-11-3	Dimethylphthalate	1.40		0.051	0.33	mg/Kg
208-96-8	Acenaphthylene	1.40		0.060	0.33	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.50		0.071	0.33	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126599BS		SDG No.:	L1390
Lab Sample ID:	PB126599BS		Matrix:	SOIL
Analytical Method:	SW8270		% Moisture:	0
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044302.D	1	02/05/20 08:15	02/05/20 13:29	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.99		0.13	0.33	mg/Kg
83-32-9	Acenaphthene	1.30		0.068	0.33	mg/Kg
51-28-5	2,4-Dinitrophenol	2.80		0.088	0.33	mg/Kg
100-02-7	4-Nitrophenol	3.40	E	0.065	0.33	mg/Kg
132-64-9	Dibenzofuran	1.40		0.090	0.33	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.50		0.083	0.33	mg/Kg
84-66-2	Diethylphthalate	1.40		0.063	0.33	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.40		0.083	0.33	mg/Kg
86-73-7	Fluorene	1.40		0.051	0.33	mg/Kg
100-01-6	4-Nitroaniline	1.40		0.088	0.33	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.50		0.070	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.40		0.077	0.33	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.30		0.056	0.33	mg/Kg
118-74-1	Hexachlorobenzene	1.30		0.067	0.33	mg/Kg
1912-24-9	Atrazine	1.50		0.079	0.33	mg/Kg
87-86-5	Pentachlorophenol	2.80		0.11	0.33	mg/Kg
85-01-8	Phenanthrene	1.40		0.057	0.33	mg/Kg
120-12-7	Anthracene	1.40		0.056	0.33	mg/Kg
86-74-8	Carbazole	1.40		0.090	0.33	mg/Kg
84-74-2	Di-n-butylphthalate	1.30		0.099	0.33	mg/Kg
206-44-0	Fluoranthene	1.40		0.049	0.33	mg/Kg
129-00-0	Pyrene	1.40		0.061	0.33	mg/Kg
85-68-7	Butylbenzylphthalate	1.30		0.064	0.33	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10		0.15	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	1.40		0.038	0.33	mg/Kg
218-01-9	Chrysene	1.40		0.043	0.33	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.40		0.092	0.33	mg/Kg
117-84-0	Di-n-octyl phthalate	1.40		0.071	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.049	0.33	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.50		0.056	0.33	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.044	0.33	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.30		0.072	0.33	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.60		0.052	0.33	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126599BS		SDG No.:	L1390
Lab Sample ID:	PB126599BS		Matrix:	SOIL
Analytical Method:	SW8270		% Moisture:	0
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044302.D	1	02/05/20 08:15	02/05/20 13:29	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1.60		0.061	0.33	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20		0.078	0.33	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.60		0.042	0.33	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	130		28 - 127	87%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.9		31 - 132	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.2		39 - 123	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		30 - 133	86%	SPK: 150
1718-51-0	Terphenyl-d14	66.7		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79300	7.91			
1146-65-2	Naphthalene-d8	337000	10.71			
15067-26-2	Acenaphthene-d10	242000	14.55			
1517-22-2	Phenanthrene-d10	575000	17.3			
1719-03-5	Chrysene-d12	508000	21.55			
1520-96-3	Perylene-d12	517000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BS		SDG No.:	L1390
Lab Sample ID:	PB126601BS		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044357.D	1	02/05/20 08:15	02/10/20 15:24	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	29.2		2.90	10.0	ug/L
108-95-2	Phenol	46.7		2.20	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.8		3.40	10.0	ug/L
95-57-8	2-Chlorophenol	45.8		2.50	10.0	ug/L
95-48-7	2-Methylphenol	46.0		2.80	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.4		3.00	10.0	ug/L
98-86-2	Acetophenone	37.9		3.20	10.0	ug/L
65794-96-9	3+4-Methylphenols	45.8		3.40	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.7		4.70	10.0	ug/L
67-72-1	Hexachloroethane	37.9		2.90	10.0	ug/L
98-95-3	Nitrobenzene	39.8		2.60	10.0	ug/L
78-59-1	Isophorone	41.2		2.20	10.0	ug/L
88-75-5	2-Nitrophenol	42.4		3.60	10.0	ug/L
105-67-9	2,4-Dimethylphenol	52.5		2.80	10.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.3		2.50	10.0	ug/L
120-83-2	2,4-Dichlorophenol	45.0		2.30	10.0	ug/L
91-20-3	Naphthalene	41.1		2.50	10.0	ug/L
106-47-8	4-Chloroaniline	22.3		4.50	10.0	ug/L
87-68-3	Hexachlorobutadiene	37.1		3.20	10.0	ug/L
105-60-2	Caprolactam	46.9		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.3		2.50	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.5		2.50	10.0	ug/L
77-47-4	Hexachlorocyclopentadiene	91.8		7.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0		2.80	10.0	ug/L
95-95-4	2,4,5-Trichlorophenol	43.8		2.80	10.0	ug/L
92-52-4	1,1-Biphenyl	38.2		3.30	10.0	ug/L
91-58-7	2-Chloronaphthalene	37.6		3.00	10.0	ug/L
88-74-4	2-Nitroaniline	38.6		3.10	10.0	ug/L
131-11-3	Dimethylphthalate	40.8		2.70	10.0	ug/L
208-96-8	Acenaphthylene	41.5		2.70	10.0	ug/L
606-20-2	2,6-Dinitrotoluene	41.6		3.10	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BS		SDG No.:	L1390
Lab Sample ID:	PB126601BS		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044357.D	1	02/05/20 08:15	02/10/20 15:24	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	26.7		4.20	10.0	ug/L
83-32-9	Acenaphthene	39.3		2.80	10.0	ug/L
51-28-5	2,4-Dinitrophenol	82.3		4.20	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	3.40	10.0	ug/L
132-64-9	Dibenzofuran	41.3		3.20	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	42.9		3.10	10.0	ug/L
84-66-2	Diethylphthalate	42.5		2.90	10.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.4		3.30	10.0	ug/L
86-73-7	Fluorene	42.4		2.50	10.0	ug/L
100-01-6	4-Nitroaniline	40.8		3.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.9		3.50	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	39.1		2.90	10.0	ug/L
101-55-3	4-Bromophenyl-phenylether	37.4		2.60	10.0	ug/L
118-74-1	Hexachlorobenzene	36.5		2.70	10.0	ug/L
1912-24-9	Atrazine	46.5		2.90	10.0	ug/L
87-86-5	Pentachlorophenol	82.3		4.30	10.0	ug/L
85-01-8	Phenanthrene	40.8		2.50	10.0	ug/L
120-12-7	Anthracene	42.7		2.50	10.0	ug/L
86-74-8	Carbazole	42.7		3.20	10.0	ug/L
84-74-2	Di-n-butylphthalate	43.0		3.70	10.0	ug/L
206-44-0	Fluoranthene	43.9		2.90	10.0	ug/L
129-00-0	Pyrene	40.5		2.50	10.0	ug/L
85-68-7	Butylbenzylphthalate	38.0		3.10	10.0	ug/L
91-94-1	3,3-Dichlorobenzidine	29.2		5.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	40.3		2.30	10.0	ug/L
218-01-9	Chrysene	39.7		2.40	10.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	39.2		3.60	10.0	ug/L
117-84-0	Di-n-octyl phthalate	39.7		3.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	40.6		2.30	10.0	ug/L
207-08-9	Benzo(k)fluoranthene	41.4		2.30	10.0	ug/L
50-32-8	Benzo(a)pyrene	40.0		2.40	10.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39.3		3.30	10.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.7		2.60	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BS		SDG No.:	L1390
Lab Sample ID:	PB126601BS		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044357.D	1	02/05/20 08:15	02/10/20 15:24	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	42.5		2.60	10.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	35.5		3.10	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.9		2.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		10 - 130	84%	SPK: 150
13127-88-3	Phenol-d6	126		10 - 130	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.4		36 - 131	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.3		39 - 131	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		25 - 155	82%	SPK: 150
1718-51-0	Terphenyl-d14	67.0		23 - 130	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64800	7.91			
1146-65-2	Naphthalene-d8	277000	10.7			
15067-26-2	Acenaphthene-d10	196000	14.55			
1517-22-2	Phenanthrene-d10	473000	17.29			
1719-03-5	Chrysene-d12	448000	21.53			
1520-96-3	Perylene-d12	501000	24.62			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BSD		SDG No.:	L1390
Lab Sample ID:	PB126601BSD		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044358.D	1	02/05/20 08:15	02/10/20 16:03	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	29.4		2.90	10.0	ug/L
108-95-2	Phenol	46.8		2.20	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.5		3.40	10.0	ug/L
95-57-8	2-Chlorophenol	46.4		2.50	10.0	ug/L
95-48-7	2-Methylphenol	46.0		2.80	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.2		3.00	10.0	ug/L
98-86-2	Acetophenone	36.5		3.20	10.0	ug/L
65794-96-9	3+4-Methylphenols	46.0		3.40	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.5		4.70	10.0	ug/L
67-72-1	Hexachloroethane	38.5		2.90	10.0	ug/L
98-95-3	Nitrobenzene	38.6		2.60	10.0	ug/L
78-59-1	Isophorone	39.6		2.20	10.0	ug/L
88-75-5	2-Nitrophenol	41.0		3.60	10.0	ug/L
105-67-9	2,4-Dimethylphenol	49.7		2.80	10.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.4		2.50	10.0	ug/L
120-83-2	2,4-Dichlorophenol	43.2		2.30	10.0	ug/L
91-20-3	Naphthalene	39.9		2.50	10.0	ug/L
106-47-8	4-Chloroaniline	22.0		4.50	10.0	ug/L
87-68-3	Hexachlorobutadiene	35.0		3.20	10.0	ug/L
105-60-2	Caprolactam	44.8		3.40	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.9		2.50	10.0	ug/L
91-57-6	2-Methylnaphthalene	40.7		2.50	10.0	ug/L
77-47-4	Hexachlorocyclopentadiene	90.3		7.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0		2.80	10.0	ug/L
95-95-4	2,4,5-Trichlorophenol	42.5		2.80	10.0	ug/L
92-52-4	1,1-Biphenyl	38.1		3.30	10.0	ug/L
91-58-7	2-Chloronaphthalene	37.5		3.00	10.0	ug/L
88-74-4	2-Nitroaniline	38.0		3.10	10.0	ug/L
131-11-3	Dimethylphthalate	40.4		2.70	10.0	ug/L
208-96-8	Acenaphthylene	41.4		2.70	10.0	ug/L
606-20-2	2,6-Dinitrotoluene	40.4		3.10	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BSD		SDG No.:	L1390
Lab Sample ID:	PB126601BSD		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044358.D	1	02/05/20 08:15	02/10/20 16:03	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	27.0		4.20	10.0	ug/L
83-32-9	Acenaphthene	39.1		2.80	10.0	ug/L
51-28-5	2,4-Dinitrophenol	81.4		4.20	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	3.40	10.0	ug/L
132-64-9	Dibenzofuran	40.9		3.20	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	42.5		3.10	10.0	ug/L
84-66-2	Diethylphthalate	41.7		2.90	10.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.0		3.30	10.0	ug/L
86-73-7	Fluorene	41.8		2.50	10.0	ug/L
100-01-6	4-Nitroaniline	40.3		3.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.5		3.50	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	37.8		2.90	10.0	ug/L
101-55-3	4-Bromophenyl-phenylether	36.6		2.60	10.0	ug/L
118-74-1	Hexachlorobenzene	35.9		2.70	10.0	ug/L
1912-24-9	Atrazine	45.8		2.90	10.0	ug/L
87-86-5	Pentachlorophenol	79.2		4.30	10.0	ug/L
85-01-8	Phenanthrene	39.5		2.50	10.0	ug/L
120-12-7	Anthracene	41.1		2.50	10.0	ug/L
86-74-8	Carbazole	41.8		3.20	10.0	ug/L
84-74-2	Di-n-butylphthalate	42.2		3.70	10.0	ug/L
206-44-0	Fluoranthene	43.3		2.90	10.0	ug/L
129-00-0	Pyrene	39.1		2.50	10.0	ug/L
85-68-7	Butylbenzylphthalate	37.0		3.10	10.0	ug/L
91-94-1	3,3-Dichlorobenzidine	28.5		5.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	38.7		2.30	10.0	ug/L
218-01-9	Chrysene	38.8		2.40	10.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38.1		3.60	10.0	ug/L
117-84-0	Di-n-octyl phthalate	38.3		3.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	39.7		2.30	10.0	ug/L
207-08-9	Benzo(k)fluoranthene	39.4		2.30	10.0	ug/L
50-32-8	Benzo(a)pyrene	38.5		2.40	10.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	37.7		3.30	10.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.2		2.60	10.0	ug/L

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	
Client Sample ID:	PB126601BSD		SDG No.:	L1390
Lab Sample ID:	PB126601BSD		Matrix:	Water
Analytical Method:	SW8270		% Moisture:	100
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044358.D	1	02/05/20 08:15	02/10/20 16:03	PB126601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	40.7		2.60	10.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	35.6		3.10	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.6		2.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		10 - 130	84%	SPK: 150
13127-88-3	Phenol-d6	126		10 - 130	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.6		36 - 131	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.1		39 - 131	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		25 - 155	82%	SPK: 150
1718-51-0	Terphenyl-d14	64.4		23 - 130	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64400	7.9			
1146-65-2	Naphthalene-d8	284000	10.7			
15067-26-2	Acenaphthene-d10	195000	14.54			
1517-22-2	Phenanthrene-d10	478000	17.29			
1719-03-5	Chrysene-d12	463000	21.53			
1520-96-3	Perylene-d12	518000	24.62			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2MS	SDG No.:	L1390
Lab Sample ID:	L1390-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044308.D	1	02/05/20 08:15	02/05/20 17:27	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.30		0.11	0.37	mg/Kg
108-95-2	Phenol	2.20		0.071	0.37	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.70		0.12	0.37	mg/Kg
95-57-8	2-Chlorophenol	2.10		0.074	0.37	mg/Kg
95-48-7	2-Methylphenol	2.10		0.079	0.37	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.70		0.100	0.37	mg/Kg
98-86-2	Acetophenone	1.60		0.11	0.37	mg/Kg
65794-96-9	3+4-Methylphenols	2.10		0.11	0.37	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.80		0.15	0.37	mg/Kg
67-72-1	Hexachloroethane	1.70		0.095	0.37	mg/Kg
98-95-3	Nitrobenzene	1.70		0.049	0.37	mg/Kg
78-59-1	Isophorone	1.80		0.041	0.37	mg/Kg
88-75-5	2-Nitrophenol	1.90		0.086	0.37	mg/Kg
105-67-9	2,4-Dimethylphenol	2.30		0.062	0.37	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.70		0.058	0.37	mg/Kg
120-83-2	2,4-Dichlorophenol	2.00		0.058	0.37	mg/Kg
91-20-3	Naphthalene	1.70		0.056	0.37	mg/Kg
106-47-8	4-Chloroaniline	0.34	J	0.16	0.37	mg/Kg
87-68-3	Hexachlorobutadiene	1.50		0.069	0.37	mg/Kg
105-60-2	Caprolactam	2.10		0.13	0.37	mg/Kg
59-50-7	4-Chloro-3-methylphenol	2.00		0.067	0.37	mg/Kg
91-57-6	2-Methylnaphthalene	1.80		0.069	0.37	mg/Kg
77-47-4	Hexachlorocyclopentadiene	3.60		0.25	0.37	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.80		0.068	0.37	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.90		0.067	0.37	mg/Kg
92-52-4	1,1-Biphenyl	1.60		0.12	0.37	mg/Kg
91-58-7	2-Chloronaphthalene	1.60		0.085	0.37	mg/Kg
88-74-4	2-Nitroaniline	1.70		0.079	0.37	mg/Kg
131-11-3	Dimethylphthalate	1.90		0.057	0.37	mg/Kg
208-96-8	Acenaphthylene	1.80		0.068	0.37	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.80		0.080	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2MS	SDG No.:	L1390
Lab Sample ID:	L1390-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044308.D	1	02/05/20 08:15	02/05/20 17:27	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.57		0.15	0.37	mg/Kg
83-32-9	Acenaphthene	1.70		0.077	0.37	mg/Kg
51-28-5	2,4-Dinitrophenol	3.40		0.099	0.37	mg/Kg
100-02-7	4-Nitrophenol	4.10	E	0.073	0.37	mg/Kg
132-64-9	Dibenzofuran	1.80		0.10	0.37	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.80		0.094	0.37	mg/Kg
84-66-2	Diethylphthalate	1.70		0.071	0.37	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.70		0.094	0.37	mg/Kg
86-73-7	Fluorene	1.80		0.058	0.37	mg/Kg
100-01-6	4-Nitroaniline	1.60		0.099	0.37	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2.00		0.079	0.37	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.80		0.087	0.37	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.70		0.064	0.37	mg/Kg
118-74-1	Hexachlorobenzene	1.70		0.075	0.37	mg/Kg
1912-24-9	Atrazine	2.00		0.090	0.37	mg/Kg
87-86-5	Pentachlorophenol	3.70		0.12	0.37	mg/Kg
85-01-8	Phenanthrene	1.70		0.064	0.37	mg/Kg
120-12-7	Anthracene	1.80		0.063	0.37	mg/Kg
86-74-8	Carbazole	1.70		0.10	0.37	mg/Kg
84-74-2	Di-n-butylphthalate	1.70		0.11	0.37	mg/Kg
206-44-0	Fluoranthene	1.70		0.056	0.37	mg/Kg
129-00-0	Pyrene	1.70		0.069	0.37	mg/Kg
85-68-7	Butylbenzylphthalate	1.80		0.072	0.37	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.94		0.17	0.37	mg/Kg
56-55-3	Benzo(a)anthracene	1.80		0.042	0.37	mg/Kg
218-01-9	Chrysene	1.70		0.048	0.37	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.80		0.10	0.37	mg/Kg
117-84-0	Di-n-octyl phthalate	1.80		0.081	0.37	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.70		0.055	0.37	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.80		0.064	0.37	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.050	0.37	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.80		0.082	0.37	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.80		0.059	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2MS	SDG No.:	L1390
Lab Sample ID:	L1390-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044308.D	1	02/05/20 08:15	02/05/20 17:27	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1.80		0.069	0.37	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.50		0.088	0.37	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.90		0.047	0.37	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		28 - 127	84%	SPK: 150
13127-88-3	Phenol-d6	127		34 - 127	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.1		31 - 132	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.7		39 - 123	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133	78%	SPK: 150
1718-51-0	Terphenyl-d14	71.8		37 - 115	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81900	7.92			
1146-65-2	Naphthalene-d8	359000	10.71			
15067-26-2	Acenaphthene-d10	252000	14.56			
1517-22-2	Phenanthrene-d10	553000	17.3			
1719-03-5	Chrysene-d12	486000	21.55			
1520-96-3	Perylene-d12	560000	24.64			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2MSD	SDG No.:	L1390
Lab Sample ID:	L1390-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044309.D	1	02/05/20 08:15	02/05/20 18:06	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.30		0.11	0.37	mg/Kg
108-95-2	Phenol	2.20		0.071	0.37	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.70		0.12	0.37	mg/Kg
95-57-8	2-Chlorophenol	2.10		0.074	0.37	mg/Kg
95-48-7	2-Methylphenol	2.10		0.079	0.37	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.60		0.100	0.37	mg/Kg
98-86-2	Acetophenone	1.50		0.10	0.37	mg/Kg
65794-96-9	3+4-Methylphenols	2.10		0.11	0.37	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.70		0.15	0.37	mg/Kg
67-72-1	Hexachloroethane	1.60		0.095	0.37	mg/Kg
98-95-3	Nitrobenzene	1.60		0.049	0.37	mg/Kg
78-59-1	Isophorone	1.70		0.041	0.37	mg/Kg
88-75-5	2-Nitrophenol	1.80		0.086	0.37	mg/Kg
105-67-9	2,4-Dimethylphenol	2.20		0.062	0.37	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.60		0.058	0.37	mg/Kg
120-83-2	2,4-Dichlorophenol	1.90		0.058	0.37	mg/Kg
91-20-3	Naphthalene	1.70		0.056	0.37	mg/Kg
106-47-8	4-Chloroaniline	0.37		0.16	0.37	mg/Kg
87-68-3	Hexachlorobutadiene	1.40		0.069	0.37	mg/Kg
105-60-2	Caprolactam	2.10		0.13	0.37	mg/Kg
59-50-7	4-Chloro-3-methylphenol	2.10		0.067	0.37	mg/Kg
91-57-6	2-Methylnaphthalene	1.70		0.069	0.37	mg/Kg
77-47-4	Hexachlorocyclopentadiene	3.30		0.25	0.37	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.80		0.068	0.37	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.90		0.067	0.37	mg/Kg
92-52-4	1,1-Biphenyl	1.60		0.12	0.37	mg/Kg
91-58-7	2-Chloronaphthalene	1.60		0.085	0.37	mg/Kg
88-74-4	2-Nitroaniline	1.70		0.078	0.37	mg/Kg
131-11-3	Dimethylphthalate	1.80		0.057	0.37	mg/Kg
208-96-8	Acenaphthylene	1.70		0.068	0.37	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.80		0.080	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2MSD	SDG No.:	L1390
Lab Sample ID:	L1390-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044309.D	1	02/05/20 08:15	02/05/20 18:06	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.55		0.15	0.37	mg/Kg
83-32-9	Acenaphthene	1.70		0.077	0.37	mg/Kg
51-28-5	2,4-Dinitrophenol	3.50		0.099	0.37	mg/Kg
100-02-7	4-Nitrophenol	4.10	E	0.073	0.37	mg/Kg
132-64-9	Dibenzofuran	1.70		0.10	0.37	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.80		0.094	0.37	mg/Kg
84-66-2	Diethylphthalate	1.70		0.071	0.37	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.70		0.094	0.37	mg/Kg
86-73-7	Fluorene	1.80		0.057	0.37	mg/Kg
100-01-6	4-Nitroaniline	1.60		0.099	0.37	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.90		0.079	0.37	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.70		0.087	0.37	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.60		0.064	0.37	mg/Kg
118-74-1	Hexachlorobenzene	1.50		0.075	0.37	mg/Kg
1912-24-9	Atrazine	1.90		0.090	0.37	mg/Kg
87-86-5	Pentachlorophenol	3.50		0.12	0.37	mg/Kg
85-01-8	Phenanthrene	1.70		0.064	0.37	mg/Kg
120-12-7	Anthracene	1.70		0.063	0.37	mg/Kg
86-74-8	Carbazole	1.70		0.10	0.37	mg/Kg
84-74-2	Di-n-butylphthalate	1.70		0.11	0.37	mg/Kg
206-44-0	Fluoranthene	1.70		0.056	0.37	mg/Kg
129-00-0	Pyrene	1.70		0.069	0.37	mg/Kg
85-68-7	Butylbenzylphthalate	1.70		0.072	0.37	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.95		0.17	0.37	mg/Kg
56-55-3	Benzo(a)anthracene	1.70		0.042	0.37	mg/Kg
218-01-9	Chrysene	1.70		0.048	0.37	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.70		0.10	0.37	mg/Kg
117-84-0	Di-n-octyl phthalate	1.70		0.080	0.37	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.70		0.055	0.37	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.70		0.064	0.37	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.050	0.37	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.70		0.082	0.37	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.70		0.059	0.37	mg/Kg

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2MSD	SDG No.:	L1390
Lab Sample ID:	L1390-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG044309.D	1	02/05/20 08:15	02/05/20 18:06	PB126599

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1.70		0.069	0.37	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40		0.088	0.37	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.90		0.047	0.37	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	115		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	116		34 - 127	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.1		31 - 132	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.9		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 - 133	71%	SPK: 150
1718-51-0	Terphenyl-d14	64.9		37 - 115	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	72800	7.91
1146-65-2	Naphthalene-d8	332000	10.71
15067-26-2	Acenaphthene-d10	240000	14.56
1517-22-2	Phenanthrene-d10	554000	17.3
1719-03-5	Chrysene-d12	485000	21.55
1520-96-3	Perylene-d12	560000	24.64

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF020320.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF118791.D 20 =BF118792.D 40 =BF118793.D 50 =BF118794.D 60 =BF118795.D 80 =BF118796.D 100 =BF118797.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.530	0.521	0.481	0.492	0.477	0.444	0.425	0.482	7.86
3)	Pyridine	1.464	1.400	1.359	1.358	1.331	1.243	1.204	1.337	6.65
4)	n-Nitrosodimet...	0.508	0.511	0.492	0.502	0.483	0.463	0.449	0.487	4.87
5) S	2-Fluorophenol	1.246	1.201	1.077	1.057	1.029	0.926	0.859	1.057	13.03
6)	Aniline	1.947	1.912	1.741	1.726	1.621	1.490	1.387	1.689	12.22
7) S	Phenol-d6	1.561	1.486	1.351	1.318	1.262	1.139	1.065	1.312	13.47
8)	2-Chlorophenol	1.365	1.324	1.225	1.196	1.139	1.026	0.962	1.177	12.52
9)	Benzaldehyde	0.985	0.921	0.757	0.667	0.650	0.504		0.748	24.06
10) C	Phenol	1.730	1.673	1.510	1.463	1.389	1.261	1.182	1.458	13.79
11)	bis(2-Chloroet...	1.278	1.238	1.139	1.134	1.078	1.001	0.941	1.116	10.81
12)	1,3-Dichlorobe...	1.641	1.576	1.442	1.415	1.357	1.224	1.150	1.401	12.58
13) C	1,4-Dichlorobe...	1.631	1.581	1.445	1.408	1.358	1.217	1.140	1.397	12.77
14)	1,2-Dichlorobe...	1.569	1.499	1.344	1.291	1.222	1.084		1.335	13.38
15)	Benzyl Alcohol	1.168	1.144	1.063	1.031	0.981	0.889	0.821	1.014	12.55
16)	2,2'-oxybis(1-...	1.570	1.538	1.410	1.373	1.322	1.218	1.134	1.366	11.62
17)	2-Methylphenol	1.115	1.073	1.000	0.985	0.948	0.884	0.844	0.978	9.85
18)	Hexachloroethane	0.562	0.552	0.517	0.510	0.493	0.449	0.427	0.501	9.91
19) P	n-Nitroso-di-n...	0.934	0.905	0.811	0.801	0.757	0.723	0.686	0.802	11.35
20)	3+4-Methylphenols	1.424	1.342	1.180	1.128	1.058			1.226	12.41
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.509	0.487	0.436	0.436	0.418	0.389	0.366	0.435	11.61
23) S	Nitrobenzene-d5	0.369	0.363	0.337	0.338	0.330	0.314	0.298	0.336	7.49
24)	Nitrobenzene	0.367	0.365	0.337	0.339	0.333	0.312	0.293	0.335	7.89
25)	Isophorone	0.655	0.644	0.599	0.605	0.589	0.572	0.558	0.603	5.88
26) C	2-Nitrophenol	0.179	0.184	0.179	0.186	0.180	0.173	0.170	0.179	3.16
27)	2,4-Dimethylph...	0.259	0.259	0.243	0.247	0.239	0.229	0.222	0.243	5.70
28)	bis(2-Chloroet...	0.437	0.423	0.391	0.396	0.383	0.364	0.343	0.391	8.24
29) C	2,4-Dichloroph...	0.314	0.311	0.293	0.296	0.289	0.272	0.259	0.291	6.79
30)	1,2,4-Trichlor...	0.380	0.373	0.345	0.342	0.335	0.310	0.293	0.340	9.23
31)	Naphthalene	1.084	1.039	0.923	0.916	0.890	0.803	0.747	0.915	13.05
32)	Benzoic acid	0.166	0.190	0.178	0.224	0.214	0.219	0.215	0.201	11.36
33)	4-Chloroaniline	0.456	0.447	0.409	0.410	0.392	0.384	0.367	0.409	7.91
34) C	Hexachlorobuta...	0.229	0.228	0.210	0.211	0.207	0.190	0.181	0.208	8.67
35)	Caprolactam	0.100	0.095	0.091	0.094	0.093	0.091	0.096	0.094	3.25
36) C	4-Chloro-3-met...	0.319	0.314	0.292	0.296	0.287	0.274	0.265	0.292	6.68
37)	2-Methylnaphth...	0.747	0.717	0.643	0.632	0.609	0.561	0.533	0.634	12.19
38)	1-Methylnaphth...	0.693	0.675	0.605	0.600	0.579	0.526	0.500	0.597	11.88

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF020320.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.706	0.676	0.616	0.606	0.589	0.534	0.498	0.604	12.09	
41) P	Hexachlorocycl...	0.174	0.223	0.246	0.257	0.256	0.253	0.247	0.237	12.55	
42) S	2,4,6-Tribromo...	0.268	0.262	0.245	0.242	0.232	0.220	0.206	0.239	9.26	
43) C	2,4,6-Trichlor...	0.429	0.433	0.413	0.412	0.398	0.377	0.362	0.404	6.49	
44)	2,4,5-Trichlor...	0.446	0.440	0.419	0.418	0.412	0.382	0.370	0.412	6.79	
45) S	2-Fluorobiphenyl	1.352	1.148	1.102	1.061	0.930		1.119		13.73	
46)	1,1'-Biphenyl	1.665	1.589	1.417	1.382	1.339	1.195	1.098	1.383	14.51	
47)	2-Chloronaphth...	1.343	1.292	1.169	1.163	1.116	1.014	0.954	1.150	12.07	
48)	2-Nitroaniline	0.351	0.346	0.337	0.340	0.325	0.311	0.312	0.332	4.81	
49)	Acenaphthylene	1.975	1.876	1.688	1.667	1.622	1.439	1.357	1.661	13.20	
50)	Dimethylphthalate	1.552	1.493	1.373	1.350	1.325	1.237	1.203	1.362	9.30	
51)	2,6-Dinitrotol...	0.330	0.331	0.315	0.318	0.309	0.294	0.285	0.312	5.49	
52) C	Acenaphthene	1.273	1.204	1.116	1.102	1.067	0.977	0.921	1.094	11.13	
53)	3-Nitroaniline	0.370	0.364	0.345	0.356	0.345	0.322	0.317	0.346	5.84	
54) P	2,4-Dinitrophenol	0.109	0.140	0.152	0.164	0.158	0.163	0.163	0.150	13.22	
55)	Dibenzofuran	1.876	1.747	1.561	1.524	1.474	1.307		1.581	12.79	
56) P	4-Nitrophenol	0.257	0.254	0.249	0.261	0.250	0.241	0.238	0.250	3.28	
57)	2,4-Dinitrotol...	0.439	0.437	0.419	0.422	0.414	0.390	0.365	0.412	6.46	
58)	Fluorene	1.444	1.333	1.170	1.127	1.091	0.973		1.190	14.37	
59)	2,3,4,6-Tetrac...	0.388	0.389	0.368	0.377	0.357	0.329	0.312	0.360	8.26	
60)	Diethylphthalate	1.545	1.468	1.344	1.332	1.291	1.176	1.113	1.324	11.43	
61)	4-Chlorophenyl...	0.775	0.722	0.637	0.614	0.596	0.527		0.645	13.91	
62)	4-Nitroaniline	0.373	0.360	0.345	0.354	0.340	0.330	0.321	0.346	5.15	
63)	Azobenzene	1.312	1.266	1.152	1.128	1.101	1.012	0.943	1.131	11.52	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.109	0.114	0.120	0.117	0.114	0.114	0.112	5.92	
66) c	n-Nitrosodiphe...	0.678	0.650	0.589	0.584	0.561	0.504	0.489	0.579	11.98	
67)	4-Bromophenyl-...	0.268	0.261	0.239	0.238	0.232	0.214	0.204	0.237	9.82	
68)	Hexachlorobenzene	0.311	0.300	0.275	0.275	0.264	0.242	0.233	0.271	10.39	
69)	Atrazine	0.230	0.218	0.192	0.186	0.178	0.155		0.193	14.16	
70) C	Pentachlorophenol	0.140	0.151	0.149	0.150	0.145	0.137	0.132	0.143	5.06	
71)	Phenanthrene	1.170	1.110	0.968	0.949	0.904	0.803		0.984	13.71	
72)	Anthracene	1.176	1.094	0.952	0.943	0.906	0.802		0.979	13.73	
73)	Carbazole	1.040	0.973	0.873	0.870	0.817	0.749	0.693	0.859	14.07	
74)	Di-n-butylphth...	1.290	1.237	1.080	1.050	1.011	0.898		1.094	13.32	
75) C	Fluoranthene	1.295	1.216	1.045	1.042	0.977	0.870		1.074	14.54	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.688	0.670	0.636	0.589	0.562	0.484		0.605	12.55	
78)	Pyrene	1.520	1.471	1.373	1.331	1.380	1.277	1.252	1.372	7.09	
79) S	Terphenyl-d14	1.199	1.116	0.981	0.917	0.944	0.841	0.819	0.974	14.34	
80)	Butylbenzylphth...	0.636	0.644	0.638	0.618	0.634	0.616	0.597	0.626	2.61	
81)	Benzo(a)anthra...	1.404	1.329	1.183	1.188	1.156	1.050	1.021	1.190	11.63	
82)	3,3'-Dichlorob...	0.556	0.554	0.504	0.495	0.475	0.424	0.399	0.487	12.26	
83)	Chrysene	1.375	1.331	1.219	1.175	1.160	1.085	1.016	1.194	10.65	
84)	Bis(2-ethylhex...	0.883	0.884	0.824	0.769	0.775	0.731	0.695	0.795	9.15	
85) c	Di-n-octyl pht...	1.514	1.523	1.415	1.336	1.311	1.241	1.187	1.361	9.51	
86)	Indeno(1,2,3-c...	1.443	1.372	1.131	1.177	1.122	1.071	1.085	1.200	12.25	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG013020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jan 30 16:05:09 2020
 Response Via : Initial Calibration

Calibration Files

10 =BG044243.D 20 =BG044244.D 40 =BG044245.D 50 =BG044246.D 60 =BG044247.D 80 =BG044248.D 100 =BG044249.D

Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.566	0.535	0.527	0.517	0.492	0.470	0.457	0.509	7.54
3) Pyridine	1.544	1.547	1.527	1.321	1.249	1.166	1.141	1.357	13.33
4) n-Nitrosodimet...	0.610	0.592	0.575	0.577	0.553	0.546	0.515	0.567	5.59
5) S 2-Fluorophenol	1.237	1.235	1.172	1.149	1.101	1.063	0.976	1.133	8.35
6) Aniline	2.015	1.990	1.975	1.907	1.848	1.822	1.666	1.889	6.47
7) S Phenol-d6	1.659	1.645	1.576	1.551	1.476	1.435	1.310	1.522	8.14
8) 2-Chlorophenol	1.367	1.340	1.297	1.252	1.209	1.170	1.084	1.245	7.99
9) Benzaldehyde	0.994	0.966	0.852	0.797	0.725			0.867	13.07
10) C Phenol	1.619	1.610	1.566	1.535	1.473	1.416	1.322	1.506	7.23
11) bis(2-Chloroet...	1.423	1.381	1.328	1.298	1.240	1.222	1.121	1.288	7.96
12) 1,3-Dichlorobe...	1.656	1.613	1.516	1.502	1.446	1.389	1.287	1.487	8.53
13) C 1,4-Dichlorobe...	1.635	1.593	1.520	1.479	1.416	1.382	1.284	1.473	8.33
14) 1,2-Dichlorobe...	1.545	1.519	1.442	1.402	1.337	1.303	1.198	1.392	8.84
15) Benzyl Alcohol	1.077	1.107	1.128	1.108	1.073	1.071	0.979	1.077	4.49
16) 2,2'-oxybis(1-...	1.894	1.827	1.807	1.764	1.688	1.671	1.549	1.743	6.64
17) 2-Methylphenol	1.142	1.126	1.112	1.101	1.053	1.029	0.958	1.075	6.05
18) Hexachloroethane	0.602	0.594	0.562	0.558	0.538	0.523	0.492	0.553	7.00
19) P n-Nitroso-di-n...	1.092	1.077	1.053	1.030	0.983	0.975	0.889	1.014	6.96
20) 3+4-Methylphenols	1.544	1.543	1.555	1.508	1.463	1.435	1.318	1.481	5.72
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.521	0.513	0.486	0.500	0.480	0.460	0.445	0.487	5.66
23) S Nitrobenzene-d5	0.371	0.372	0.355	0.364	0.352	0.338	0.328	0.354	4.73
24) Nitrobenzene	0.362	0.358	0.342	0.358	0.344	0.332	0.324	0.346	4.16
25) Isophorone	0.685	0.679	0.658	0.673	0.657	0.640	0.630	0.660	3.10
26) C 2-Nitrophenol	0.161	0.173	0.182	0.190	0.189	0.183	0.179	0.179	5.49
27) 2,4-Dimethylph...	0.256	0.253	0.255	0.262	0.256	0.248	0.243	0.253	2.42
28) bis(2-Chloroet...	0.465	0.457	0.443	0.452	0.436	0.419	0.411	0.440	4.49
29) C 2,4-Dichloroph...	0.303	0.309	0.307	0.316	0.311	0.302	0.296	0.306	2.12
30) 1,2,4-Trichlor...	0.370	0.360	0.349	0.360	0.353	0.335	0.331	0.351	3.98
31) Naphthalene	1.073	1.026	0.967	0.989	0.949	0.910	0.877	0.970	6.91
32) Benzoic acid	0.020	0.050	0.133	0.161	0.178	0.194	0.209	0.135	54.10
33) 4-Chloroaniline	0.452	0.450	0.439	0.451	0.440	0.431	0.427	0.441	2.32
34) C Hexachlorobuta...	0.229	0.219	0.217	0.222	0.218	0.206	0.203	0.216	4.19
35) Caprolactam	0.106	0.107	0.111	0.116	0.111	0.116	0.117	0.112	3.96
36) C 4-Chloro-3-met...	0.329	0.320	0.317	0.330	0.321	0.315	0.315	0.321	1.94
37) 2-Methylnaphth...	0.785	0.759	0.716	0.733	0.708	0.681	0.661	0.720	5.94
38) 1-Methylnaphth...	0.740	0.709	0.678	0.688	0.669	0.645	0.626	0.679	5.66

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG013020.M

39) I	Acenaphthene-d10	-----ISTD-----	
40)	1,2,4,5-Tetrac...	0.635 0.628 0.603 0.611 0.598 0.565 0.548 0.598	5.32
41) P	Hexachlorocycl...	0.240 0.263 0.298 0.310 0.313 0.294 0.292 0.287	9.23
42) S	2,4,6-Tribromo...	0.226 0.233 0.231 0.244 0.239 0.238 0.233 0.235	2.54
43) C	2,4,6-Trichlor...	0.373 0.384 0.391 0.401 0.398 0.383 0.378 0.387	2.71
44)	2,4,5-Trichlor...	0.366 0.382 0.400 0.417 0.411 0.397 0.391 0.395	4.38
45) S	2-Fluorobiphenyl	1.424 1.356 1.207 1.204 1.143 1.051 0.975 1.194	13.28
46)	1,1'-Biphenyl	1.627 1.548 1.442 1.478 1.414 1.328 1.261 1.443	8.64
47)	2-Chloronaphth...	1.268 1.230 1.139 1.170 1.131 1.075 1.024 1.148	7.35
48)	2-Nitroaniline	0.324 0.343 0.335 0.354 0.340 0.341 0.334 0.339	2.70
49)	Acenaphthylene	1.880 1.817 1.683 1.718 1.649 1.559 1.481 1.684	8.23
50)	Dimethylphthalate	1.618 1.531 1.424 1.463 1.392 1.350 1.286 1.438	7.78
51)	2,6-Dinitrotol...	0.337 0.325 0.314 0.327 0.319 0.315 0.308 0.321	2.96
52) C	Acenaphthene	1.182 1.162 1.078 1.116 1.072 1.037 0.992 1.091	6.18
53)	3-Nitroaniline	0.344 0.360 0.351 0.370 0.358 0.352 0.349 0.355	2.40
54) P	2,4-Dinitrophenol	0.084 0.120 0.164 0.179 0.182 0.190 0.195 0.159	26.13
55)	Dibenzofuran	1.904 1.799 1.645 1.671 1.593 1.523 1.432 1.652	9.69
56) P	4-Nitrophenol	0.205 0.245 0.262 0.280 0.270 0.279 0.278 0.260	10.53
57)	2,4-Dinitrotol...	0.447 0.456 0.439 0.466 0.447 0.449 0.442 0.449	2.02
58)	Fluorene	1.479 1.411 1.286 1.319 1.259 1.208 1.148 1.301	8.77
59)	2,3,4,6-Tetrac...	0.350 0.341 0.355 0.370 0.364 0.364 0.354 0.357	2.75
60)	Diethylphthalate	1.589 1.531 1.411 1.463 1.382 1.354 1.297 1.433	7.13
61)	4-Chlorophenyl...	0.770 0.745 0.699 0.716 0.692 0.672 0.647 0.706	5.98
62)	4-Nitroaniline	0.351 0.359 0.343 0.365 0.353 0.356 0.353 0.354	1.96
63)	Azobenzene	1.381 1.337 1.243 1.276 1.224 1.187 1.139 1.256	6.67
64) I	Phenanthrene-d10	-----ISTD-----	
65)	4,6-Dinitro-2-...	0.088 0.103 0.113 0.118 0.118 0.116 0.117 0.110	9.99
66) c	n-Nitrosodiphe...	0.608 0.599 0.567 0.573 0.557 0.524 0.496 0.560	7.05
67)	4-Bromophenyl-...	0.225 0.224 0.220 0.224 0.220 0.210 0.202 0.218	3.94
68)	Hexachlorobenzene	0.262 0.250 0.245 0.251 0.244 0.231 0.226 0.244	5.08
69)	Atrazine	0.210 0.213 0.198 0.201 0.190 0.172 0.161 0.192	10.01
70) C	Pentachlorophenol	0.076 0.100 0.121 0.125 0.127 0.120 0.124 0.113	16.77
71)	Phenanthrene	1.109 1.076 0.976 0.986 0.940 0.872 0.820 0.968	10.67
72)	Anthracene	1.085 1.064 0.963 0.983 0.929 0.869 0.808 0.957	10.38
73)	Carbazole	0.970 0.980 0.892 0.909 0.857 0.805 0.766 0.883	9.00
74)	Di-n-butylphth...	1.220 1.228 1.125 1.134 1.054 0.970 0.904 1.091	11.20
75) C	Fluoranthene	1.282 1.260 1.141 1.148 1.073 1.004 0.934 1.120	11.37
76) I	Chrysene-d12	-----ISTD-----	
77)	Benzidine	0.533 0.617 0.630 0.599 0.560 0.463 0.482 0.555	11.78
78)	Pyrene	1.520 1.419 1.309 1.305 1.247 1.146 1.044 1.284	12.43
79) S	Terphenyl-d14	1.148 1.063 0.922 0.900 0.828	0.972 13.39
80)	Butylbenzylpht...	0.603 0.604 0.601 0.617 0.590 0.556 0.528 0.585	5.46
81)	Benzo(a)anthra...	1.390 1.332 1.250 1.257 1.207 1.133 1.059 1.233	9.15
82)	3,3'-Dichlorob...	0.492 0.499 0.501 0.503 0.477 0.449 0.429 0.478	6.06
83)	Chrysene	1.357 1.296 1.214 1.213 1.163 1.084 1.013 1.191	9.91
84)	Bis(2-ethylhex...	0.894 0.886 0.825 0.828 0.786 0.735 0.686 0.806	9.45
85) c	Di-n-octyl pht...	1.509 1.494 1.436 1.453 1.362 1.304 1.199 1.394	8.05
86)	Indeno(1,2,3-c...	1.573 1.591 1.547 1.595 1.527 1.538 1.509 1.554	2.11

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG013020.M

87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.219	1.228	1.155	1.190	1.161	1.076	1.038	1.152	6.20	
89)	Benzo(k)fluora...	1.245	1.212	1.145	1.141	1.100	1.052	0.967	1.123	8.41	
90) C	Benzo(a)pyrene	1.138	1.150	1.103	1.127	1.090	1.035	0.985	1.090	5.47	
91)	Dibenzo(a,h)an...	1.107	1.135	1.076	1.110	1.074	1.037	1.010	1.078	4.05	
92)	Benzo(g,h,i)pe...	1.110	1.124	1.076	1.113	1.072	1.040	1.022	1.080	3.58	

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_F Calibration Date/Time: 02/05/2020 11:08
 Lab File ID: BF118822.D Init. Calib. Date(s): 02/03/2020 02/03/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:22 14:07
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.057	1.103		4.4	
Benzaldehyde	0.748	0.755		0.9	
Phenol-d6	1.312	1.344		2.4	
Phenol	1.458	1.487		2.0	20.0
bis(2-Chloroethyl) ether	1.116	1.128		1.1	
2-Chlorophenol	1.177	1.220		3.7	
2-Methylphenol	0.978	0.992		1.4	
2,2-oxybis(1-Chloropropane)	1.366	1.386		1.5	
Acetophenone	0.435	0.440		1.1	
3+4-Methylphenols	1.226	1.175		-4.2	
n-Nitroso-di-n-propylamine	0.802	0.790	0.050	-1.5	
Nitrobenzene-d5	0.336	0.336		0.0	
Hexachloroethane	0.501	0.514		2.6	
Nitrobenzene	0.335	0.333		-0.6	
Isophorone	0.603	0.584		-3.2	
2-Nitrophenol	0.179	0.181		1.1	20.0
2,4-Dimethylphenol	0.243	0.240		-1.2	
bis(2-Chloroethoxy) methane	0.391	0.390		-0.3	
2,4-Dichlorophenol	0.291	0.292		0.3	20.0
Naphthalene	0.915	0.935		2.2	
4-Chloroaniline	0.409	0.407		-0.5	
Hexachlorobutadiene	0.208	0.212		1.9	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.292	0.293		0.3	20.0
2-Methylnaphthalene	0.634	0.644		1.6	
Hexachlorocyclopentadiene	0.237	0.212	0.050	-10.5	
2,4,6-Trichlorophenol	0.404	0.388		-4.0	20.0
2-Fluorobiphenyl	1.119	1.128		0.8	
2,4,5-Trichlorophenol	0.412	0.395		-4.1	
1,1-Biphenyl	1.383	1.376		-0.6	
2-Chloronaphthalene	1.150	1.141		-0.8	
2-Nitroaniline	0.332	0.315		-5.1	
Dimethylphthalate	1.362	1.367		0.4	
Acenaphthylene	1.661	1.704		2.6	
2,6-Dinitrotoluene	0.312	0.309		-1.0	
3-Nitroaniline	0.346	0.345		-0.3	
Acenaphthene	1.094	1.115		1.9	20.0
2,4-Dinitrophenol	0.150	0.139	0.050	-7.3	
4-Nitrophenol	0.250	0.240	0.050	-4.0	
Dibenzofuran	1.581	1.572		-0.6	
2,4-Dinitrotoluene	0.412	0.415		0.7	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_F Calibration Date/Time: 02/05/2020 11:08
 Lab File ID: BF118822.D Init. Calib. Date(s): 02/03/2020 02/03/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:22 14:07
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.324	1.338		1.1	
4-Chlorophenyl-phenylether	0.645	0.641		-0.6	
Fluorene	1.190	1.196		0.5	
4-Nitroaniline	0.346	0.344		-0.6	
4,6-Dinitro-2-methylphenol	0.112	0.109		-2.7	
n-Nitrosodiphenylamine	0.579	0.591		2.1	20.0
2,4,6-Tribromophenol	0.239	0.239		0.0	
4-Bromophenyl-phenylether	0.237	0.238		0.4	
Hexachlorobenzene	0.271	0.272		0.4	
Atrazine	0.193	0.191		-1.0	
Pentachlorophenol	0.143	0.135		-5.6	20.0
Phenanthrene	0.984	0.986		0.2	
Anthracene	0.979	0.979		0.0	
Carbazole	0.859	0.888		3.4	
Di-n-butylphthalate	1.094	1.097		0.3	
Fluoranthene	1.074	1.045		-2.7	20.0
Pyrene	1.372	1.458		6.3	
Terphenyl-d14	0.974	1.029		5.6	
Butylbenzylphthalate	0.626	0.641		2.4	
3,3-Dichlorobenzidine	0.487	0.499		2.5	
Benzo(a)anthracene	1.190	1.233		3.6	
Chrysene	1.194	1.216		1.8	
Bis(2-ethylhexyl)phthalate	0.795	0.825		3.8	
Di-n-octyl phthalate	1.361	1.340		-1.5	20.0
Benzo(b)fluoranthene	1.241	1.178		-5.1	
Benzo(k)fluoranthene	1.081	1.191		10.2	
Benzo(a)pyrene	1.062	1.073		1.0	20.0
Indeno(1,2,3-cd)pyrene	1.200	1.165		-2.9	
Dibenzo(a,h)anthracene	0.943	0.986		4.6	
Benzo(g,h,i)perylene	0.907	0.908		0.1	
1,2,4,5-Tetrachlorobenzene	0.604	0.594		-1.7	
2,3,4,6-Tetrachlorophenol	0.360	0.357		-0.8	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_G Calibration Date/Time: 02/05/2020 12:49
 Lab File ID: BG044301.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:37 14:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.133	1.183		4.4	
Benzaldehyde	0.867	0.864		-0.3	
Phenol-d6	1.522	1.636		7.5	
Phenol	1.506	1.613		7.1	20.0
bis(2-Chloroethyl) ether	1.288	1.297		0.7	
2-Chlorophenol	1.245	1.299		4.3	
2-Methylphenol	1.075	1.135		5.6	
2,2-oxybis(1-Chloropropane)	1.743	1.780		2.1	
Acetophenone	0.487	0.484		-0.6	
3+4-Methylphenols	1.481	1.612		8.8	
n-Nitroso-di-n-propylamine	1.014	1.053	0.050	3.8	
Nitrobenzene-d5	0.354	0.358		1.1	
Hexachloroethane	0.553	0.559		1.1	
Nitrobenzene	0.346	0.348		0.6	
Isophorone	0.660	0.665		0.8	
2-Nitrophenol	0.179	0.187		4.5	20.0
2,4-Dimethylphenol	0.253	0.258		2.0	
bis(2-Chloroethoxy) methane	0.440	0.438		-0.5	
2,4-Dichlorophenol	0.306	0.320		4.6	20.0
Naphthalene	0.970	0.983		1.3	
4-Chloroaniline	0.441	0.466		5.7	
Hexachlorobutadiene	0.216	0.207		-4.2	20.0
Caprolactam	0.112	0.127		13.4	
4-Chloro-3-methylphenol	0.321	0.355		10.6	20.0
2-Methylnaphthalene	0.720	0.744		3.3	
Hexachlorocyclopentadiene	0.287	0.281	0.050	-2.1	
2,4,6-Trichlorophenol	0.387	0.399		3.1	20.0
2-Fluorobiphenyl	1.194	1.174		-1.7	
2,4,5-Trichlorophenol	0.395	0.416		5.3	
1,1-Biphenyl	1.443	1.416		-1.9	
2-Chloronaphthalene	1.148	1.129		-1.7	
2-Nitroaniline	0.339	0.357		5.3	
Dimethylphthalate	1.438	1.453		1.0	
Acenaphthylene	1.684	1.701		1.0	
2,6-Dinitrotoluene	0.321	0.325		1.2	
3-Nitroaniline	0.355	0.371		4.5	
Acenaphthene	1.091	1.101		0.9	20.0
2,4-Dinitrophenol	0.159	0.164	0.050	3.1	
4-Nitrophenol	0.260	0.268	0.050	3.1	
Dibenzofuran	1.652	1.689		2.2	
2,4-Dinitrotoluene	0.449	0.464		3.3	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_G Calibration Date/Time: 02/05/2020 12:49
 Lab File ID: BG044301.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:37 14:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.433	1.472		2.7	
4-Chlorophenyl-phenylether	0.706	0.705		-0.1	
Fluorene	1.301	1.344		3.3	
4-Nitroaniline	0.354	0.371		4.8	
4,6-Dinitro-2-methylphenol	0.110	0.110		0.0	
n-Nitrosodiphenylamine	0.560	0.566		1.1	20.0
2,4,6-Tribromophenol	0.235	0.246		4.7	
4-Bromophenyl-phenylether	0.218	0.216		-0.9	
Hexachlorobenzene	0.244	0.241		-1.2	
Atrazine	0.192	0.191		-0.5	
Pentachlorophenol	0.113	0.119		5.3	20.0
Phenanthrene	0.968	0.986		1.9	
Anthracene	0.957	0.969		1.3	
Carbazole	0.883	0.901		2.0	
Di-n-butylphthalate	1.091	1.120		2.7	
Fluoranthene	1.120	1.143		2.1	20.0
Pyrene	1.284	1.305		1.6	
Terphenyl-d14	0.972	0.923		-5.0	
Butylbenzylphthalate	0.585	0.608		3.9	
3,3-Dichlorobenzidine	0.478	0.507		6.1	
Benzo(a)anthracene	1.233	1.267		2.8	
Chrysene	1.191	1.221		2.5	
Bis(2-ethylhexyl)phthalate	0.806	0.830		3.0	
Di-n-octyl phthalate	1.394	1.456		4.4	20.0
Benzo(b)fluoranthene	1.152	1.170		1.6	
Benzo(k)fluoranthene	1.123	1.131		0.7	
Benzo(a)pyrene	1.090	1.107		1.6	20.0
Indeno(1,2,3-cd)pyrene	1.554	1.566		0.8	
Dibenzo(a,h)anthracene	1.078	1.085		0.6	
Benzo(g,h,i)perylene	1.080	1.083		0.3	
1,2,4,5-Tetrachlorobenzene	0.598	0.564		-5.7	
2,3,4,6-Tetrachlorophenol	0.357	0.376		5.3	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_G Calibration Date/Time: 02/06/2020 11:45
 Lab File ID: BG044318.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:37 14:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.133	1.164		2.7	
Benzaldehyde	0.867	0.824		-5.0	
Phenol-d6	1.522	1.522		0.0	
Phenol	1.506	1.507		0.1	20.0
bis(2-Chloroethyl) ether	1.288	1.259		-2.3	
2-Chlorophenol	1.245	1.266		1.7	
2-Methylphenol	1.075	1.063		-1.1	
2,2-oxybis(1-Chloropropane)	1.743	1.720		-1.3	
Acetophenone	0.487	0.485		-0.4	
3+4-Methylphenols	1.481	1.476		-0.3	
n-Nitroso-di-n-propylamine	1.014	0.965	0.050	-4.8	
Nitrobenzene-d5	0.354	0.346		-2.3	
Hexachloroethane	0.553	0.551		-0.4	
Nitrobenzene	0.346	0.336		-2.9	
Isophorone	0.660	0.638		-3.3	
2-Nitrophenol	0.179	0.184		2.8	20.0
2,4-Dimethylphenol	0.253	0.252		-0.4	
bis(2-Chloroethoxy) methane	0.440	0.432		-1.8	
2,4-Dichlorophenol	0.306	0.306		0.0	20.0
Naphthalene	0.970	0.968		-0.2	
4-Chloroaniline	0.441	0.440		-0.2	
Hexachlorobutadiene	0.216	0.215		-0.5	20.0
Caprolactam	0.112	0.109		-2.7	
4-Chloro-3-methylphenol	0.321	0.311		-3.1	20.0
2-Methylnaphthalene	0.720	0.716		-0.6	
Hexachlorocyclopentadiene	0.287	0.341	0.050	18.8	
2,4,6-Trichlorophenol	0.387	0.396		2.3	20.0
2-Fluorobiphenyl	1.194	1.213		1.6	
2,4,5-Trichlorophenol	0.395	0.402		1.8	
1,1-Biphenyl	1.443	1.463		1.4	
2-Chloronaphthalene	1.148	1.155		0.6	
2-Nitroaniline	0.339	0.328		-3.2	
Dimethylphthalate	1.438	1.433		-0.3	
Acenaphthylene	1.684	1.707		1.4	
2,6-Dinitrotoluene	0.321	0.312		-2.8	
3-Nitroaniline	0.355	0.357		0.6	
Acenaphthene	1.091	1.088		-0.3	20.0
2,4-Dinitrophenol	0.159	0.164	0.050	3.1	
4-Nitrophenol	0.260	0.266	0.050	2.3	
Dibenzofuran	1.652	1.652		0.0	
2,4-Dinitrotoluene	0.449	0.442		-1.6	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_G Calibration Date/Time: 02/06/2020 11:45
 Lab File ID: BG044318.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:37 14:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.433	1.424		-0.6	
4-Chlorophenyl-phenylether	0.706	0.692		-2.0	
Fluorene	1.301	1.301		0.0	
4-Nitroaniline	0.354	0.358		1.1	
4,6-Dinitro-2-methylphenol	0.110	0.117		6.4	
n-Nitrosodiphenylamine	0.560	0.566		1.1	20.0
2,4,6-Tribromophenol	0.235	0.236		0.4	
4-Bromophenyl-phenylether	0.218	0.220		0.9	
Hexachlorobenzene	0.244	0.245		0.4	
Atrazine	0.192	0.196		2.1	
Pentachlorophenol	0.113	0.122		8.0	20.0
Phenanthrene	0.968	0.986		1.9	
Anthracene	0.957	0.976		2.0	
Carbazole	0.883	0.912		3.3	
Di-n-butylphthalate	1.091	1.129		3.5	
Fluoranthene	1.120	1.158		3.4	20.0
Pyrene	1.284	1.323		3.0	
Terphenyl-d14	0.972	0.922		-5.1	
Butylbenzylphthalate	0.585	0.608		3.9	
3,3-Dichlorobenzidine	0.478	0.504		5.4	
Benzo(a)anthracene	1.233	1.272		3.2	
Chrysene	1.191	1.227		3.0	
Bis(2-ethylhexyl)phthalate	0.806	0.831		3.1	
Di-n-octyl phthalate	1.394	1.452		4.2	20.0
Benzo(b)fluoranthene	1.152	1.207		4.8	
Benzo(k)fluoranthene	1.123	1.133		0.9	
Benzo(a)pyrene	1.090	1.116		2.4	20.0
Indeno(1,2,3-cd)pyrene	1.554	1.584		1.9	
Dibenzo(a,h)anthracene	1.078	1.101		2.1	
Benzo(g,h,i)perylene	1.080	1.095		1.4	
1,2,4,5-Tetrachlorobenzene	0.598	0.603		0.8	
2,3,4,6-Tetrachlorophenol	0.357	0.363		1.7	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_G Calibration Date/Time: 02/10/2020 13:20
 Lab File ID: BG044356.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:37 14:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.133	1.157		2.1	
Benzaldehyde	0.867	0.835		-3.7	
Phenol-d6	1.522	1.649		8.3	
Phenol	1.506	1.636		8.6	20.0
bis(2-Chloroethyl) ether	1.288	1.374		6.7	
2-Chlorophenol	1.245	1.323		6.3	
2-Methylphenol	1.075	1.173		9.1	
2,2-oxybis(1-Chloropropane)	1.743	1.852		6.3	
Acetophenone	0.487	0.483		-0.8	
3+4-Methylphenols	1.481	1.637		10.5	
n-Nitroso-di-n-propylamine	1.014	1.140	0.050	12.4	
Nitrobenzene-d5	0.354	0.351		-0.8	
Hexachloroethane	0.553	0.563		1.8	
Nitrobenzene	0.346	0.339		-2.0	
Isophorone	0.660	0.679		2.9	
2-Nitrophenol	0.179	0.183		2.2	20.0
2,4-Dimethylphenol	0.253	0.255		0.8	
bis(2-Chloroethoxy) methane	0.440	0.445		1.1	
2,4-Dichlorophenol	0.306	0.310		1.3	20.0
Naphthalene	0.970	0.975		0.5	
4-Chloroaniline	0.441	0.457		3.6	
Hexachlorobutadiene	0.216	0.206		-4.6	20.0
Caprolactam	0.112	0.121		8.0	
4-Chloro-3-methylphenol	0.321	0.337		5.0	20.0
2-Methylnaphthalene	0.720	0.743		3.2	
Hexachlorocyclopentadiene	0.287	0.252	0.050	-12.2	
2,4,6-Trichlorophenol	0.387	0.389		0.5	20.0
2-Fluorobiphenyl	1.194	1.188		-0.5	
2,4,5-Trichlorophenol	0.395	0.401		1.5	
1,1-Biphenyl	1.443	1.430		-0.9	
2-Chloronaphthalene	1.148	1.123		-2.2	
2-Nitroaniline	0.339	0.339		0.0	
Dimethylphthalate	1.438	1.461		1.6	
Acenaphthylene	1.684	1.688		0.2	
2,6-Dinitrotoluene	0.321	0.326		1.6	
3-Nitroaniline	0.355	0.363		2.3	
Acenaphthene	1.091	1.091		0.0	20.0
2,4-Dinitrophenol	0.159	0.178	0.050	11.9	
4-Nitrophenol	0.260	0.281	0.050	8.1	
Dibenzofuran	1.652	1.673		1.3	
2,4-Dinitrotoluene	0.449	0.460		2.5	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATCE02
 Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG No.: L1390
 Instrument ID: BNA_G Calibration Date/Time: 02/10/2020 13:20
 Lab File ID: BG044356.D Init. Calib. Date(s): 01/30/2020 01/30/2020
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:37 14:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.433	1.473		2.8	
4-Chlorophenyl-phenylether	0.706	0.710		0.6	
Fluorene	1.301	1.333		2.5	
4-Nitroaniline	0.354	0.370		4.5	
4,6-Dinitro-2-methylphenol	0.110	0.115		4.5	
n-Nitrosodiphenylamine	0.560	0.562		0.4	20.0
2,4,6-Tribromophenol	0.235	0.245		4.3	
4-Bromophenyl-phenylether	0.218	0.219		0.5	
Hexachlorobenzene	0.244	0.245		0.4	
Atrazine	0.192	0.191		-0.5	
Pentachlorophenol	0.113	0.124		9.7	20.0
Phenanthrene	0.968	0.988		2.1	
Anthracene	0.957	0.985		2.9	
Carbazole	0.883	0.912		3.3	
Di-n-butylphthalate	1.091	1.131		3.7	
Fluoranthene	1.120	1.151		2.8	20.0
Pyrene	1.284	1.312		2.2	
Terphenyl-d14	0.972	0.958		-1.4	
Butylbenzylphthalate	0.585	0.589		0.7	
3,3-Dichlorobenzidine	0.478	0.495		3.6	
Benzo(a)anthracene	1.233	1.255		1.8	
Chrysene	1.191	1.211		1.7	
Bis(2-ethylhexyl)phthalate	0.806	0.808		0.2	
Di-n-octyl phthalate	1.394	1.411		1.2	20.0
Benzo(b)fluoranthene	1.152	1.161		0.8	
Benzo(k)fluoranthene	1.123	1.164		3.7	
Benzo(a)pyrene	1.090	1.119		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.554	1.549		-0.3	
Dibenzo(a,h)anthracene	1.078	1.094		1.5	
Benzo(g,h,i)perylene	1.080	1.095		1.4	
1,2,4,5-Tetrachlorobenzene	0.598	0.578		-3.3	
2,3,4,6-Tetrachlorophenol	0.357	0.373		4.5	

All other compounds must meet a minimum RRF of 0.010.



284 Sheffield Street, Mountainside, New Jersey - 07092

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LAB CHRONICLE

OrderID: L1390
Client: ATC Group Services LLC
Contact: Denise Cosenza

OrderDate: 2/4/2020 11:53:00 AM
Project: 64 Centre Avenue, New Rochelle, NY
Location: L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
L1390-01	SB-1	SOIL	PCB	8082A	02/04/20	02/05/20	02/05/20	02/04/20
L1390-02	SB-2	SOIL	PCB	8082A	02/04/20	02/05/20	02/05/20	02/04/20
L1390-03	SB-3	SOIL	PCB	8082A	02/04/20	02/05/20	02/05/20	02/04/20
L1390-04	SB-4	SOIL	PCB	8082A	02/04/20	02/05/20	02/05/20	02/04/20
L1390-05	SB-5	SOIL	PCB	8082A	02/04/20	02/05/20	02/05/20	02/04/20

SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	02/04/20	
Project:	64 Centre Avenue, New Rochelle, NY		Date Received:	02/04/20	
Client Sample ID:	SB-1		SDG No.:	L1390	
Lab Sample ID:	L1390-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	11	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046370.D	1	02/05/20 08:15	02/05/20 14:27	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0022	U	0.0022	0.019	mg/Kg
11104-28-2	Aroclor-1221	0.0075	U	0.0075	0.019	mg/Kg
11141-16-5	Aroclor-1232	0.0073	U	0.0073	0.019	mg/Kg
53469-21-9	Aroclor-1242	0.0066	U	0.0066	0.019	mg/Kg
12672-29-6	Aroclor-1248	0.0062	U	0.0062	0.019	mg/Kg
11097-69-1	Aroclor-1254	0.0072	U	0.0072	0.019	mg/Kg
37324-23-5	Aroclor-1262	0.0056	U	0.0056	0.019	mg/Kg
11100-14-4	Aroclor-1268	0.0048	U	0.0048	0.019	mg/Kg
11096-82-5	Aroclor-1260	0.0052	U	0.0052	0.019	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.9		10 - 166	64%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 125	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2	SDG No.:	L1390
Lab Sample ID:	L1390-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046376.D	1	02/05/20 08:15	02/05/20 16:38	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0023	U	0.0023	0.019	mg/Kg
11104-28-2	Aroclor-1221	0.0076	U	0.0076	0.019	mg/Kg
11141-16-5	Aroclor-1232	0.0074	U	0.0074	0.019	mg/Kg
53469-21-9	Aroclor-1242	0.0066	U	0.0066	0.019	mg/Kg
12672-29-6	Aroclor-1248	0.0062	U	0.0062	0.019	mg/Kg
11097-69-1	Aroclor-1254	0.0073	U	0.0073	0.019	mg/Kg
37324-23-5	Aroclor-1262	0.0056	U	0.0056	0.019	mg/Kg
11100-14-4	Aroclor-1268	0.0048	U	0.0048	0.019	mg/Kg
11096-82-5	Aroclor-1260	0.0052	U	0.0052	0.019	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		10 - 166	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 125	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-3	SDG No.:	L1390
Lab Sample ID:	L1390-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046375.D	1	02/05/20 08:15	02/05/20 16:22	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0024	U	0.0024	0.020	mg/Kg
11104-28-2	Aroclor-1221	0.0080	U	0.0080	0.020	mg/Kg
11141-16-5	Aroclor-1232	0.0078	U	0.0078	0.020	mg/Kg
53469-21-9	Aroclor-1242	0.0070	U	0.0070	0.020	mg/Kg
12672-29-6	Aroclor-1248	0.0066	U	0.0066	0.020	mg/Kg
11097-69-1	Aroclor-1254	0.0077	U	0.0077	0.020	mg/Kg
37324-23-5	Aroclor-1262	0.0060	U	0.0060	0.020	mg/Kg
11100-14-4	Aroclor-1268	0.0051	U	0.0051	0.020	mg/Kg
11096-82-5	Aroclor-1260	0.0055	U	0.0055	0.020	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		10 - 166	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		60 - 125	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-4	SDG No.:	L1390
Lab Sample ID:	L1390-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046377.D	1	02/05/20 08:15	02/05/20 16:54	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0023	U	0.0023	0.020	mg/Kg
11104-28-2	Aroclor-1221	0.0077	U	0.0077	0.020	mg/Kg
11141-16-5	Aroclor-1232	0.0075	U	0.0075	0.020	mg/Kg
53469-21-9	Aroclor-1242	0.0068	U	0.0068	0.020	mg/Kg
12672-29-6	Aroclor-1248	0.0063	U	0.0063	0.020	mg/Kg
11097-69-1	Aroclor-1254	0.0074	U	0.0074	0.020	mg/Kg
37324-23-5	Aroclor-1262	0.0057	U	0.0057	0.020	mg/Kg
11100-14-4	Aroclor-1268	0.0049	U	0.0049	0.020	mg/Kg
11096-82-5	Aroclor-1260	0.0053	U	0.0053	0.020	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		10 - 166	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 125	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046378.D	1	02/05/20 08:15	02/05/20 17:11	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0025	U	0.0025	0.021	mg/Kg
11104-28-2	Aroclor-1221	0.0083	U	0.0083	0.021	mg/Kg
11141-16-5	Aroclor-1232	0.0081	U	0.0081	0.021	mg/Kg
53469-21-9	Aroclor-1242	0.0073	U	0.0073	0.021	mg/Kg
12672-29-6	Aroclor-1248	0.0068	U	0.0068	0.021	mg/Kg
11097-69-1	Aroclor-1254	0.0080	U	0.0080	0.021	mg/Kg
37324-23-5	Aroclor-1262	0.0062	U	0.0062	0.021	mg/Kg
11100-14-4	Aroclor-1268	0.0053	U	0.0053	0.021	mg/Kg
11096-82-5	Aroclor-1260	0.0057	U	0.0057	0.021	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		10 - 166	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		60 - 125	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

QC SUMMARY

Surrogate Summary

SDG No.: **L1390**

Client: **ATC Group Services LLC**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PQ046351.D	PIBLK-PQ046351.D	Tetrachloro-m-xylene	1	20	15.4	77		43	150
		Decachlorobiphenyl	1	20	16.3	82		24	154
		Tetrachloro-m-xylene	2	20	15.3	77		43	150
		Decachlorobiphenyl	2	20	15.8	79		24	154
I.BLK-PQ046365.D	PIBLK-PQ046365.D	Tetrachloro-m-xylene	1	20	16.0	80		43	150
		Decachlorobiphenyl	1	20	16.5	82		24	154
		Tetrachloro-m-xylene	2	20	15.5	78		43	150
		Decachlorobiphenyl	2	20	15.2	76		24	154
PB126598BL	PB126598BL	Tetrachloro-m-xylene	1	20	19.7	99		10	166
		Decachlorobiphenyl	1	20	20.3	101		60	125
		Tetrachloro-m-xylene	2	20	18.7	94		10	166
		Decachlorobiphenyl	2	20	18.7	93		60	125
PB126598BS	PB126598BS	Tetrachloro-m-xylene	1	20	18.9	95		10	166
		Decachlorobiphenyl	1	20	20.0	100		60	125
		Tetrachloro-m-xylene	2	20	18.0	90		10	166
		Decachlorobiphenyl	2	20	19.6	98		60	125
L1390-01	SB-1	Tetrachloro-m-xylene	1	20	12.1	61		10	166
		Decachlorobiphenyl	1	20	21.6	108		60	125
		Tetrachloro-m-xylene	2	20	12.9	64		10	166
		Decachlorobiphenyl	2	20	19.2	96		60	125
L1390-01MS	SB-1MS	Tetrachloro-m-xylene	1	20	12.1	61		10	166
		Decachlorobiphenyl	1	20	21.7	108		60	125
		Tetrachloro-m-xylene	2	20	13.3	66		10	166
		Decachlorobiphenyl	2	20	19.5	98		60	125
L1390-01MSD	SB-1MSD	Tetrachloro-m-xylene	1	20	11.6	58		10	166
		Decachlorobiphenyl	1	20	21.3	106		60	125
		Tetrachloro-m-xylene	2	20	12.9	64		10	166
		Decachlorobiphenyl	2	20	19.3	97		60	125
I.BLK-PQ046373.D	PIBLK-PQ046373.D	Tetrachloro-m-xylene	1	20	17.8	89		43	150
		Decachlorobiphenyl	1	20	17.1	85		24	154
		Tetrachloro-m-xylene	2	20	17.0	85		43	150
		Decachlorobiphenyl	2	20	15.4	77		24	154
L1390-03	SB-3	Tetrachloro-m-xylene	1	20	21.8	109		10	166
		Decachlorobiphenyl	1	20	21.0	105		60	125
		Tetrachloro-m-xylene	2	20	20.6	103		10	166
		Decachlorobiphenyl	2	20	19.1	95		60	125
L1390-02	SB-2	Tetrachloro-m-xylene	1	20	20.7	103		10	166
		Decachlorobiphenyl	1	20	20.3	102		60	125
		Tetrachloro-m-xylene	2	20	19.7	99		10	166
		Decachlorobiphenyl	2	20	18.6	93		60	125
L1390-04	SB-4	Tetrachloro-m-xylene	1	20	18.8	94		10	166
		Decachlorobiphenyl	1	20	19.1	96		60	125
		Tetrachloro-m-xylene	2	20	17.8	89		10	166

Surrogate Summary

SDG No.: L1390
 Client: ATC Group Services LLC
 Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
L1390-04	SB-4	Decachlorobiphenyl	2	20	17.4	87		60	125
L1390-05	SB-5	Tetrachloro-m-xylene	1	20	19.8	99		10	166
		Decachlorobiphenyl	1	20	21.2	106		60	125
		Tetrachloro-m-xylene	2	20	18.9	94		10	166
		Decachlorobiphenyl	2	20	19.3	97		60	125
I.BLK-PQ046386.D	PIBLK-PQ046386.D	Tetrachloro-m-xylene	1	20	14.6	73		43	150
		Decachlorobiphenyl	1	20	16.6	83		24	154
		Tetrachloro-m-xylene	2	20	14.0	70		43	150
		Decachlorobiphenyl	2	20	15.2	76		24	154



Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8082A

DataFile : PQ046371.D

Lab Sample ID:		Parameter	Spike	Sample Result	Result	Units	Rec	Qual	RPD	Qual	Low	Limits High	RPD
Client Sample ID:		SB-1MS											
L1390-01MS		AR1016	74.66	0	64.4	ug/kg	86				40	140	
		AR1260	74.66	0	67.6	ug/kg	91				60	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: L1390

Client: ATC Group Services LLC

Analytical Method: 8082A

DataFile : PQ046372.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: L1390-01MSD	SB-1MSD											
	AR1016	74.71	0	61.8	ug/kg	83		4		40	140	20
	AR1260	74.71	0	66.1	ug/kg	88		3		60	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L1390Client: ATC Group Services LLCAnalytical Method: 8082A Datafile : PQ046368.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB126598BS	AR1016	66.67	65.5	ug/kg	98				53	140	
	AR1260	66.67	64.1	ug/kg	96				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB126598BL

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: L1390

SAS No.: L1390 SDG NO.: L1390

Lab Sample ID: PB126598BL

Lab File ID: PQ046367.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/05/2020

Date Analyzed (1): 02/05/2020

Date Analyzed (2): 02/05/2020

Time Analyzed (1): 13:38

Time Analyzed (2): 13:38

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB126598BS	PB126598BS	PQ046368.D	02/05/2020	02/05/2020
SB-1	L1390-01	PQ046370.D	02/05/2020	02/05/2020
SB-1MS	L1390-01MS	PQ046371.D	02/05/2020	02/05/2020
SB-1MSD	L1390-01MSD	PQ046372.D	02/05/2020	02/05/2020
SB-3	L1390-03	PQ046375.D	02/05/2020	02/05/2020
SB-2	L1390-02	PQ046376.D	02/05/2020	02/05/2020
SB-4	L1390-04	PQ046377.D	02/05/2020	02/05/2020
SB-5	L1390-05	PQ046378.D	02/05/2020	02/05/2020

COMMENTS:

CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Instrument ID: ECD_Q Calibration Date(s): 02/05/2020 02/05/2020

Calibration Times: 08:58 11:57

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PQ046352.D RT 750 = PQ046353.D

RT 500 = PQ046354.D RT 250 = PQ046355.D RT 050 = PQ046356.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	6.53	6.53	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1016-2 (2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1016-3 (3)	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Aroclor-1016-4 (4)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Aroclor-1016-5 (5)	7.04	7.04	7.04	7.04	7.04	7.04	6.94	7.14
Aroclor-1260-1 (1)	8.22	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Aroclor-1260-2 (2)	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58
Aroclor-1260-3 (3)	8.85	8.85	8.85	8.85	8.84	8.85	8.75	8.95
Aroclor-1260-4 (4)	9.09	9.09	9.08	9.08	9.08	9.08	8.98	9.18
Aroclor-1260-5 (5)	9.43	9.42	9.42	9.42	9.42	9.42	9.32	9.52
Decachlorobiphenyl	11.35	11.35	11.35	11.35	11.35	11.35	11.25	11.45
Tetrachloro-m-xylene	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ATCE02
Lab Code: CHEM **Case No.:** L1390 **SAS No.:** L1390 **SDG NO.:** L1390
Instrument ID: ECD_Q **Calibration Date(s):** 02/05/2020 02/05/2020
Calibration Times: 08:58 11:57

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **RT 1000 =** PQ046352.D **RT 750 =** PQ046353.D
RT 500 = PQ046354.D **RT 250 =** PQ046355.D **RT 050 =** PQ046356.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1016-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1016-3	(3)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-4	(4)	5.90	5.90	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1016-5	(5)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1260-2	(2)	7.43	7.43	7.43	7.43	7.43	7.43	7.33	7.53
Aroclor-1260-3	(3)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1260-4	(4)	8.08	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Aroclor-1260-5	(5)	8.32	8.32	8.32	8.32	8.32	8.32	8.22	8.42
Decachlorobiphenyl		9.78	9.78	9.78	9.78	9.78	9.78	9.68	9.88
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Instrument ID: ECD_Q Calibration Date(s): 02/05/2020 02/05/2020

Calibration Times: 08:58 11:57

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PQ046352.D</u>		CF 750 = <u>PQ046353.D</u>				
CF 500 = <u>PQ046354.D</u>		CF 250 = <u>PQ046355.D</u>		CF 050 = <u>PQ046356.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	228197385	240401543	276041928	288754720	291194740	264918063	11
Aroclor-1016-2	(2)	359875792	370348845	410135874	432902936	452024560	405057601	10
Aroclor-1016-3	(3)	218876193	228659213	255718926	269111884	271097160	248692675	10
Aroclor-1016-4	(4)	181910116	189420328	211765982	220866032	225285000	205849492	9
Aroclor-1016-5	(5)	176991879	183609919	207110426	221279888	214258440	200650110	10
Aroclor-1260-1	(1)	315465304	330256068	359417480	383397180	414084760	360524158	11
Aroclor-1260-2	(2)	363551349	380413536	412411734	440542348	484666660	416317125	12
Aroclor-1260-3	(3)	276777737	291537169	313392930	333355996	355040660	314020898	10
Aroclor-1260-4	(4)	307787209	324379627	345267824	369874896	392506320	347963175	10
Aroclor-1260-5	(5)	597094646	621696691	657177176	693065572	718405760	657487969	8
Decachlorobiphenyl		5679839360	5997514387	6321960340	6861303680	7190261400	6410175833	10
Tetrachloro-m-xylene		6427349890	6439314293	7224311340	7245272160	6946121800	6856473897	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Instrument ID: ECD_Q Calibration Date(s): 02/05/2020 02/05/2020

Calibration Times: 08:58 11:57

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:							CF 1000 =	<u>PQ046352.D</u>	CF 750 =	<u>PQ046353.D</u>
CF 500 =		<u>PQ046354.D</u>	CF 250 =		<u>PQ046355.D</u>	CF 050 =		<u>PQ046356.D</u>		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD		
Aroclor-1016-1	(1)	116816223	119086993	131126340	132608632	120961300	124119898	6		
Aroclor-1016-2	(2)	194923589	181972717	201667374	204022408	213437500	199204718	6		
Aroclor-1016-3	(3)	91376251	92461592	101561296	103168736	97268860	97167347	5		
Aroclor-1016-4	(4)	77453932	79335352	87497596	90532408	85720400	84107938	7		
Aroclor-1016-5	(5)	101004990	103365985	113394116	115610496	109934320	108661981	6		
Aroclor-1260-1	(1)	219331467	225365919	239882302	247690280	247565780	235967150	6		
Aroclor-1260-2	(2)	271638989	278004873	294918298	308158812	305066800	291557554	6		
Aroclor-1260-3	(3)	258794063	265565085	280056820	288584760	326080860	283816318	9		
Aroclor-1260-4	(4)	231275641	239060277	249725272	257729584	247845020	245127159	4		
Aroclor-1260-5	(5)	601316008	618136972	637010860	641176616	598604660	619249023	3		
Decachlorobiphenyl		5806788560	5966588133	6024988860	6327280240	6117733400	6048675839	3		
Tetrachloro-m-xylene		3308448590	3274647560	3626072100	3561114840	3226154800	3399287578	5		

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Instrument ID: ECD_Q Date(s) Analyzed: 02/05/2020 02/05/2020

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	5.46	5.36	5.56	76142600
		2	5.55	5.45	5.65	58260000
		3	5.64	5.54	5.74	182671000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.64	5.54	5.74	130388000
		2	6.23	6.13	6.33	72724200
		3	6.55	6.45	6.65	141166000
		4	6.72	6.62	6.82	71138600
		5	6.82	6.72	6.92	56067400
Aroclor-1242	500	1	6.53	6.43	6.63	174021000
		2	6.55	6.45	6.65	264190000
		3	6.62	6.52	6.72	165801000
		4	6.72	6.62	6.82	135646000
		5	7.50	7.40	7.60	157511000
Aroclor-1248	500	1	6.53	6.43	6.63	150586000
		2	6.82	6.72	6.92	217768000
		3	7.04	6.94	7.14	239220000
		4	7.46	7.36	7.56	271344000
		5	7.50	7.40	7.60	272978000
Aroclor-1254	500	1	7.44	7.34	7.54	274714000
		2	7.66	7.56	7.76	425078000
		3	8.05	7.95	8.15	448378000
		4	8.34	8.24	8.44	328380000
		5	8.77	8.67	8.87	340858000
Aroclor-1262	500	1	8.85	8.75	8.95	439084000
		2	9.42	9.32	9.52	728128000
		3	9.75	9.65	9.85	498146000
		4	9.85	9.75	9.95	405008000
		5	10.55	10.45	10.65	277344000
Aroclor-1268	500	1	9.75	9.65	9.85	838590000
		2	9.85	9.75	9.95	816850000
		3	10.09	9.99	10.19	666778000
		4	10.55	10.45	10.65	308810000
		5	10.99	10.89	11.09	2174540000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Instrument ID: ECD_Q Date(s) Analyzed: 02/05/2020 02/05/2020

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.62	4.52	4.72	34675200
		2	4.73	4.63	4.83	26188200
		3	4.82	4.72	4.92	88281600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.82	4.72	4.92	61532200
		2	5.66	5.56	5.76	69948400
		3	5.86	5.76	5.96	32642000
		4	5.95	5.85	6.05	31056600
		5	6.14	6.04	6.24	34266200
Aroclor-1242	500	1	5.64	5.54	5.74	79526000
		2	5.66	5.56	5.76	135701000
		3	5.86	5.76	5.96	63393400
		4	5.95	5.85	6.05	67356400
		5	6.52	6.42	6.62	89695800
Aroclor-1248	500	1	5.64	5.54	5.74	69087200
		2	5.90	5.80	6.00	102906000
		3	5.95	5.85	6.05	106304000
		4	6.14	6.04	6.24	129193000
		5	6.56	6.46	6.66	130841000
Aroclor-1254	500	1	6.52	6.42	6.62	205776000
		2	6.68	6.58	6.78	185106000
		3	7.10	7.00	7.20	318632000
		4	7.34	7.24	7.44	193630000
		5	7.78	7.68	7.88	297434000
Aroclor-1262	500	1	7.77	7.67	7.87	167556000
		2	8.32	8.22	8.42	669454000
		3	8.61	8.51	8.71	267866000
		4	8.68	8.58	8.78	526622000
		5	9.19	9.09	9.29	235342000
Aroclor-1268	500	1	8.61	8.51	8.71	786520000
		2	8.68	8.58	8.78	780936000
		3	8.89	8.79	8.99	634410000
		4	9.19	9.09	9.29	278344000
		5	9.50	9.40	9.60	2137420000

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Continuing Calib Date: 02/05/2020 Initial Calibration Date(s): 02/05/2020 02/05/2020

Continuing Calib Time: 13:22 Initial Calibration Time(s): 08:58 11:57

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	6.53	6.52	6.42	6.62	-0.01
Aroclor-1016-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1016-3	(3)	6.62	6.62	6.52	6.72	0.00
Aroclor-1016-4	(4)	6.73	6.72	6.62	6.82	0.00
Aroclor-1016-5	(5)	7.04	7.04	6.94	7.14	0.00
Aroclor-1260-1	(1)	8.22	8.21	8.11	8.31	-0.01
Aroclor-1260-2	(2)	8.48	8.48	8.38	8.58	0.00
Aroclor-1260-3	(3)	8.85	8.85	8.75	8.95	0.00
Aroclor-1260-4	(4)	9.09	9.08	8.98	9.18	-0.01
Aroclor-1260-5	(5)	9.43	9.42	9.32	9.52	-0.01
Tetrachloro-m-xylene		5.21	5.21	5.11	5.31	0.00
Decachlorobiphenyl		11.36	11.35	11.25	11.45	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Continuing Calib Date: 02/05/2020 Initial Calibration Date(s): 02/05/2020 02/05/2020

Continuing Calib Time: 13:22 Initial Calibration Time(s): 08:58 11:57

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-4	(4)	5.91	5.90	5.80	6.00	-0.01
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.24	7.24	7.14	7.34	0.00
Aroclor-1260-2	(2)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-3	(3)	7.60	7.59	7.49	7.69	0.00
Aroclor-1260-4	(4)	8.08	8.08	7.98	8.18	0.00
Aroclor-1260-5	(5)	8.33	8.32	8.22	8.42	0.00
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.78	9.78	9.68	9.88	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/05/2020 02/05/2020

Client Sample No.: CCAL01 Date Analyzed: 02/05/2020

Lab Sample No.: AR1660CCC500 Data File : PQ046366.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	6.528	6.424	6.624	429.590	500.000	-14.1
Aroclor-1016-2	6.551	6.448	6.648	435.460	500.000	-12.9
Aroclor-1016-3	6.619	6.515	6.715	438.770	500.000	-12.2
Aroclor-1016-4	6.725	6.622	6.822	435.690	500.000	-12.9
Aroclor-1016-5	7.040	6.937	7.137	439.140	500.000	-12.2
Aroclor-1260-1	8.217	8.113	8.313	430.170	500.000	-14.0
Aroclor-1260-2	8.481	8.377	8.577	436.480	500.000	-12.7
Aroclor-1260-3	8.849	8.745	8.945	427.450	500.000	-14.5
Aroclor-1260-4	9.088	8.983	9.183	422.820	500.000	-15.4
Aroclor-1260-5	9.428	9.323	9.523	432.770	500.000	-13.4
Decachlorobiphenyl	11.355	11.248	11.448	43.620	50.000	-12.8
Tetrachloro-m-xylene	5.214	5.111	5.311	43.280	50.000	-13.4

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/05/2020 02/05/2020

Client Sample No.: CCAL01 Date Analyzed: 02/05/2020

Lab Sample No.: AR1660CCC500 Data File : PQ046366.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.642	5.540	5.740	430.980	500.000	-13.8
Aroclor-1016-2	5.662	5.561	5.761	419.410	500.000	-16.1
Aroclor-1016-3	5.859	5.758	5.958	430.850	500.000	-13.8
Aroclor-1016-4	5.905	5.803	6.003	435.760	500.000	-12.8
Aroclor-1016-5	6.139	6.038	6.238	440.440	500.000	-11.9
Aroclor-1260-1	7.240	7.138	7.338	435.860	500.000	-12.8
Aroclor-1260-2	7.434	7.333	7.533	433.740	500.000	-13.3
Aroclor-1260-3	7.595	7.493	7.693	420.730	500.000	-15.9
Aroclor-1260-4	8.080	7.978	8.178	438.370	500.000	-12.3
Aroclor-1260-5	8.325	8.223	8.423	439.200	500.000	-12.2
Decachlorobiphenyl	9.781	9.678	9.878	42.110	50.000	-15.8
Tetrachloro-m-xylene	4.362	4.260	4.460	42.740	50.000	-14.5

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Continuing Calib Date: 02/05/2020 Initial Calibration Date(s): 02/05/2020 02/05/2020

Continuing Calib Time: 16:06 Initial Calibration Time(s): 08:58 11:57

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	6.53	6.52	6.42	6.62	-0.01
Aroclor-1016-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1016-3	(3)	6.62	6.62	6.52	6.72	0.00
Aroclor-1016-4	(4)	6.72	6.72	6.62	6.82	0.00
Aroclor-1016-5	(5)	7.04	7.04	6.94	7.14	0.00
Aroclor-1260-1	(1)	8.22	8.21	8.11	8.31	-0.01
Aroclor-1260-2	(2)	8.48	8.48	8.38	8.58	0.00
Aroclor-1260-3	(3)	8.85	8.85	8.75	8.95	0.00
Aroclor-1260-4	(4)	9.09	9.08	8.98	9.18	-0.01
Aroclor-1260-5	(5)	9.43	9.42	9.32	9.52	-0.01
Tetrachloro-m-xylene		5.21	5.21	5.11	5.31	0.00
Decachlorobiphenyl		11.35	11.35	11.25	11.45	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Continuing Calib Date: 02/05/2020 Initial Calibration Date(s): 02/05/2020 02/05/2020

Continuing Calib Time: 16:06 Initial Calibration Time(s): 08:58 11:57

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-4	(4)	5.90	5.90	5.80	6.00	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.24	7.24	7.14	7.34	0.00
Aroclor-1260-2	(2)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-3	(3)	7.60	7.59	7.49	7.69	0.00
Aroclor-1260-4	(4)	8.08	8.08	7.98	8.18	0.00
Aroclor-1260-5	(5)	8.32	8.32	8.22	8.42	0.00
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.78	9.78	9.68	9.88	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/05/2020 02/05/2020

Client Sample No.: CCAL02 Date Analyzed: 02/05/2020

Lab Sample No.: AR1660CCC500 Data File : PQ046374.D Time Analyzed: 16:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	6.526	6.424	6.624	439.210	500.000	-12.2
Aroclor-1016-2	6.549	6.448	6.648	458.670	500.000	-8.3
Aroclor-1016-3	6.617	6.515	6.715	457.950	500.000	-8.4
Aroclor-1016-4	6.723	6.622	6.822	454.800	500.000	-9.0
Aroclor-1016-5	7.038	6.937	7.137	457.170	500.000	-8.6
Aroclor-1260-1	8.215	8.113	8.313	450.010	500.000	-10.0
Aroclor-1260-2	8.478	8.377	8.577	450.540	500.000	-9.9
Aroclor-1260-3	8.846	8.745	8.945	461.720	500.000	-7.7
Aroclor-1260-4	9.085	8.983	9.183	455.370	500.000	-8.9
Aroclor-1260-5	9.425	9.323	9.523	458.670	500.000	-8.3
Decachlorobiphenyl	11.350	11.248	11.448	46.280	50.000	-7.4
Tetrachloro-m-xylene	5.213	5.111	5.311	45.920	50.000	-8.2

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/05/2020 02/05/2020

Client Sample No.: CCAL02 Date Analyzed: 02/05/2020

Lab Sample No.: AR1660CCC500 Data File : PQ046374.D Time Analyzed: 16:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.640	5.540	5.740	447.640	500.000	-10.5
Aroclor-1016-2	5.661	5.561	5.761	436.970	500.000	-12.6
Aroclor-1016-3	5.858	5.758	5.958	451.270	500.000	-9.7
Aroclor-1016-4	5.904	5.803	6.003	454.890	500.000	-9.0
Aroclor-1016-5	6.139	6.038	6.238	457.870	500.000	-8.4
Aroclor-1260-1	7.239	7.138	7.338	453.550	500.000	-9.3
Aroclor-1260-2	7.433	7.333	7.533	452.680	500.000	-9.5
Aroclor-1260-3	7.595	7.493	7.693	439.180	500.000	-12.2
Aroclor-1260-4	8.080	7.978	8.178	456.960	500.000	-8.6
Aroclor-1260-5	8.324	8.223	8.423	462.010	500.000	-7.6
Decachlorobiphenyl	9.781	9.678	9.878	44.130	50.000	-11.7
Tetrachloro-m-xylene	4.361	4.260	4.460	44.690	50.000	-10.6

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Continuing Calib Date: 02/05/2020 Initial Calibration Date(s): 02/05/2020 02/05/2020

Continuing Calib Time: 19:54 Initial Calibration Time(s): 08:58 11:57

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	6.52	6.52	6.42	6.62	0.00
Aroclor-1016-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1016-3	(3)	6.62	6.62	6.52	6.72	0.01
Aroclor-1016-4	(4)	6.72	6.72	6.62	6.82	0.00
Aroclor-1016-5	(5)	7.04	7.04	6.94	7.14	0.00
Aroclor-1260-1	(1)	8.21	8.21	8.11	8.31	0.00
Aroclor-1260-2	(2)	8.48	8.48	8.38	8.58	0.00
Aroclor-1260-3	(3)	8.84	8.85	8.75	8.95	0.01
Aroclor-1260-4	(4)	9.08	9.08	8.98	9.18	0.00
Aroclor-1260-5	(5)	9.42	9.42	9.32	9.52	0.00
Tetrachloro-m-xylene		5.21	5.21	5.11	5.31	0.00
Decachlorobiphenyl		11.35	11.35	11.25	11.45	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

Continuing Calib Date: 02/05/2020 Initial Calibration Date(s): 02/05/2020 02/05/2020

Continuing Calib Time: 19:54 Initial Calibration Time(s): 08:58 11:57

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-4	(4)	5.90	5.90	5.80	6.00	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.24	7.24	7.14	7.34	0.00
Aroclor-1260-2	(2)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-3	(3)	7.59	7.59	7.49	7.69	0.00
Aroclor-1260-4	(4)	8.08	8.08	7.98	8.18	0.00
Aroclor-1260-5	(5)	8.32	8.32	8.22	8.42	0.00
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.78	9.78	9.68	9.88	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/05/2020 02/05/2020

Client Sample No.: CCAL03 Date Analyzed: 02/05/2020

Lab Sample No.: AR1660CCC500 Data File : PQ046387.D Time Analyzed: 19:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	6.524	6.424	6.624	434.470	500.000	-13.1
Aroclor-1016-2	6.548	6.448	6.648	437.860	500.000	-12.4
Aroclor-1016-3	6.615	6.515	6.715	441.950	500.000	-11.6
Aroclor-1016-4	6.721	6.622	6.822	438.540	500.000	-12.3
Aroclor-1016-5	7.036	6.937	7.137	441.330	500.000	-11.7
Aroclor-1260-1	8.212	8.113	8.313	435.110	500.000	-13.0
Aroclor-1260-2	8.476	8.377	8.577	436.960	500.000	-12.6
Aroclor-1260-3	8.844	8.745	8.945	452.900	500.000	-9.4
Aroclor-1260-4	9.082	8.983	9.183	444.490	500.000	-11.1
Aroclor-1260-5	9.422	9.323	9.523	456.870	500.000	-8.6
Decachlorobiphenyl	11.346	11.248	11.448	47.540	50.000	-4.9
Tetrachloro-m-xylene	5.211	5.111	5.311	44.270	50.000	-11.5

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: L1390 SAS No.: L1390 SDG NO.: L1390

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/05/2020 02/05/2020

Client Sample No.: CCAL03 Date Analyzed: 02/05/2020

Lab Sample No.: AR1660CCC500 Data File : PQ046387.D Time Analyzed: 19:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.640	5.540	5.740	447.560	500.000	-10.5
Aroclor-1016-2	5.661	5.561	5.761	428.090	500.000	-14.4
Aroclor-1016-3	5.857	5.758	5.958	439.630	500.000	-12.1
Aroclor-1016-4	5.904	5.803	6.003	441.380	500.000	-11.7
Aroclor-1016-5	6.138	6.038	6.238	448.930	500.000	-10.2
Aroclor-1260-1	7.239	7.138	7.338	447.450	500.000	-10.5
Aroclor-1260-2	7.433	7.333	7.533	452.560	500.000	-9.5
Aroclor-1260-3	7.593	7.493	7.693	438.360	500.000	-12.3
Aroclor-1260-4	8.078	7.978	8.178	454.910	500.000	-9.0
Aroclor-1260-5	8.324	8.223	8.423	471.530	500.000	-5.7
Decachlorobiphenyl	9.779	9.678	9.878	46.660	50.000	-6.7
Tetrachloro-m-xylene	4.361	4.260	4.460	43.340	50.000	-13.3

Analytical Sequence

Client: ATC Group Services LLC

SDG No.: L1390

Project: 64 Centre Avenue, New Rochelle, NY

Instrument ID: ECD_Q

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/05/2020

02/05/2020

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	02/05/2020	08:42	PQ046351.D	11.36	5.22
AR1660ICC1000	AR1660ICC1000	02/05/2020	08:58	PQ046352.D	11.35	5.21
AR1660ICC750	AR1660ICC750	02/05/2020	09:14	PQ046353.D	11.35	5.21
AR1660ICC500	AR1660ICC500	02/05/2020	09:31	PQ046354.D	11.35	5.21
AR1660ICC250	AR1660ICC250	02/05/2020	09:47	PQ046355.D	11.35	5.21
AR1660ICC050	AR1660ICC050	02/05/2020	10:03	PQ046356.D	11.35	5.21
AR1221ICC500	AR1221ICC500	02/05/2020	10:20	PQ046357.D	11.35	5.21
AR1232ICC500	AR1232ICC500	02/05/2020	10:36	PQ046358.D	11.35	5.21
AR1242ICC500	AR1242ICC500	02/05/2020	10:52	PQ046359.D	11.35	5.21
AR1248ICC500	AR1248ICC500	02/05/2020	11:08	PQ046360.D	11.35	5.21
AR1254ICC500	AR1254ICC500	02/05/2020	11:25	PQ046361.D	11.35	5.21
AR1262ICC500	AR1262ICC500	02/05/2020	11:41	PQ046362.D	11.35	5.21
AR1268ICC500	AR1268ICC500	02/05/2020	11:57	PQ046363.D	11.35	5.21
IBLK	IBLK	02/05/2020	13:06	PQ046365.D	11.38	5.23
AR1660CCC500	AR1660CCC500	02/05/2020	13:22	PQ046366.D	11.36	5.21
PB126598BL	PB126598BL	02/05/2020	13:38	PQ046367.D	11.35	5.21
PB126598BS	PB126598BS	02/05/2020	13:55	PQ046368.D	11.35	5.21
SB-1	L1390-01	02/05/2020	14:27	PQ046370.D	11.35	5.21
SB-1MS	L1390-01MS	02/05/2020	14:43	PQ046371.D	11.35	5.21
SB-1MSD	L1390-01MSD	02/05/2020	15:00	PQ046372.D	11.35	5.21
IBLK	IBLK	02/05/2020	15:16	PQ046373.D	11.35	5.21
AR1660CCC500	AR1660CCC500	02/05/2020	16:06	PQ046374.D	11.35	5.21
SB-3	L1390-03	02/05/2020	16:22	PQ046375.D	11.35	5.21
SB-2	L1390-02	02/05/2020	16:38	PQ046376.D	11.35	5.21
SB-4	L1390-04	02/05/2020	16:54	PQ046377.D	11.35	5.21
SB-5	L1390-05	02/05/2020	17:11	PQ046378.D	11.35	5.21
IBLK	IBLK	02/05/2020	19:21	PQ046386.D	11.35	5.21
AR1660CCC500	AR1660CCC500	02/05/2020	19:54	PQ046387.D	11.35	5.21

Analytical Sequence

Client: ATC Group Services LLC

SDG No.: L1390

Project: 64 Centre Avenue, New Rochelle, NY

Instrument ID: ECD_Q

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/05/2020

02/05/2020

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	02/05/2020	08:42	PQ046351.D	9.78	4.36
AR1660ICC1000	AR1660ICC1000	02/05/2020	08:58	PQ046352.D	9.78	4.36
AR1660ICC750	AR1660ICC750	02/05/2020	09:14	PQ046353.D	9.78	4.36
AR1660ICC500	AR1660ICC500	02/05/2020	09:31	PQ046354.D	9.78	4.36
AR1660ICC250	AR1660ICC250	02/05/2020	09:47	PQ046355.D	9.78	4.36
AR1660ICC050	AR1660ICC050	02/05/2020	10:03	PQ046356.D	9.78	4.36
AR1221ICC500	AR1221ICC500	02/05/2020	10:20	PQ046357.D	9.78	4.36
AR1232ICC500	AR1232ICC500	02/05/2020	10:36	PQ046358.D	9.78	4.36
AR1242ICC500	AR1242ICC500	02/05/2020	10:52	PQ046359.D	9.78	4.36
AR1248ICC500	AR1248ICC500	02/05/2020	11:08	PQ046360.D	9.78	4.36
AR1254ICC500	AR1254ICC500	02/05/2020	11:25	PQ046361.D	9.78	4.36
AR1262ICC500	AR1262ICC500	02/05/2020	11:41	PQ046362.D	9.78	4.36
AR1268ICC500	AR1268ICC500	02/05/2020	11:57	PQ046363.D	9.78	4.36
IBLK	IBLK	02/05/2020	13:06	PQ046365.D	9.79	4.36
AR1660CCC500	AR1660CCC500	02/05/2020	13:22	PQ046366.D	9.78	4.36
PB126598BL	PB126598BL	02/05/2020	13:38	PQ046367.D	9.78	4.36
PB126598BS	PB126598BS	02/05/2020	13:55	PQ046368.D	9.78	4.36
SB-1	L1390-01	02/05/2020	14:27	PQ046370.D	9.78	4.36
SB-1MS	L1390-01MS	02/05/2020	14:43	PQ046371.D	9.78	4.36
SB-1MSD	L1390-01MSD	02/05/2020	15:00	PQ046372.D	9.78	4.36
IBLK	IBLK	02/05/2020	15:16	PQ046373.D	9.78	4.36
AR1660CCC500	AR1660CCC500	02/05/2020	16:06	PQ046374.D	9.78	4.36
SB-3	L1390-03	02/05/2020	16:22	PQ046375.D	9.78	4.36
SB-2	L1390-02	02/05/2020	16:38	PQ046376.D	9.78	4.36
SB-4	L1390-04	02/05/2020	16:54	PQ046377.D	9.78	4.36
SB-5	L1390-05	02/05/2020	17:11	PQ046378.D	9.78	4.36
IBLK	IBLK	02/05/2020	19:21	PQ046386.D	9.78	4.36
AR1660CCC500	AR1660CCC500	02/05/2020	19:54	PQ046387.D	9.78	4.36

QC SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	PB126598BL	SDG No.:	L1390
Lab Sample ID:	PB126598BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046367.D	1	02/05/20 08:15	02/05/20 13:38	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0020	U	0.0020	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0067	U	0.0067	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0065	U	0.0065	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0059	U	0.0059	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0055	U	0.0055	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0064	U	0.0064	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0050	U	0.0050	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0043	U	0.0043	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.0046	U	0.0046	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		10 - 166	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 125	101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/05/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/05/20
Client Sample ID:	PIBLK-PQ046351.D	SDG No.:	L1390
Lab Sample ID:	I.BLK-PQ046351.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046351.D	1		02/05/20	PQ020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.000093	U	0.000093	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00013	U	0.00013	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00012	U	0.00012	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00014	U	0.00014	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00019	U	0.00019	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00014	U	0.00014	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		43 - 150	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		24 - 154	79%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/05/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/05/20
Client Sample ID:	PIBLK-PQ046365.D	SDG No.:	L1390
Lab Sample ID:	I.BLK-PQ046365.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046365.D	1		02/05/20	PQ020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.000093	U	0.000093	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00013	U	0.00013	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00012	U	0.00012	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00014	U	0.00014	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00019	U	0.00019	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00014	U	0.00014	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.5		43 - 150	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.2		24 - 154	76%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/05/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/05/20
Client Sample ID:	PIBLK-PQ046373.D	SDG No.:	L1390
Lab Sample ID:	I.BLK-PQ046373.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046373.D	1		02/05/20	PQ020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.000093	U	0.000093	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00013	U	0.00013	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00012	U	0.00012	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00014	U	0.00014	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00019	U	0.00019	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00014	U	0.00014	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		43 - 150	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		24 - 154	77%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/05/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/05/20
Client Sample ID:	PIBLK-PQ046386.D	SDG No.:	L1390
Lab Sample ID:	I.BLK-PQ046386.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046386.D	1		02/05/20	PQ020520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.000093	U	0.000093	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00013	U	0.00013	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00018	U	0.00018	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00018	U	0.00018	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00012	U	0.00012	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00014	U	0.00014	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00019	U	0.00019	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00014	U	0.00014	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.0		43 - 150	70%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.2		24 - 154	76%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	
Client Sample ID:	PB126598BS	SDG No.:	L1390
Lab Sample ID:	PB126598BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	0 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046368.D	1	02/05/20 08:15	02/05/20 13:55	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.066		0.0020	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0067	U	0.0067	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0065	U	0.0065	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0059	U	0.0059	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0055	U	0.0055	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0064	U	0.0064	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0050	U	0.0050	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0043	U	0.0043	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.064		0.0046	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		10 - 166	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		60 - 125	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1MS	SDG No.:	L1390
Lab Sample ID:	L1390-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046371.D	1	02/05/20 08:15	02/05/20 14:43	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.064		0.0022	0.019	mg/Kg
11104-28-2	Aroclor-1221	0.0075	U	0.0075	0.019	mg/Kg
11141-16-5	Aroclor-1232	0.0073	U	0.0073	0.019	mg/Kg
53469-21-9	Aroclor-1242	0.0066	U	0.0066	0.019	mg/Kg
12672-29-6	Aroclor-1248	0.0062	U	0.0062	0.019	mg/Kg
11097-69-1	Aroclor-1254	0.0072	U	0.0072	0.019	mg/Kg
37324-23-5	Aroclor-1262	0.0056	U	0.0056	0.019	mg/Kg
11100-14-4	Aroclor-1268	0.0048	U	0.0048	0.019	mg/Kg
11096-82-5	Aroclor-1260	0.068		0.0052	0.019	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.3		10 - 166	66%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		60 - 125	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1MSD	SDG No.:	L1390
Lab Sample ID:	L1390-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ046372.D	1	02/05/20 08:15	02/05/20 15:00	PB126598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.062		0.0022	0.019	mg/Kg
11104-28-2	Aroclor-1221	0.0075	U	0.0075	0.019	mg/Kg
11141-16-5	Aroclor-1232	0.0073	U	0.0073	0.019	mg/Kg
53469-21-9	Aroclor-1242	0.0066	U	0.0066	0.019	mg/Kg
12672-29-6	Aroclor-1248	0.0062	U	0.0062	0.019	mg/Kg
11097-69-1	Aroclor-1254	0.0072	U	0.0072	0.019	mg/Kg
37324-23-5	Aroclor-1262	0.0056	U	0.0056	0.019	mg/Kg
11100-14-4	Aroclor-1268	0.0048	U	0.0048	0.019	mg/Kg
11096-82-5	Aroclor-1260	0.066		0.0052	0.019	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.9		10 - 166	64%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		60 - 125	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	L1390	OrderDate:	2/4/2020 11:53:00 AM
Client:	ATC Group Services LLC	Project:	64 Centre Avenue, New Rochelle, NY
Contact:	Denise Cosenza	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
L1390-01	SB-1	SOIL			02/04/20			02/04/20
			Mercury	7471B		02/05/20	02/06/20	
			Metals ICP-TAL	6010D		02/05/20	02/05/20	
L1390-02	SB-2	SOIL			02/04/20			02/04/20
			Mercury	7471B		02/05/20	02/06/20	
			Metals ICP-TAL	6010D		02/05/20	02/05/20	
L1390-03	SB-3	SOIL			02/04/20			02/04/20
			Mercury	7471B		02/05/20	02/06/20	
			Metals ICP-TAL	6010D		02/05/20	02/05/20	
L1390-04	SB-4	SOIL			02/04/20			02/04/20
			Mercury	7471B		02/05/20	02/06/20	
			Metals ICP-TAL	6010D		02/05/20	02/05/20	
L1390-05	SB-5	SOIL			02/04/20			02/04/20
			Mercury	7471B		02/05/20	02/06/20	
			Metals ICP-TAL	6010D		02/05/20	02/05/20	

SAMPLE DATA

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-1	SDG No.:	L1390
Lab Sample ID:	L1390-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	8690	1	0.86		4.62	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-36-0	Antimony	0.50	JN	1	0.30	2.31	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-38-2	Arsenic	0.18	UN	1	0.18	0.93	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-39-3	Barium	49.1	1	0.39		4.62	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-41-7	Beryllium	0.54	N	1	0.023	0.28	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-43-9	Cadmium	0.99	1	0.022		0.28	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-70-2	Calcium	362	*	1	7.93	92.5	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-47-3	Chromium	11.0	N	1	0.14	0.46	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-48-4	Cobalt	7.72	1	0.15		1.39	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-50-8	Copper	11.1	N	1	0.093	0.93	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7439-89-6	Iron	12500	1	0.95		4.62	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7439-92-1	Lead	6.00	1	0.048		0.56	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7439-95-4	Magnesium	1630	1	7.17		92.5	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7439-96-5	Manganese	458	1	0.089		0.93	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7439-97-6	Mercury	0.011	J	1	0.0030	0.014	mg/Kg	02/05/20 14:30	02/06/20 16:28	SW7471B
7440-02-0	Nickel	21.3	1	0.20		1.85	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-09-7	Potassium	1510	1	18.3		92.5	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7782-49-2	Selenium	0.29	UN	1	0.29	0.93	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-22-4	Silver	0.83	1	0.038		0.46	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-23-5	Sodium	81.3	JN	1	12.6	92.5	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-28-0	Thallium	0.26	UN	1	0.26	1.85	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-62-2	Vanadium	13.4	N	1	0.14	1.85	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010
7440-66-6	Zinc	18.9	1	0.42		1.85	mg/Kg	02/05/20 11:31	02/05/20 18:28	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-2	SDG No.:	L1390
Lab Sample ID:	L1390-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	21000	1	0.87		4.71	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-36-0	Antimony	0.72	JN	1	0.30	2.35	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-38-2	Arsenic	0.18	UN	1	0.18	0.94	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-39-3	Barium	250	1	0.39		4.71	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-41-7	Beryllium	0.61	N	1	0.023	0.28	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-43-9	Cadmium	2.67	1	0.023		0.28	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-70-2	Calcium	289	*	1	8.07	94.2	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-47-3	Chromium	41.1	N	1	0.14	0.47	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-48-4	Cobalt	25.2	1	0.15		1.41	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-50-8	Copper	32.3	N	1	0.094	0.94	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7439-89-6	Iron	37100	1	0.96		4.71	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7439-92-1	Lead	3.85	1	0.049		0.56	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7439-95-4	Magnesium	10100	1	7.30		94.2	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7439-96-5	Manganese	526	1	0.091		0.94	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7439-97-6	Mercury	0.0070	J	1	0.0030	0.014	mg/Kg	02/05/20 14:30	02/06/20 16:30	SW7471B
7440-02-0	Nickel	43.6	1	0.21		1.88	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-09-7	Potassium	15400	1	18.7		94.2	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7782-49-2	Selenium	0.30	UN	1	0.30	0.94	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-22-4	Silver	1.53	1	0.039		0.47	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-23-5	Sodium	328	N	1	12.8	94.2	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-28-0	Thallium	0.26	UN	1	0.26	1.88	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-62-2	Vanadium	52.6	N	1	0.14	1.88	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010
7440-66-6	Zinc	88.0	1	0.42		1.88	mg/Kg	02/05/20 11:31	02/05/20 18:33	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-3	SDG No.:	L1390
Lab Sample ID:	L1390-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	9890	1	0.92		4.98	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-36-0	Antimony	0.69	JN	1	0.32	2.49	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-38-2	Arsenic	0.19	UN	1	0.19	1.00	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-39-3	Barium	70.1	1	0.42		4.98	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-41-7	Beryllium	0.38	N	1	0.024	0.30	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-43-9	Cadmium	1.08	1	0.024		0.30	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-70-2	Calcium	780	*	1	8.54	99.7	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-47-3	Chromium	15.7	N	1	0.15	0.50	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-48-4	Cobalt	9.15	1	0.16		1.50	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-50-8	Copper	13.4	N	1	0.10	1.00	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7439-89-6	Iron	14400	1	1.02		4.98	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7439-92-1	Lead	5.31	1	0.052		0.60	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7439-95-4	Magnesium	2310	1	7.73		99.7	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7439-96-5	Manganese	474	1	0.096		1.00	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7439-97-6	Mercury	0.010	J	1	0.0030	0.015	mg/Kg	02/05/20 14:30	02/06/20 16:32	SW7471B
7440-02-0	Nickel	21.0	1	0.22		1.99	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-09-7	Potassium	2420	1	19.8		99.7	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7782-49-2	Selenium	0.32	UN	1	0.32	1.00	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-22-4	Silver	0.92	1	0.041		0.50	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-23-5	Sodium	204	N	1	13.6	99.7	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-28-0	Thallium	0.28	UN	1	0.28	1.99	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-62-2	Vanadium	17.9	N	1	0.15	1.99	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010
7440-66-6	Zinc	26.5	1	0.45		1.99	mg/Kg	02/05/20 11:31	02/05/20 19:04	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-4	SDG No.:	L1390
Lab Sample ID:	L1390-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	14000		1	0.91	4.89	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-36-0	Antimony	0.63	JN	1	0.31	2.45	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-38-2	Arsenic	0.19	UN	1	0.19	0.98	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-39-3	Barium	83.1		1	0.41	4.89	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-41-7	Beryllium	0.51	N	1	0.024	0.29	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-43-9	Cadmium	1.34		1	0.023	0.29	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-70-2	Calcium	333	*	1	8.38	97.8	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-47-3	Chromium	18.7	N	1	0.15	0.49	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-48-4	Cobalt	10.7		1	0.15	1.47	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-50-8	Copper	15.7	N	1	0.098	0.98	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7439-89-6	Iron	16200		1	1.00	4.89	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7439-92-1	Lead	6.02		1	0.051	0.59	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7439-95-4	Magnesium	2620		1	7.59	97.8	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7439-96-5	Manganese	703		1	0.094	0.98	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7439-97-6	Mercury	0.015		1	0.0030	0.014	mg/Kg	02/05/20 14:30	02/06/20 16:34	SW7471B
7440-02-0	Nickel	23.8		1	0.21	1.96	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-09-7	Potassium	2750		1	19.4	97.8	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7782-49-2	Selenium	0.31	UN	1	0.31	0.98	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-22-4	Silver	1.04		1	0.040	0.49	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-23-5	Sodium	168	N	1	13.3	97.8	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-28-0	Thallium	0.27	UN	1	0.27	1.96	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-62-2	Vanadium	21.1	N	1	0.15	1.96	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010
7440-66-6	Zinc	27.1		1	0.44	1.96	mg/Kg	02/05/20 11:31	02/05/20 19:08	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	ATC Group Services LLC	Date Collected:	02/04/20
Project:	64 Centre Avenue, New Rochelle, NY	Date Received:	02/04/20
Client Sample ID:	SB-5	SDG No.:	L1390
Lab Sample ID:	L1390-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	10800	1	0.98		5.31	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-36-0	Antimony	0.94	JN	1	0.34	2.65	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-38-2	Arsenic	0.21	UN	1	0.21	1.06	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-39-3	Barium	86.0	1	0.44		5.31	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-41-7	Beryllium	0.50	N	1	0.026	0.32	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-43-9	Cadmium	1.47	1	0.025		0.32	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-70-2	Calcium	1680	*	1	9.10	106	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-47-3	Chromium	19.7	N	1	0.16	0.53	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-48-4	Cobalt	9.47	1	0.17		1.59	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-50-8	Copper	25.9	N	1	0.11	1.06	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7439-89-6	Iron	16500	1	1.09		5.31	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7439-92-1	Lead	540	1	0.055		0.64	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7439-95-4	Magnesium	3850	1	8.24		106	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7439-96-5	Manganese	280	1	0.10		1.06	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7439-97-6	Mercury	2.42	D	5	0.015	0.084	mg/Kg	02/05/20 14:30	02/06/20 17:53	SW7471B
7440-02-0	Nickel	29.9	1	0.23		2.12	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-09-7	Potassium	2040	1	21.0		106	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7782-49-2	Selenium	0.34	UN	1	0.34	1.06	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-22-4	Silver	1.38	1	0.044		0.53	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-23-5	Sodium	219	N	1	14.5	106	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-28-0	Thallium	0.30	UN	1	0.30	2.12	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-62-2	Vanadium	22.0	N	1	0.16	2.12	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010
7440-66-6	Zinc	148	1	0.48		2.12	mg/Kg	02/05/20 11:31	02/05/20 19:12	SW6010

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV04	Mercury	3.73	4.0	93	90 - 110	CV	02/06/2020	15:35	LB107594

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV80	Mercury	4.89	5.0	98	90 - 110	CV	02/06/2020	15:40	LB107594
CCV81	Mercury	4.87	5.0	98	90 - 110	CV	02/06/2020	16:09	LB107594
CCV82	Mercury	5.03	5.0	101	90 - 110	CV	02/06/2020	16:37	LB107594
CCV83	Mercury	5.22	5.0	104	90 - 110	CV	02/06/2020	17:09	LB107594
CCV84	Mercury	5.09	5.0	102	90 - 110	CV	02/06/2020	17:32	LB107594
CCV85	Mercury	5.12	5.0	102	90 - 110	CV	02/06/2020	17:55	LB107594

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2590	2520	103	95 - 105	P	02/05/2020	14:55	LB107575
	Antimony	1020	1010	101	95 - 105	P	02/05/2020	14:55	LB107575
	Arsenic	1010	997	101	95 - 105	P	02/05/2020	14:55	LB107575
	Barium	519	518	100	95 - 105	P	02/05/2020	14:55	LB107575
	Beryllium	523	514	102	95 - 105	P	02/05/2020	14:55	LB107575
	Cadmium	520	514	101	95 - 105	P	02/05/2020	14:55	LB107575
	Calcium	10100	10000	101	95 - 105	P	02/05/2020	14:55	LB107575
	Chromium	532	517	103	95 - 105	P	02/05/2020	14:55	LB107575
	Cobalt	519	521	100	95 - 105	P	02/05/2020	14:55	LB107575
	Copper	518	505	103	95 - 105	P	02/05/2020	14:55	LB107575
	Iron	10100	10100	100	95 - 105	P	02/05/2020	14:55	LB107575
	Lead	1010	1030	98	95 - 105	P	02/05/2020	14:55	LB107575
	Magnesium	6040	5990	101	95 - 105	P	02/05/2020	14:55	LB107575
	Manganese	531	524	101	95 - 105	P	02/05/2020	14:55	LB107575
	Nickel	521	525	99	95 - 105	P	02/05/2020	14:55	LB107575
	Potassium	9860	9940	99	95 - 105	P	02/05/2020	14:55	LB107575
	Selenium	1030	1030	100	95 - 105	P	02/05/2020	14:55	LB107575
	Silver	254	252	101	95 - 105	P	02/05/2020	14:55	LB107575
	Sodium	9810	10100	97	95 - 105	P	02/05/2020	14:55	LB107575
	Thallium	1030	1040	99	95 - 105	P	02/05/2020	14:55	LB107575
	Vanadium	506	504	100	95 - 105	P	02/05/2020	14:55	LB107575
	Zinc	1040	1010	103	95 - 105	P	02/05/2020	14:55	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	119	100	119	80 - 120	P	02/05/2020	15:01	LB107575
	Antimony	57.8	50.0	116	80 - 120	P	02/05/2020	15:01	LB107575
	Arsenic	22.3	20.0	111	80 - 120	P	02/05/2020	15:01	LB107575
	Barium	114	100	114	80 - 120	P	02/05/2020	15:01	LB107575
	Beryllium	6.90	6.0	115	80 - 120	P	02/05/2020	15:01	LB107575
	Cadmium	6.82	6.0	114	80 - 120	P	02/05/2020	15:01	LB107575
	Calcium	2290	2000	115	80 - 120	P	02/05/2020	15:01	LB107575
	Chromium	11.6	10.0	116	80 - 120	P	02/05/2020	15:01	LB107575
	Cobalt	32.6	30.0	109	80 - 120	P	02/05/2020	15:01	LB107575
	Copper	23.1	20.0	115	80 - 120	P	02/05/2020	15:01	LB107575
	Iron	112	100	112	80 - 120	P	02/05/2020	15:01	LB107575
	Lead	12.1	12.0	101	80 - 120	P	02/05/2020	15:01	LB107575
	Magnesium	2250	2000	113	80 - 120	P	02/05/2020	15:01	LB107575
	Manganese	23.6	20.0	118	80 - 120	P	02/05/2020	15:01	LB107575
	Nickel	44.5	40.0	111	80 - 120	P	02/05/2020	15:01	LB107575
	Potassium	2160	2000	108	80 - 120	P	02/05/2020	15:01	LB107575
	Selenium	23.3	20.0	116	80 - 120	P	02/05/2020	15:01	LB107575
	Silver	11.7	10.0	117	80 - 120	P	02/05/2020	15:01	LB107575
	Sodium	2180	2000	109	80 - 120	P	02/05/2020	15:01	LB107575
	Thallium	42.5	40.0	106	80 - 120	P	02/05/2020	15:01	LB107575
	Vanadium	42.6	40.0	107	80 - 120	P	02/05/2020	15:01	LB107575
	Zinc	46.2	40.0	116	80 - 120	P	02/05/2020	15:01	LB107575

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Antimony	5050	5000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Arsenic	5030	5000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Barium	10100	10000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Beryllium	251	250	100	90 - 110	P	02/05/2020	15:23	LB107575
	Cadmium	2500	2500	100	90 - 110	P	02/05/2020	15:23	LB107575
	Calcium	25300	25000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Chromium	1010	1000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Cobalt	2490	2500	100	90 - 110	P	02/05/2020	15:23	LB107575
	Copper	1250	1250	100	90 - 110	P	02/05/2020	15:23	LB107575
	Iron	5080	5000	102	90 - 110	P	02/05/2020	15:23	LB107575
	Lead	5010	5000	100	90 - 110	P	02/05/2020	15:23	LB107575
	Magnesium	25000	25000	100	90 - 110	P	02/05/2020	15:23	LB107575
	Manganese	2500	2500	100	90 - 110	P	02/05/2020	15:23	LB107575
	Nickel	2510	2500	100	90 - 110	P	02/05/2020	15:23	LB107575
	Potassium	25200	25000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Selenium	4990	5000	100	90 - 110	P	02/05/2020	15:23	LB107575
	Silver	1250	1250	100	90 - 110	P	02/05/2020	15:23	LB107575
	Sodium	25200	25000	101	90 - 110	P	02/05/2020	15:23	LB107575
	Thallium	5010	5000	100	90 - 110	P	02/05/2020	15:23	LB107575
	Vanadium	2520	2500	101	90 - 110	P	02/05/2020	15:23	LB107575
	Zinc	2530	2500	101	90 - 110	P	02/05/2020	15:23	LB107575

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Aluminum	114	100	114	80 - 120	P	02/05/2020	15:36	LB107575
	Antimony	58.8	50.0	118	80 - 120	P	02/05/2020	15:36	LB107575
	Arsenic	23.0	20.0	115	80 - 120	P	02/05/2020	15:36	LB107575
	Barium	116	100	116	80 - 120	P	02/05/2020	15:36	LB107575
	Beryllium	6.85	6.0	114	80 - 120	P	02/05/2020	15:36	LB107575
	Cadmium	6.78	6.0	113	80 - 120	P	02/05/2020	15:36	LB107575
	Calcium	2320	2000	116	80 - 120	P	02/05/2020	15:36	LB107575
	Chromium	10.9	10.0	109	80 - 120	P	02/05/2020	15:36	LB107575
	Cobalt	32.5	30.0	108	80 - 120	P	02/05/2020	15:36	LB107575
	Copper	22.1	20.0	111	80 - 120	P	02/05/2020	15:36	LB107575
	Iron	110	100	110	80 - 120	P	02/05/2020	15:36	LB107575
	Lead	14.3	12.0	119	80 - 120	P	02/05/2020	15:36	LB107575
	Magnesium	2270	2000	114	80 - 120	P	02/05/2020	15:36	LB107575
	Manganese	24.0	20.0	120	80 - 120	P	02/05/2020	15:36	LB107575
	Nickel	44.8	40.0	112	80 - 120	P	02/05/2020	15:36	LB107575
	Potassium	2150	2000	108	80 - 120	P	02/05/2020	15:36	LB107575
	Selenium	23.1	20.0	115	80 - 120	P	02/05/2020	15:36	LB107575
	Silver	11.7	10.0	117	80 - 120	P	02/05/2020	15:36	LB107575
	Sodium	2190	2000	109	80 - 120	P	02/05/2020	15:36	LB107575
	Thallium	41.9	40.0	105	80 - 120	P	02/05/2020	15:36	LB107575
	Vanadium	41.0	40.0	102	80 - 120	P	02/05/2020	15:36	LB107575
	Zinc	46.2	40.0	115	80 - 120	P	02/05/2020	15:36	LB107575

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Aluminum	10300	10000	103	90 - 110	P	02/05/2020	16:34	LB107575
	Antimony	5120	5000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Arsenic	5100	5000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Barium	10200	10000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Beryllium	253	250	101	90 - 110	P	02/05/2020	16:34	LB107575
	Cadmium	2530	2500	101	90 - 110	P	02/05/2020	16:34	LB107575
	Calcium	25700	25000	103	90 - 110	P	02/05/2020	16:34	LB107575
	Chromium	1030	1000	103	90 - 110	P	02/05/2020	16:34	LB107575
	Cobalt	2520	2500	101	90 - 110	P	02/05/2020	16:34	LB107575
	Copper	1260	1250	101	90 - 110	P	02/05/2020	16:34	LB107575
	Iron	5170	5000	103	90 - 110	P	02/05/2020	16:34	LB107575
	Lead	5110	5000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Magnesium	25600	25000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Manganese	2530	2500	101	90 - 110	P	02/05/2020	16:34	LB107575
	Nickel	2540	2500	102	90 - 110	P	02/05/2020	16:34	LB107575
	Potassium	25500	25000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Selenium	5090	5000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Silver	1270	1250	101	90 - 110	P	02/05/2020	16:34	LB107575
	Sodium	25500	25000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Thallium	5090	5000	102	90 - 110	P	02/05/2020	16:34	LB107575
	Vanadium	2560	2500	102	90 - 110	P	02/05/2020	16:34	LB107575
	Zinc	2590	2500	104	90 - 110	P	02/05/2020	16:34	LB107575
CCV03	Aluminum	10300	10000	103	90 - 110	P	02/05/2020	17:23	LB107575
	Antimony	5130	5000	103	90 - 110	P	02/05/2020	17:23	LB107575
	Arsenic	5120	5000	102	90 - 110	P	02/05/2020	17:23	LB107575
	Barium	10100	10000	101	90 - 110	P	02/05/2020	17:23	LB107575
	Beryllium	254	250	102	90 - 110	P	02/05/2020	17:23	LB107575
	Cadmium	2530	2500	101	90 - 110	P	02/05/2020	17:23	LB107575
	Calcium	26100	25000	104	90 - 110	P	02/05/2020	17:23	LB107575
	Chromium	1040	1000	104	90 - 110	P	02/05/2020	17:23	LB107575
	Cobalt	2520	2500	101	90 - 110	P	02/05/2020	17:23	LB107575
	Copper	1270	1250	101	90 - 110	P	02/05/2020	17:23	LB107575
	Iron	5260	5000	105	90 - 110	P	02/05/2020	17:23	LB107575
	Lead	5110	5000	102	90 - 110	P	02/05/2020	17:23	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC SDG No.: L1390

Contract: ATCE02 Lab Code: CHEM Case No.: L1390 SAS No.: L1390

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Magnesium	25500	25000	102	90 - 110	P	02/05/2020	17:23	LB107575
	Manganese	2540	2500	102	90 - 110	P	02/05/2020	17:23	LB107575
	Nickel	2550	2500	102	90 - 110	P	02/05/2020	17:23	LB107575
	Potassium	25600	25000	102	90 - 110	P	02/05/2020	17:23	LB107575
	Selenium	5090	5000	102	90 - 110	P	02/05/2020	17:23	LB107575
	Silver	1270	1250	101	90 - 110	P	02/05/2020	17:23	LB107575
	Sodium	25500	25000	102	90 - 110	P	02/05/2020	17:23	LB107575
	Thallium	5100	5000	102	90 - 110	P	02/05/2020	17:23	LB107575
	Vanadium	2560	2500	102	90 - 110	P	02/05/2020	17:23	LB107575
	Zinc	2610	2500	104	90 - 110	P	02/05/2020	17:23	LB107575
CCV04	Aluminum	10400	10000	104	90 - 110	P	02/05/2020	18:03	LB107575
	Antimony	5150	5000	103	90 - 110	P	02/05/2020	18:03	LB107575
	Arsenic	5140	5000	103	90 - 110	P	02/05/2020	18:03	LB107575
	Barium	10200	10000	102	90 - 110	P	02/05/2020	18:03	LB107575
	Beryllium	257	250	103	90 - 110	P	02/05/2020	18:03	LB107575
	Cadmium	2540	2500	102	90 - 110	P	02/05/2020	18:03	LB107575
	Calcium	26500	25000	106	90 - 110	P	02/05/2020	18:03	LB107575
	Chromium	1060	1000	106	90 - 110	P	02/05/2020	18:03	LB107575
	Cobalt	2540	2500	102	90 - 110	P	02/05/2020	18:03	LB107575
	Copper	1270	1250	102	90 - 110	P	02/05/2020	18:03	LB107575
	Iron	5340	5000	107	90 - 110	P	02/05/2020	18:03	LB107575
	Lead	5170	5000	103	90 - 110	P	02/05/2020	18:03	LB107575
	Magnesium	25900	25000	103	90 - 110	P	02/05/2020	18:03	LB107575
	Manganese	2560	2500	102	90 - 110	P	02/05/2020	18:03	LB107575
	Nickel	2580	2500	103	90 - 110	P	02/05/2020	18:03	LB107575
	Potassium	25600	25000	102	90 - 110	P	02/05/2020	18:03	LB107575
	Selenium	5100	5000	102	90 - 110	P	02/05/2020	18:03	LB107575
	Silver	1270	1250	102	90 - 110	P	02/05/2020	18:03	LB107575
	Sodium	25500	25000	102	90 - 110	P	02/05/2020	18:03	LB107575
	Thallium	5130	5000	103	90 - 110	P	02/05/2020	18:03	LB107575
	Vanadium	2580	2500	103	90 - 110	P	02/05/2020	18:03	LB107575
	Zinc	2610	2500	104	90 - 110	P	02/05/2020	18:03	LB107575
CCV05	Aluminum	10400	10000	104	90 - 110	P	02/05/2020	18:56	LB107575
	Antimony	5150	5000	103	90 - 110	P	02/05/2020	18:56	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Arsenic	5150	5000	103	90 - 110	P	02/05/2020	18:56	LB107575
	Barium	10200	10000	102	90 - 110	P	02/05/2020	18:56	LB107575
	Beryllium	257	250	103	90 - 110	P	02/05/2020	18:56	LB107575
	Cadmium	2540	2500	102	90 - 110	P	02/05/2020	18:56	LB107575
	Calcium	26400	25000	106	90 - 110	P	02/05/2020	18:56	LB107575
	Chromium	1050	1000	105	90 - 110	P	02/05/2020	18:56	LB107575
	Cobalt	2530	2500	101	90 - 110	P	02/05/2020	18:56	LB107575
	Copper	1280	1250	102	90 - 110	P	02/05/2020	18:56	LB107575
	Iron	5310	5000	106	90 - 110	P	02/05/2020	18:56	LB107575
	Lead	5170	5000	104	90 - 110	P	02/05/2020	18:56	LB107575
	Magnesium	25600	25000	103	90 - 110	P	02/05/2020	18:56	LB107575
	Manganese	2580	2500	103	90 - 110	P	02/05/2020	18:56	LB107575
	Nickel	2580	2500	103	90 - 110	P	02/05/2020	18:56	LB107575
	Potassium	25700	25000	103	90 - 110	P	02/05/2020	18:56	LB107575
	Selenium	5120	5000	102	90 - 110	P	02/05/2020	18:56	LB107575
	Silver	1260	1250	101	90 - 110	P	02/05/2020	18:56	LB107575
	Sodium	25500	25000	102	90 - 110	P	02/05/2020	18:56	LB107575
	Thallium	5130	5000	103	90 - 110	P	02/05/2020	18:56	LB107575
	Vanadium	2570	2500	103	90 - 110	P	02/05/2020	18:56	LB107575
	Zinc	2590	2500	104	90 - 110	P	02/05/2020	18:56	LB107575
CCV06	Aluminum	10400	10000	104	90 - 110	P	02/05/2020	19:43	LB107575
	Antimony	5070	5000	102	90 - 110	P	02/05/2020	19:43	LB107575
	Arsenic	5040	5000	101	90 - 110	P	02/05/2020	19:43	LB107575
	Barium	10300	10000	103	90 - 110	P	02/05/2020	19:43	LB107575
	Beryllium	259	250	104	90 - 110	P	02/05/2020	19:43	LB107575
	Cadmium	2540	2500	102	90 - 110	P	02/05/2020	19:43	LB107575
	Calcium	26200	25000	105	90 - 110	P	02/05/2020	19:43	LB107575
	Chromium	1040	1000	104	90 - 110	P	02/05/2020	19:43	LB107575
	Cobalt	2510	2500	100	90 - 110	P	02/05/2020	19:43	LB107575
	Copper	1250	1250	100	90 - 110	P	02/05/2020	19:43	LB107575
	Iron	5170	5000	103	90 - 110	P	02/05/2020	19:43	LB107575
	Lead	5180	5000	104	90 - 110	P	02/05/2020	19:43	LB107575
	Magnesium	25900	25000	104	90 - 110	P	02/05/2020	19:43	LB107575
	Manganese	2600	2500	104	90 - 110	P	02/05/2020	19:43	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Nickel	2550	2500	102	90 - 110	P	02/05/2020	19:43	LB107575
	Potassium	25200	25000	101	90 - 110	P	02/05/2020	19:43	LB107575
	Selenium	5030	5000	101	90 - 110	P	02/05/2020	19:43	LB107575
	Silver	1280	1250	102	90 - 110	P	02/05/2020	19:43	LB107575
	Sodium	25300	25000	101	90 - 110	P	02/05/2020	19:43	LB107575
	Thallium	5080	5000	102	90 - 110	P	02/05/2020	19:43	LB107575
	Vanadium	2600	2500	104	90 - 110	P	02/05/2020	19:43	LB107575
	Zinc	2560	2500	102	90 - 110	P	02/05/2020	19:43	LB107575



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals

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CRDL STANDARD FOR AA & ICP

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	110	100	110	40 - 160	P	02/05/2020	15:09	LB107575
	Antimony	58.0	50.0	116	40 - 160	P	02/05/2020	15:09	LB107575
	Arsenic	24.1	20.0	121	40 - 160	P	02/05/2020	15:09	LB107575
	Barium	113	100	114	40 - 160	P	02/05/2020	15:09	LB107575
	Beryllium	6.75	6.0	112	40 - 160	P	02/05/2020	15:09	LB107575
	Cadmium	6.77	6.0	113	40 - 160	P	02/05/2020	15:09	LB107575
	Calcium	2280	2000	114	40 - 160	P	02/05/2020	15:09	LB107575
	Chromium	11.3	10.0	112	40 - 160	P	02/05/2020	15:09	LB107575
	Cobalt	32.9	30.0	110	40 - 160	P	02/05/2020	15:09	LB107575
	Copper	22.4	20.0	112	40 - 160	P	02/05/2020	15:09	LB107575
	Iron	111	100	110	40 - 160	P	02/05/2020	15:09	LB107575
	Lead	11.5	12.0	96	40 - 160	P	02/05/2020	15:09	LB107575
	Magnesium	2220	2000	111	40 - 160	P	02/05/2020	15:09	LB107575
	Manganese	23.7	20.0	119	40 - 160	P	02/05/2020	15:09	LB107575
	Nickel	45.5	40.0	114	40 - 160	P	02/05/2020	15:09	LB107575
	Potassium	2180	2000	109	40 - 160	P	02/05/2020	15:09	LB107575
	Selenium	21.7	20.0	108	40 - 160	P	02/05/2020	15:09	LB107575
	Silver	11.5	10.0	115	40 - 160	P	02/05/2020	15:09	LB107575
	Sodium	2160	2000	108	40 - 160	P	02/05/2020	15:09	LB107575
	Thallium	43.0	40.0	107	40 - 160	P	02/05/2020	15:09	LB107575
	Vanadium	43.2	40.0	108	40 - 160	P	02/05/2020	15:09	LB107575
	Zinc	46.3	40.0	116	40 - 160	P	02/05/2020	15:09	LB107575
CRA	Mercury	0.22	0.2	108	40 - 160	CV	02/06/2020	15:44	LB107594



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB04	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	15:37	LB107594

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC		SDG No.: L1390							
Contract: ATCE02	Lab Code: CHEM	Case No.: L1390	SAS No.: L1390						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	15:42	LB107594
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	16:12	LB107594
CCB82	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	16:39	LB107594
CCB83	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	17:14	LB107594
CCB84	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	17:34	LB107594
CCB85	Mercury	0.20	+/-0.20	U	0.20	CV	02/06/2020	17:57	LB107594

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	02/05/2020	15:05	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	15:05	LB107575
	Arsenic	2.38	+/-20.0	J	20.0	P	02/05/2020	15:05	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	15:05	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	15:05	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	15:05	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	15:05	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	15:05	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	15:05	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	15:05	LB107575
	Iron	100	+/-100	U	100	P	02/05/2020	15:05	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	15:05	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	15:05	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	15:05	LB107575
	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	15:05	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	15:05	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	15:05	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	15:05	LB107575
	Sodium	2000	+/-2000	U	2000	P	02/05/2020	15:05	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	15:05	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	15:05	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	15:05	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	02/05/2020	15:50	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	15:50	LB107575
	Arsenic	4.11	+/-20.0	J	20.0	P	02/05/2020	15:50	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	15:50	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	15:50	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	15:50	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	15:50	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	15:50	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	15:50	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	15:50	LB107575
	Iron	100	+/-100	U	100	P	02/05/2020	15:50	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	15:50	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	15:50	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	15:50	LB107575
	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	15:50	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	15:50	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	15:50	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	15:50	LB107575
	Sodium	2000	+/-2000	U	2000	P	02/05/2020	15:50	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	15:50	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	15:50	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	15:50	LB107575
CCB02	Aluminum	100	+/-100	U	100	P	02/05/2020	16:38	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	16:38	LB107575
	Arsenic	3.44	+/-20.0	J	20.0	P	02/05/2020	16:38	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	16:38	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	16:38	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	16:38	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	16:38	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	16:38	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	16:38	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	16:38	LB107575
	Iron	100	+/-100	U	100	P	02/05/2020	16:38	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	16:38	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	16:38	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	16:38	LB107575
	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	16:38	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	16:38	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	16:38	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	16:38	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Sodium	2000	+/-2000	U	2000	P	02/05/2020	16:38	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	16:38	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	16:38	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	16:38	LB107575
CCB03	Aluminum	100	+/-100	U	100	P	02/05/2020	17:27	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	17:27	LB107575
	Arsenic	3.23	+/-20.0	J	20.0	P	02/05/2020	17:27	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	17:27	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	17:27	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	17:27	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	17:27	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	17:27	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	17:27	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	17:27	LB107575
	Iron	100	+/-100	U	100	P	02/05/2020	17:27	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	17:27	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	17:27	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	17:27	LB107575
	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	17:27	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	17:27	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	17:27	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	17:27	LB107575
	Sodium	2000	+/-2000	U	2000	P	02/05/2020	17:27	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	17:27	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	17:27	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	17:27	LB107575
CCB04	Aluminum	100	+/-100	U	100	P	02/05/2020	18:07	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	18:07	LB107575
	Arsenic	20.0	+/-20.0	U	20.0	P	02/05/2020	18:07	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	18:07	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	18:07	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	18:07	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	18:07	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	18:07	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	18:07	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	18:07	LB107575
	Iron	100	+/-100	U	100	P	02/05/2020	18:07	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	18:07	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	18:07	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	18:07	LB107575

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	18:07	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	18:07	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	18:07	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	18:07	LB107575
	Sodium	2000	+/-2000	U	2000	P	02/05/2020	18:07	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	18:07	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	18:07	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	18:07	LB107575
CCB05	Aluminum	100	+/-100	U	100	P	02/05/2020	19:00	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	19:00	LB107575
	Arsenic	1.64	+/-20.0	J	20.0	P	02/05/2020	19:00	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	19:00	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	19:00	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	19:00	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	19:00	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	19:00	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	19:00	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	19:00	LB107575
	Iron	100	+/-100	U	100	P	02/05/2020	19:00	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	19:00	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	19:00	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	19:00	LB107575
	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	19:00	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	19:00	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	19:00	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	19:00	LB107575
	Sodium	2000	+/-2000	U	2000	P	02/05/2020	19:00	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	19:00	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	19:00	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	19:00	LB107575
CCB06	Aluminum	100	+/-100	U	100	P	02/05/2020	19:47	LB107575
	Antimony	50.0	+/-50.0	U	50.0	P	02/05/2020	19:47	LB107575
	Arsenic	1.57	+/-20.0	J	20.0	P	02/05/2020	19:47	LB107575
	Barium	100	+/-100	U	100	P	02/05/2020	19:47	LB107575
	Beryllium	6.00	+/-6.00	U	6.00	P	02/05/2020	19:47	LB107575
	Cadmium	6.00	+/-6.00	U	6.00	P	02/05/2020	19:47	LB107575
	Calcium	2000	+/-2000	U	2000	P	02/05/2020	19:47	LB107575
	Chromium	10.0	+/-10.0	U	10.0	P	02/05/2020	19:47	LB107575
	Cobalt	30.0	+/-30.0	U	30.0	P	02/05/2020	19:47	LB107575
	Copper	20.0	+/-20.0	U	20.0	P	02/05/2020	19:47	LB107575

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Iron	100	+/-100	U	100	P	02/05/2020	19:47	LB107575
	Lead	12.0	+/-12.0	U	12.0	P	02/05/2020	19:47	LB107575
	Magnesium	2000	+/-2000	U	2000	P	02/05/2020	19:47	LB107575
	Manganese	20.0	+/-20.0	U	20.0	P	02/05/2020	19:47	LB107575
	Nickel	40.0	+/-40.0	U	40.0	P	02/05/2020	19:47	LB107575
	Potassium	2000	+/-2000	U	2000	P	02/05/2020	19:47	LB107575
	Selenium	20.0	+/-20.0	U	20.0	P	02/05/2020	19:47	LB107575
	Silver	10.0	+/-10.0	U	10.0	P	02/05/2020	19:47	LB107575
	Sodium	2000	+/-2000	U	2000	P	02/05/2020	19:47	LB107575
	Thallium	40.0	+/-40.0	U	40.0	P	02/05/2020	19:47	LB107575
	Vanadium	40.0	+/-40.0	U	40.0	P	02/05/2020	19:47	LB107575
	Zinc	40.0	+/-40.0	U	40.0	P	02/05/2020	19:47	LB107575

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB126616BL		SOLID		Batch Number:	PB126616		Prep Date:	02/05/2020	
	Mercury	0.0040	<0.013	J	0.013	CV	02/06/2020	15:51	LB107594

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB126609BL	SOLID			Batch Number:	PB126609		Prep Date:	02/05/2020	
	Aluminum	4.98	<4.98	U	4.98	P	02/05/2020	17:51	LB107575
	Antimony	2.49	<2.49	U	2.49	P	02/05/2020	17:51	LB107575
	Arsenic	1.00	<1.00	U	1.00	P	02/05/2020	17:51	LB107575
	Barium	4.98	<4.98	U	4.98	P	02/05/2020	17:51	LB107575
	Beryllium	0.30	<0.30	U	0.30	P	02/05/2020	17:51	LB107575
	Cadmium	0.30	<0.30	U	0.30	P	02/05/2020	17:51	LB107575
	Calcium	99.5	<99.5	U	99.5	P	02/05/2020	17:51	LB107575
	Chromium	0.50	<0.50	U	0.50	P	02/05/2020	17:51	LB107575
	Cobalt	1.49	<1.49	U	1.49	P	02/05/2020	17:51	LB107575
	Copper	1.00	<1.00	U	1.00	P	02/05/2020	17:51	LB107575
	Iron	4.98	<4.98	U	4.98	P	02/05/2020	17:51	LB107575
	Lead	0.60	<0.60	U	0.60	P	02/05/2020	17:51	LB107575
	Magnesium	99.5	<99.5	U	99.5	P	02/05/2020	17:51	LB107575
	Manganese	1.00	<1.00	U	1.00	P	02/05/2020	17:51	LB107575
	Nickel	1.99	<1.99	U	1.99	P	02/05/2020	17:51	LB107575
	Potassium	99.5	<99.5	U	99.5	P	02/05/2020	17:51	LB107575
	Selenium	1.00	<1.00	U	1.00	P	02/05/2020	17:51	LB107575
	Silver	0.50	<0.50	U	0.50	P	02/05/2020	17:51	LB107575
	Sodium	99.5	<99.5	U	99.5	P	02/05/2020	17:51	LB107575
	Thallium	1.99	<1.99	U	1.99	P	02/05/2020	17:51	LB107575
	Vanadium	1.99	<1.99	U	1.99	P	02/05/2020	17:51	LB107575
	Zinc	1.99	<1.99	U	1.99	P	02/05/2020	17:51	LB107575

Metals
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INTERFERENCE CHECK SAMPLE

Client:	ATC Group Services LLC	SDG No.:	L1390
Contract:	ATCE02	Lab Code:	CHEM
ICS Source:	EPA	Case No.:	L1390
		SAS No.:	L1390
		Instrument ID:	P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	262000	254900	103	203920	305880	02/05/2020	15:14	LB107575
	Antimony	37.0			-50	50	02/05/2020	15:14	LB107575
	Arsenic	-7.61			-20	20	02/05/2020	15:14	LB107575
	Barium	7.14	6.0	119	-94	106	02/05/2020	15:14	LB107575
	Beryllium	0.58			-6	6	02/05/2020	15:14	LB107575
	Cadmium	0.057	1.0	6	-5	7	02/05/2020	15:14	LB107575
	Calcium	247000	244500	101	195600	293400	02/05/2020	15:14	LB107575
	Chromium	55.4	52.0	106	42	62	02/05/2020	15:14	LB107575
	Cobalt	3.21			-30	30	02/05/2020	15:14	LB107575
	Copper	-6.08	2.0	304	-18	22	02/05/2020	15:14	LB107575
	Iron	100000	100700	99	80560	120840	02/05/2020	15:14	LB107575
	Lead	0.93			-12	12	02/05/2020	15:14	LB107575
	Magnesium	269000	255400	105	204320	306480	02/05/2020	15:14	LB107575
	Manganese	13.6	7.0	194	-13	27	02/05/2020	15:14	LB107575
	Nickel	15.6	2.0	780	-38	42	02/05/2020	15:14	LB107575
	Potassium	13.3			0	0	02/05/2020	15:14	LB107575
	Selenium	1.66			-20	20	02/05/2020	15:14	LB107575
	Silver	8.05			-10	10	02/05/2020	15:14	LB107575
	Sodium	7.51			0	0	02/05/2020	15:14	LB107575
	Thallium	13.8			-40	40	02/05/2020	15:14	LB107575
	Vanadium	-6.16			-40	40	02/05/2020	15:14	LB107575
	Zinc	5.59			-40	40	02/05/2020	15:14	LB107575
ICSAB01	Aluminum	262000	246800	106	197440	296160	02/05/2020	15:18	LB107575
	Antimony	651	618	105	494	742	02/05/2020	15:18	LB107575
	Arsenic	97.1	104	93	83	125	02/05/2020	15:18	LB107575
	Barium	525	537	98	337	737	02/05/2020	15:18	LB107575
	Beryllium	529	495	107	396	594	02/05/2020	15:18	LB107575
	Cadmium	1040	972	107	778	1166	02/05/2020	15:18	LB107575
	Calcium	248000	234900	106	187920	281880	02/05/2020	15:18	LB107575
	Chromium	569	542	105	434	650	02/05/2020	15:18	LB107575
	Cobalt	525	476	110	381	571	02/05/2020	15:18	LB107575
	Copper	498	511	98	409	613	02/05/2020	15:18	LB107575
	Iron	99700	99320	100	79456	119184	02/05/2020	15:18	LB107575
	Lead	56.3	49.0	115	39	59	02/05/2020	15:18	LB107575
	Magnesium	267000	248000	108	198400	297600	02/05/2020	15:18	LB107575
	Manganese	522	507	103	406	608	02/05/2020	15:18	LB107575
	Nickel	1050	954	110	763	1145	02/05/2020	15:18	LB107575
	Potassium	237			0	0	02/05/2020	15:18	LB107575
	Selenium	52.8	46.0	115	11	81	02/05/2020	15:18	LB107575
	Silver	224	201	111	161	241	02/05/2020	15:18	LB107575
	Sodium	484			0	0	02/05/2020	15:18	LB107575
	Thallium	98.0	108	91	83	133	02/05/2020	15:18	LB107575
	Vanadium	499	491	102	393	589	02/05/2020	15:18	LB107575
	Zinc	1050	952	110	762	1142	02/05/2020	15:18	LB107575

METAL
QC
DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>ATC Group Services LLC</u>	level: <u>low</u>	sdg no.: <u>L1390</u>
contract: <u>ATCE02</u>	lab code: <u>CHEM</u>	case no.: <u>L1390</u> sas no.: <u>L1390</u>
matrix: <u>Solid</u>	sample id: <u>L1347-02</u>	client id: <u>COMP-01MS</u>
Percent Solids for Sample: 86.7	Spiked ID: L1347-02MS	Percent Solids for Spike Sample: 86.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.38		0.11		0.3	92		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>ATC Group Services LLC</u>	level:	<u>low</u>	sdg no.:	<u>L1390</u>
contract:	<u>ATCE02</u>	lab code:	<u>CHEM</u>	case no.:	<u>L1390</u>
matrix:	<u>Solid</u>	sample id:	<u>L1347-02</u>	client id:	<u>COMP-01MSD</u>
Percent Solids for Sample:	<u>86.7</u>	Spiked ID:	<u>L1347-02MSD</u>	Percent Solids for Spike Sample:	<u>86.7</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.39		0.11		0.3	94		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: ATC Group Services LLC **level:** low **sdg no.:** L1390
contract: ATCE02 **lab code:** CHEM **case no.:** L1390 **sas no.:** L1390
matrix: Solid **sample id:** L1390-02 **client id:** SB-2MS
Percent Solids for Sample: 88.5 **Spiked ID:** L1390-02MS **Percent Solids for Spike Sample:** 88.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	19400		21000		95.0	-1603		P
Antimony	mg/Kg	75 - 125	3.29		0.72	J	38.0	7	N	P
Arsenic	mg/Kg	75 - 125	14.2		0.94	U	38.0	37	N	P
Barium	mg/Kg	75 - 125	240		250		9.5	-102		P
Beryllium	mg/Kg	75 - 125	7.66		0.61		9.5	74	N	P
Cadmium	mg/Kg	75 - 125	12.0		2.67		9.5	99		P
Calcium	mg/Kg	75 - 125	1740		289		47.5	3047		P
Chromium	mg/Kg	75 - 125	55.2		41.1		19.0	74	N	P
Cobalt	mg/Kg	75 - 125	34.1		25.2		9.5	94		P
Copper	mg/Kg	75 - 125	58.6		32.3		14.2	185	N	P
Iron	mg/Kg	75 - 125	36100		37100		140	-754		P
Lead	mg/Kg	75 - 125	45.8		3.85		47.5	88		P
Magnesium	mg/Kg	75 - 125	9390		10100		95.0	-784		P
Manganese	mg/Kg	75 - 125	563		526		9.5	391		P
Nickel	mg/Kg	75 - 125	69.2		43.6		23.7	108		P
Potassium	mg/Kg	75 - 125	14000		15400		470	-288		P
Selenium	mg/Kg	75 - 125	29.3		0.94	U	95.0	31	N	P
Silver	mg/Kg	75 - 125	4.32		1.53		3.6	78		P
Sodium	mg/Kg	75 - 125	419		328		140	64	N	P
Thallium	mg/Kg	75 - 125	54.5		1.88	U	95.0	57	N	P
Vanadium	mg/Kg	75 - 125	60.7		52.6		14.2	57	N	P
Zinc	mg/Kg	75 - 125	82.6		88.0		9.5	-57		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: ATC Group Services LLC **level:** low **sdg no.:** L1390
contract: ATCE02 **lab code:** CHEM **case no.:** L1390 **sas no.:** L1390
matrix: Solid **sample id:** L1390-02 **client id:** SB-2MSD
Percent Solids for Sample: 88.5 **Spiked ID:** L1390-02MSD **Percent Solids for Spike Sample:** 88.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	20700		21000		95.4	-289		P
Antimony	mg/Kg	75 - 125	3.28		0.72	J	38.1	7	N	P
Arsenic	mg/Kg	75 - 125	15.6		0.94	U	38.1	41	N	P
Barium	mg/Kg	75 - 125	254		250		9.5	37		P
Beryllium	mg/Kg	75 - 125	8.03		0.61		9.5	78		P
Cadmium	mg/Kg	75 - 125	11.7		2.67		9.5	95		P
Calcium	mg/Kg	75 - 125	1210		289		47.7	1921		P
Chromium	mg/Kg	75 - 125	58.9		41.1		19.1	93		P
Cobalt	mg/Kg	75 - 125	34.1		25.2		9.5	94		P
Copper	mg/Kg	75 - 125	56.0		32.3		14.3	166	N	P
Iron	mg/Kg	75 - 125	36800		37100		140	-215		P
Lead	mg/Kg	75 - 125	45.7		3.85		47.7	88		P
Magnesium	mg/Kg	75 - 125	9980		10100		95.4	-165		P
Manganese	mg/Kg	75 - 125	561		526		9.5	369		P
Nickel	mg/Kg	75 - 125	69.4		43.6		23.8	109		P
Potassium	mg/Kg	75 - 125	15000		15400		480	-67		P
Selenium	mg/Kg	75 - 125	32.8		0.94	U	95.4	34	N	P
Silver	mg/Kg	75 - 125	4.46		1.53		3.6	82		P
Sodium	mg/Kg	75 - 125	444		328		140	83		P
Thallium	mg/Kg	75 - 125	54.5		1.88	U	95.4	57	N	P
Vanadium	mg/Kg	75 - 125	64.9		52.6		14.3	86		P
Zinc	mg/Kg	75 - 125	86.4		88.0		9.5	-17		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Matrix: Solid

Level: LOW

Client ID: SB-2A

Sample ID: L1390-02

Spiked ID: L1390-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	3.20		0.72	J	37.7	7		P
Arsenic	mg/Kg	75 - 125	14.7		0.94	U	37.7	39		P
Beryllium	mg/Kg	75 - 125	7.78		0.61		9.40	76		P
Chromium	mg/Kg	75 - 125	56.8		41.1		18.8	83		P
Copper	mg/Kg	75 - 125	56.6		32.3		14.1	172		P
Selenium	mg/Kg	75 - 125	30.4		0.94	U	94.2	32		P
Sodium	mg/Kg	75 - 125	430		328		140	72		P
Thallium	mg/Kg	75 - 125	54.1		1.88	U	94.2	57		P
Vanadium	mg/Kg	75 - 125	62.7		52.6		14.1	72		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	ATC Group Services LLC	Level:	LOW	SDG No.:	L1390		
Contract:	ATCE02	Lab Code:	CHEM	Case No.:	L1390	SAS No.:	L1390
Matrix:	Solid	Sample ID:	L1347-02	Client ID:	COMP-01DUP		
Percent Solids for Sample:	86.7	Duplicate ID	L1347-02DUP	Percent Solids for Spike Sample:	86.7		

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.11		0.098		8		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: ATC Group Services LLC **Level:** LOW **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Matrix: Solid **Sample ID:** L1347-02MS **Client ID:** COMP-01MSD
Percent Solids for Sample: 86.7 **Duplicate ID** L1347-02MSD **Percent Solids for Spike Sample:** 86.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.38		0.39		1		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: ATC Group Services LLC **Level:** LOW **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Matrix: Solid **Sample ID:** L1390-02 **Client ID:** SB-2DUP
Percent Solids for Sample: 88.5 **Duplicate ID** L1390-02DUP **Percent Solids for Spike Sample:** 88.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	21000		20900		0		P
Antimony	mg/Kg	20	0.72	J	0.55	J	26		P
Arsenic	mg/Kg	20	0.94	U	0.95	U			P
Barium	mg/Kg	20	250		250		0		P
Beryllium	mg/Kg	20	0.61		0.61		0		P
Cadmium	mg/Kg	20	2.67		2.70		1		P
Calcium	mg/Kg	20	289		300		4		P
Chromium	mg/Kg	20	41.1		41.1		0		P
Cobalt	mg/Kg	20	25.2		25.1		0		P
Copper	mg/Kg	20	32.3		32.4		0		P
Iron	mg/Kg	20	37100		36900		1		P
Lead	mg/Kg	20	3.85		4.15		8		P
Magnesium	mg/Kg	20	10100		10100		0		P
Manganese	mg/Kg	20	526		523		1		P
Nickel	mg/Kg	20	43.6		43.6		0		P
Potassium	mg/Kg	20	15400		15300		1		P
Selenium	mg/Kg	20	0.94	U	0.95	U			P
Silver	mg/Kg	20	1.53		1.53		0		P
Sodium	mg/Kg	20	328		329		0		P
Thallium	mg/Kg	20	1.88	U	1.89	U			P
Vanadium	mg/Kg	20	52.6		52.7		0		P
Zinc	mg/Kg	20	88.0		87.6		0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: ATC Group Services LLC **Level:** LOW **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Matrix: Solid **Sample ID:** L1390-02MS **Client ID:** SB-2MSD
Percent Solids for Sample: 88.5 **Duplicate ID** L1390-02MSD **Percent Solids for Spike Sample:** 88.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	19400		20700		6		P
Antimony	mg/Kg	20	3.29		3.28		0		P
Arsenic	mg/Kg	20	14.2		15.6		9		P
Barium	mg/Kg	20	240		254		6		P
Beryllium	mg/Kg	20	7.66		8.03		5		P
Cadmium	mg/Kg	20	12.0		11.7		3		P
Calcium	mg/Kg	20	1740		1210		36	*	P
Chromium	mg/Kg	20	55.2		58.9		6		P
Cobalt	mg/Kg	20	34.1		34.1		0		P
Copper	mg/Kg	20	58.6		56.0		5		P
Iron	mg/Kg	20	36100		36800		2		P
Lead	mg/Kg	20	45.8		45.7		0		P
Magnesium	mg/Kg	20	9390		9980		6		P
Manganese	mg/Kg	20	563		561		0		P
Nickel	mg/Kg	20	69.2		69.4		0		P
Potassium	mg/Kg	20	14000		15000		7		P
Selenium	mg/Kg	20	29.3		32.8		11		P
Silver	mg/Kg	20	4.32		4.46		3		P
Sodium	mg/Kg	20	419		444		6		P
Thallium	mg/Kg	20	54.5		54.5		0		P
Vanadium	mg/Kg	20	60.7		64.9		7		P
Zinc	mg/Kg	20	82.6		86.4		4		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB126609BS							
Aluminum	mg/Kg	99.5	101		102	80 - 120	P
Antimony	mg/Kg	39.8	38.9		98	80 - 120	P
Arsenic	mg/Kg	39.8	36.8		92	80 - 120	P
Barium	mg/Kg	10.0	10.3		103	80 - 120	P
Beryllium	mg/Kg	10.0	9.51		95	80 - 120	P
Cadmium	mg/Kg	10.0	9.46		95	80 - 120	P
Calcium	mg/Kg	49.8	50.0	J	100	80 - 120	P
Chromium	mg/Kg	19.9	20.9		105	80 - 120	P
Cobalt	mg/Kg	10.0	9.70		97	80 - 120	P
Copper	mg/Kg	14.9	14.8		99	80 - 120	P
Iron	mg/Kg	150	151		101	80 - 120	P
Lead	mg/Kg	49.8	47.5		95	80 - 120	P
Magnesium	mg/Kg	99.5	96.2	J	97	80 - 120	P
Manganese	mg/Kg	10.0	10.1		101	80 - 120	P
Nickel	mg/Kg	24.9	24.8		100	80 - 120	P
Potassium	mg/Kg	500	479		96	80 - 120	P
Selenium	mg/Kg	99.5	88.0		88	80 - 120	P
Silver	mg/Kg	3.7	3.59		97	80 - 120	P
Sodium	mg/Kg	150	145		97	80 - 120	P
Thallium	mg/Kg	99.5	95.6		96	80 - 120	P
Vanadium	mg/Kg	14.9	15.0		101	80 - 120	P
Zinc	mg/Kg	10.0	10.0		100	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB126616BS Mercury	mg/Kg	0.27	0.25		93	70 - 130	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP-01L

Lab Name: Chemtech Consulting Group

Lab Code: CHEM **Lb No.:** lb107594

Matrix (soil/water): Solid

Contract: ATCE02

Lab Sample ID : L1347-02L **SDG No.:** L1390

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.11	0.13	22		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

SB-2L

Lab Name: Chemtech Consulting Group

Contract: ATCE02

Lab Code: CHEM **Lb No.:** lb107575

Lab Sample ID : L1390-02L **SDG No.:** L1390

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum	21000		21400		2		P
Antimony	0.72	J	11.8	U	100.0		P
Arsenic	0.94	U	4.71	U			P
Barium	250		256		2		P
Beryllium	0.61		0.58	J	4		P
Cadmium	2.67		1.78		34		P
Calcium	289		377	J	30		P
Chromium	41.1		44.0		7		P
Cobalt	25.2		24.8		2		P
Copper	32.3		36.3		12		P
Iron	37100		39000		5		P
Lead	3.85		4.16		8		P
Magnesium	10100		10300		2		P
Manganese	526		566		8		P
Nickel	43.6		44.0		1		P
Potassium	15400		14800		4		P
Selenium	0.94	U	4.71	U			P
Silver	1.53		1.50	J	1		P
Sodium	328		319	J	3		P
Thallium	1.88	U	9.42	U			P
Vanadium	52.6		55.7		6		P
Zinc	88.0		93.2		6		P

METAL
PREPARATION &
INSTRUMENT
DATA

Metals

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Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Instrument ID: P4 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOQ/CRQL	Date:
SOLIDS				
Method:	6010D			
Aluminum	396	0.93	5.00	
Antimony	207	0.32	2.50	
Arsenic	189	0.19	1.00	
Barium	493	0.42	5.00	
Beryllium	235	0.024	0.30	
Cadmium	227	0.024	0.30	
Calcium	374	8.57	100	
Chromium	268	0.15	0.50	
Cobalt	229	0.16	1.50	
Copper	225	0.10	1.00	
Iron	240	1.02	5.00	
Lead	220	0.052	0.60	
Magnesium	279	7.76	100	
Manganese	258	0.096	1.00	
Nickel	232	0.22	2.00	
Potassium	766	19.8	100	
Selenium	196	0.32	1.00	
Silver	328	0.041	0.50	
Sodium	590	13.6	100	
Thallium	191	0.28	2.00	
Vanadium	292	0.15	2.00	
Zinc	214	0.45	2.00	

Metals

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Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Case No.:** L1390 **SAS No.:** L1390
Instrument ID: CV1 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOQ/CRQL	Date:
SOLIDS				
Method: Mercury	7471B 254	0.0020	0.010	

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0001030	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000090	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000840	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0001620	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001070	0.0000000	0.0000280	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001280	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001170	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001900	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0001570
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0004170
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002660
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0018500
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0308240
Antimony	206.833	0.0013816	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0011220	0.0000000	0.0000000	0.0000000	0.0015300
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000740	-0.0003180
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000600
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0002280	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011900
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0014660
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0003060	0.0000000	0.0000000	0.0001250	-0.0013650
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	-0.0137700
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0020550
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0006680	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0002250	0.0000000	0.0000000	0.0011640	0.0000000
Vanadium	292.402	-0.0032600	0.0000000	0.0000000	-0.0220050	-0.0003720
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	-0.0004160	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	-0.0000930	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0001600	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0049290	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0002444	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0057000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ATC Group Services LLC

SDG No.: L1390

Contract: ATCE02

Lab Code: CHEM

Case No.: L1390

SAS No.: L1390

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	-0.0018200	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	-0.0040370	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	-0.0346560	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

**Metals
- 13 -****SAMPLE PREPARATION SUMMARY**

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Method:**
Case No.: L1390 **SAS No.:** L1390

						Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB126609								
L1390-01	SB-1	SAM	SOLID	02/05/2020		2.43	100.0	89.00
L1390-02	SB-2	SAM	SOLID	02/05/2020		2.40	100.0	88.50
L1390-02DUP	SB-2DUP	DUP	SOLID	02/05/2020		2.39	100.0	88.50
L1390-02MS	SB-2MS	MS	SOLID	02/05/2020		2.38	100.0	88.50
L1390-02MSD	SB-2MSD	MSD	SOLID	02/05/2020		2.37	100.0	88.50
L1390-03	SB-3	SAM	SOLID	02/05/2020		2.40	100.0	83.60
L1390-04	SB-4	SAM	SOLID	02/05/2020		2.35	100.0	87.00
L1390-05	SB-5	SAM	SOLID	02/05/2020		2.34	100.0	80.50
PB126609BL	PB126609BL	MB	SOLID	02/05/2020		2.01	100.0	100.00
PB126609BS	PB126609BS	LCS	SOLID	02/05/2020		2.01	100.0	100.00

Metals
- 13 -**SAMPLE PREPARATION SUMMARY**

Client: ATC Group Services LLC **SDG No.:** L1390
Contract: ATCE02 **Lab Code:** CHEM **Method:**
Case No.: L1390 **SAS No.:** L1390

					Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date			
Batch Number: PB126616							
L1347-02DUP	COMP-01DUP	DUP	SOLID	02/05/2020	0.51	35.0	86.70
L1347-02MS	COMP-01MS	MS	SOLID	02/05/2020	0.54	35.0	86.70
L1347-02MSD	COMP-01MSD	MSD	SOLID	02/05/2020	0.54	35.0	86.70
L1390-01	SB-1	SAM	SOLID	02/05/2020	0.55	35.0	89.00
L1390-02	SB-2	SAM	SOLID	02/05/2020	0.55	35.0	88.50
L1390-03	SB-3	SAM	SOLID	02/05/2020	0.57	35.0	83.60
L1390-04	SB-4	SAM	SOLID	02/05/2020	0.58	35.0	87.00
L1390-05	SB-5	SAM	SOLID	02/05/2020	0.52	35.0	80.50
PB126616BL	PB126616BL	MB	SOLID	02/05/2020	0.53	35.0	100.00
PB126616BS	PB126616BS	LCS	SOLID	02/05/2020	0.52	35.0	100.00

metals
- 14 -
ANALYSIS RUN LOG

Client: ATC Group Services LLC **Contract:** ATCE02

Lab code: CHEM **Case no.:** L1390 **Sas no.:** L1390 **Sdg no.:** L1390

Instrument id number: **Method:** **Run number:** LB107575

Start date: 02/05/2020 **End date:** 02/05/2020

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1422	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1426	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1430	Ca,K,Mg,Na
S3	S3	1	1434	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1438	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1442	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1455	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1501	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1514	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1518	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1523	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLCCV01	LLCCV01	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1550	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1638	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1723	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB126609BL	PB126609BL	1	1751	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB126609BS	PB126609BS	1	1755	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1803	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1807	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-01	SB-1	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-02	SB-2	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-02DUP	SB-2DUP	1	1836	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-02L	SB-2L	5	1840	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-02MS	SB-2MS	1	1844	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-02MSD	SB-2MSD	1	1848	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-02A	SB-2A	1	1852	As,Be,Cr,Cu,Na,Sb,Se,Tl,V
CCV05	CCV05	1	1856	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1900	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-03	SB-3	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-04	SB-4	1	1908	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
L1390-05	SB-5	1	1912	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1943	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1947	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: ATC Group Services LLC
Contract: ATCE02
Lab code: CHEM **Case no.:** L1390 **Sas no.:** L1390
Sdg no.: L1390
Instrument id number: **Method:**
Run number: LB107594
Start date: 02/06/2020 **End date:** 02/06/2020

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1515	HG
S0.2	S0.2	1	1517	HG
S2.5	S2.5	1	1519	HG
S5	S5	1	1522	HG
S7.5	S7.5	1	1524	HG
S10	S10	1	1532	HG
ICV04	ICV04	1	1535	HG
ICB04	ICB04	1	1537	HG
CCV80	CCV80	1	1540	HG
CCB80	CCB80	1	1542	HG
CRA	CRA	1	1544	HG
PB126616BL	PB126616BL	1	1551	HG
PB126616BS	PB126616BS	1	1553	HG
L1347-02DUP	COMP-01DUP	1	1558	HG
L1347-02MS	COMP-01MS	1	1603	HG
L1347-02MSD	COMP-01MSD	1	1605	HG
CCV81	CCV81	1	1609	HG
CCB81	CCB81	1	1612	HG
L1390-01	SB-1	1	1628	HG
L1390-02	SB-2	1	1630	HG
L1390-03	SB-3	1	1632	HG
L1390-04	SB-4	1	1634	HG
CCV82	CCV82	1	1637	HG
CCB82	CCB82	1	1639	HG
CCV83	CCV83	1	1709	HG
CCB83	CCB83	1	1714	HG
CCV84	CCV84	1	1732	HG
CCB84	CCB84	1	1734	HG
L1347-02L	COMP-01L	5	1739	HG
L1390-05	SB-5	5	1753	HG
CCV85	CCV85	1	1755	HG
CCB85	CCB85	1	1757	HG

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number **L1390**
COC Number **2024389**

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
Report to be sent to:		PROJECT NAME: CENTRE AVE	BILL TO: PO#		
COMPANY: ATC GS		PROJECT #: 1011601690	LOCATION: NEWARK NJ	ADDRESS:	
ADDRESS: 104 EAST 25th ST		PROJECT MANAGER: Denise Cosenza		CITY:	STATE: ZIP:
CITY: NY	STATE: NY ZIP: 10010	E-MAIL: denise.cosenza@atcgs.com		ATTENTION:	
ATTENTION: Denise Cosenza		PHONE:	FAX:	PHONE:	
PHONE: 212-333-8280	FAX:				

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX (RUSH)	DAYS*	☐ Level 1 (Results Only)	☐ Level 4 (QC + Full Raw Data)		
HARDCOPY (DATA PACKAGE): 5 DAY	DAYS*	☐ Level 2 (Results + QC)	☐ NJ Reduced ☐ US EPA CLP		
EDD:	DAYS*	☐ Level 3 (Results + QC + Raw Data)	☐ NYS ASP A ☐ NYS ASP B		
*TO BE APPROVED BY CHEMTECH		☐ EDD FORMAT	☐ Other		
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	<- Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	SB-1	S	X	X	24.20	755	5	X	X	X	X							
2.	SB-2	S	X	X	24.20	830	5	X	X	X	X							
3.	SB-3	S	X	X	24.20	900	5	X	X	X	X							
4.	SB-4	S	X	X	24.20	950	5	X	X	X	X							
5.	SB-5	S	X	X	24.20	1020	5	X	X	X	X							
6.	SB-5 WS	W		X	24.20	1035	3	X	X									HOLD 6
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1.	DATE/TIME 2/4/20 12:22	RECEIVED BY 	Conditions of bottles or collars at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 41°C
RELINQUISHED BY 2.	DATE/TIME 2/4/20 1:53	RECEIVED BY 	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☒ Picked Up

Shipment Complete
☒ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

From: Denise Cosenza <denise.cosenza@atcgs.com>
Sent: Wednesday, February 05, 2020 6:31 AM
To: s.chaim@chemtech.net
Subject: FW: Login Summary Details For Project 64 Centre Avenue, New Rochelle, NY-L1390.
Attachments: L1390-LoginSummaryReport.pdf

Steven,

For this project I had put one sample SB-5 on hold. Please move forward and analyze this sample as well.

Any questions let me know and please confirm receipt.

Denise

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: CHEMTECH-Login@chemtech.net
 Date: 2/4/20 3:06 PM (GMT-05:00)
 To: Denise Cosenza <denise.cosenza@atcgs.com>
 Cc: s.chaim@chemtech.net
 Subject: Login Summary Details For Project 64 Centre Avenue, New Rochelle, NY-L1390.

[http://18.220.204.210/echem08_45/ECHEM/Email/images/header.jpg]

To Denise Cosenza;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID : L1390
 Project ID : 64 Centre Avenue, New Rochelle, NY
 Download File : <https://client.chemtech.net> <https://urldefense.proofpoint.com/v2/url?u=https-3A_client.chemtech.net_&d=DwMGaQ&c=JvIwzveJy9nV9BBkQusi-NkJJe2HnKq6cMVst8YTjH8&r=rT4v4StP2009nI6UikcNKBsPTz0WTCrvjBXWpJn7y-4&m=9cg_HOCCuyR6opKq7RRwE0eBrj520tmosmGqLK3LuSo&s=rp05Gjlb4KCW2TNuUCcVeZtCvoFNVohu0OvNL7j8-ZI&e=>>
 Order Date : 2/4/2020 11:53:00 AM

CHEMTECH's Project Manager : Steven T Chaimowitz , s.chaim@chemtech.net , 9087283147 Ext :3147
 CHEMTECH's Sales Executive : Steven Kim , steven@chemtech.net , 908-728-3157 Ext :

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey <http://chemtech.net/ClientSurvey.aspx>
<https://urldefense.proofpoint.com/v2/url?u=http-3A_chemtech.net_ClientSurvey.aspx&d=DwMGaQ&c=JvlwzveJy9nV9BBkQusi-NkJJe2HnKq6cMVst8YTjH8&r=rT4v4StP2009nI6UikcNKBsPTz0WTCrvjBXWpJn7y-4&m=9cg_HOCCuyR6opKq7RRwE0ebrj520tmosmGqLK3LuSo&s=DgUJksdYdTGX9GM-9e-cK85w2ppaSNWK4O4Ymb3FmSk&e=>> .

Thank you,

CHEMTECH

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908 789 8900 Fax: 908 789 8922

284 Sheffield Street, Mountainside NJ 07092 :: Phone:

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

Order ID : L1390	ATCE02	Order Date : 2/4/2020 11:53:00 AM	Project Mgr :
Client Name : ATC Group Services LLC		Project Name : 64 Centre Avenue, New Rox	Report Type : Level 2
Client Contact : Denise Cosenza		Receive DateTime : 2/4/2020 1:53:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : ATC Group Services LLC		Purchase Order :	Hard Copy Date :
Invoice Contact : Denise Cosenza			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
L1390-01	SB-1	Solid	02/04/2020	07:55					
					VOCMS Group1		8260C	5 Bus. Days	
L1390-02	SB-2	Solid	02/04/2020	08:30					
					VOCMS Group1		8260C	5 Bus. Days	
L1390-03	SB-3	Solid	02/04/2020	09:00					
					VOCMS Group1		8260C	5 Bus. Days	
L1390-04	SB-4	Solid	02/04/2020	09:50					
					VOCMS Group1		8260C	5 Bus. Days	
L1390-05	SB-5	Solid	02/04/2020	10:20					
					VOCMS Group1		8260C	5 Bus. Days	
L1390-08	SB-5-WS	Water	02/04/2020	10:35					
					VOCMS Group1		8260-Low	5 Bus. Days	

Relinquished By : af
Date / Time : 2-4-20

Received By : Sami
Date / Time : 02/04/20 2:30 pm

Storage Area : VOA Refridgerator Room