FINAL SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

Speedy's Cleaners
(Site No. 828109)
Pittsford, New York

New York State Department of Environmental Conservation
January 2025

CDM Smith

Certification Page

I, Amy E. Picunas, certify that I am currently a New York State registered professional engineer and that this *Final Supplemental Remedial Investigation Report for Speedy's Cleaners Site NYSDEC Site No. 828109*, January 10, 2025 was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work and any DER-approved modifications.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Amy E. Picunas, of 3 Lear Jet Lane, Suite 100N, Latham, New York, am certifying as Owner's Designated Site Representative for the site.

NYS Professional Engineer # 089022

Date January 8, 2025

Signature Amy E Picunas

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Acronyms

atm-m^3/mol	atmospheres per cubic meter per mole
AWQS	ambient water quality standards
bgs	below ground surface
ca.	circa
cis-1,2-DCE	*cis*-1,2-dichloroethene
CDM Smith	Camp Dresser McKee and Smith
C-F	carbon–fluorine bond
CSM	conceptual site model
DPT	direct push technology
DUSR	data usability summary report
ELAP	Environmental Laboratory Approval Program
FER	Final Engineering Report
FS	Feasibility Study
ft/day	feet per day
HASP	Health and Safety Plan
HSW	HSW Engineering, Inc.
IDW	investigation derived waste
ITRC	Interstate Technology Regulatory Council
J	data qualifier (value is an estimate)
K_{oc}	organic carbon partition coefficient
MS/MSD	matrix spike/matrix spike duplicate
NAPL	non-aqueous phase liquid
NAVD88	North American Vertical Datum of 1988
No.	number
NY	New York
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
Passero	Passero Associates, P.C.
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PFAA	perfluoroalkyl acids
PFAS	per- and poly-fluorinated alkyl substances
PFBA	perfluorobutyric acid
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PID	photoionization detector
PSA	Preliminary Site Assessment
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
RG&E	Rochester Gas and Electric Company
RI	Remedial Investigation
RPD	relative percent difference

SCG	standards, criteria, and guidance
SCO	soil cleanup objective
Site	Speedy's Cleaners Site
SSDS	Sub-Slab Depressurization System
SVOC	semi-volatile organic compound
TCE	trichloroethene
TCL	Target Compound List
VI	vapor intrusion
VOC	volatile organic compound
U	data qualifier (value not detected)
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	underground storage tank
µg/kg	microgram per kilogram
µg/L	microgram per liter
µg/m^3	microgram per cubic meter

Section 1
Introduction

This final supplemental Remedial Investigation (RI) report for the Speedy's Cleaners Site Number (No.) 828109 (the Site), located in Pittsford, Monroe County, New York (NY), was prepared by Camp Dresser McKee and Smith (CDM Smith) for the New York State Department of Environmental Conservation (NYSDEC) under the Engineering Services for Investigation and Design, Standby Contract No. D009805 Work Assignment No. 2, Speedy's Cleaners RI/Feasibility Study (FS).

1.1 Purpose of the Report

The purpose of the final supplemental RI is to characterize the nature and extent of contamination in onsite soil to refine the conceptual site model (CSM). This supplemental RI report presents the data collected during the RI activities performed by CDM Smith from June 12, 2024 to July 21, 2024. These data will be used to evaluate alternatives to help meet project goals for the FS.

CDM Smith was contracted by NYSDEC to perform an FS to address the remaining groundwater and soil contamination at the Site. The goal of the FS is to identify the most efficient and cost-effective path forward to successfully remediate contamination in groundwater and soil to levels conforming to the appropriate standards. To support the FS, the following tasks were included as a part of the supplemental RI scope of work:

1. A subsurface soil investigation and a presentation of an updated CSM, in the form of a supplemental RI report.

2. Development, costing, and evaluation of five remedial alternatives that meet project goals, presented in a report.

The items discussed in the first task listed above are addressed in this supplemental RI report. The items in Task 2 are to be presented in a separate FS report to be submitted to NYSDEC following concurrence on this supplemental RI report.

The supplemental RI report was prepared in accordance with the following documents:

- NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (NYSDEC 2010)
- CDM Smith Schedule 1 – Scope of Work, May 2024
- CDM Smith Generic Quality Assurance Project Plan (QAPP), May 2020 and all associated standard operating procedures
- CDM Smith Final Supplemental Remedial Investigation Work Plan, February 2024
- CDM Smith Health and Safety Plan (HASP), June 2024

1.2 Site Description and Background

The Site consists of the 0.293-acre Speedy's Cleaners property and the 0.087-acre Rochester Gas and Electric Company (RG&E) right-of-way property and is located along a commercial corridor in the northwestern section of the Town of Pittsford in Monroe County, New York (**Figure 1-1**). A paved lot and a 4,900-square foot building that is currently occupied by a nail salon are located on the Speedy's Cleaners property (**Figure 1-2**). The property is serviced by public water and sewer. The Oak Hill Country Club borders the northeastern edge of the Site, and retail businesses are adjacent to the northwest and southeast. Monroe Avenue borders the southwestern edge of the Site.

Speedy's Cleaners operated as a dry cleaner at the Site between 1966 and circa (*ca*.) 1993, when on-site dry cleaning ceased. Until 2005, the building operated as a dry cleaning pick-up and drop-off location only. The volatile organic compound (VOC) tetrachloroethene (PCE) was used in dry cleaning operations at the Site for an undetermined amount of time. The Site sustained releases of PCE to the ground over time due to poor operating practices (NYSDEC DER 2012). Potential source areas of contamination include the area along the northeastern wall adjacent to the former vent pipes (see Figure A-1 in **Appendix A**) and the area by the northern corner of the building, which may have been used for cleaning dry cleaning filters (NYSDEC 2003).

1.2.1 Site Operational History

The original building on the Site was constructed *ca.* 1958 as a small animal hospital. Charles Speedy purchased the building in 1966 and expanded it from approximately 3,500 square feet to 4,900 square feet, starting a dry cleaning business in the western side of the building. The title of the property was transferred to Demosthenes Speedy on April 12, 1979, then to D & L Realty, Inc. (owned by Dan Speedy; year unknown), and finally to 3130 Monroe Avenue Associates, LLC on May 16, 1999 (NYSDEC 2003). Speedy's Cleaners operated as a dry cleaner in the western side of the building until 1993, when on-site dry cleaning ceased. From 1993 to 2005, the business acted as dry cleaning drop-off and pick-up only (NYSDEC DER 2012). Between 2005 and the present, various retail stores have occupied the building, including a liquor store, an optometrist, and nail salons.

Note:
1. The Speedy's Cleaners site boundary is approximate.

1 inch = 167 feet

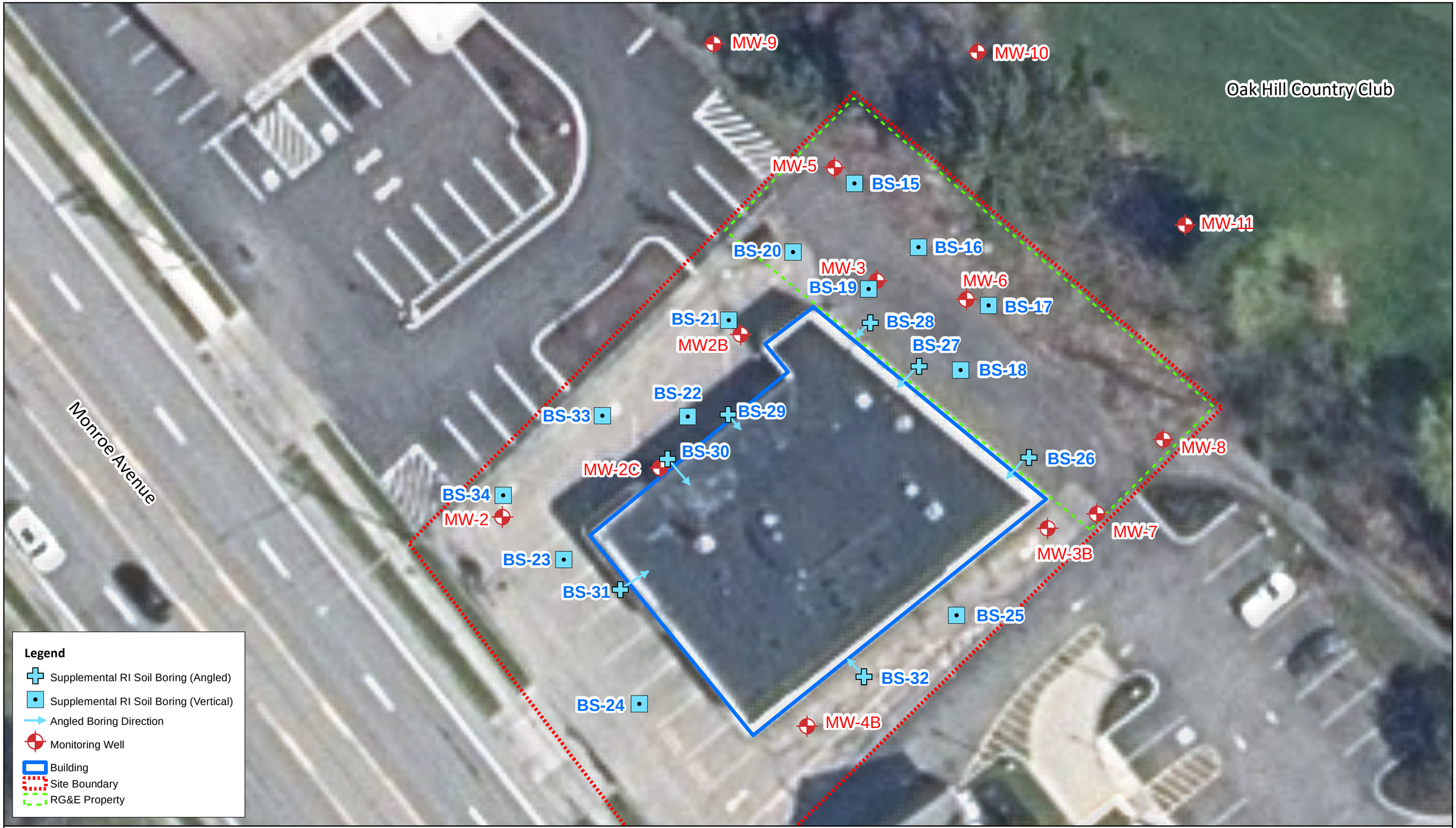
0 75 150 300 Feet

N

Figure 1-1
Site Location Plan
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

APAKIANLE C:\Users\apakianle\CDM Smith\NYSDEC Internal Sharepoint - D009805-2 Speedys Cleaners\GIS\MXD\Figure1-1 Site Location Plan.mxd 12/18/2024



Notes:
1. The Speedy's Cleaners site boundary and Rochester Gas and Electric (RG&E) property boundaries are approximate.
2. Angled soil boring arrows point in the direction of the borehole. The arrowhead indicates the approximate termination of the borehole.

1 inch = 21 feet

0 5 10 20 Feet

N

Figure 1-2
Site Plan
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

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1.2.2 Previous Investigations and Remedial Actions

In 1998, Day Environmental, Inc. performed an environmental assessment of the RG&E right-of-way property for a prospective buyer. Soil samples collected from 2 to 4 feet below ground surface (bgs) in four test borings were found to have elevated concentrations of PCE (10,500 micrograms per kilogram [µg/kg]), trichloroethene (TCE; 1,275 µg/kg), and petroleum-related VOCs. The highest concentrations were found adjacent to the Speedy's Cleaners vent pipes, which were located along the northeastern wall of the building and have since been removed (NYSDEC 2003).

In March 1999, the Site was brought to the attention of the NYSDEC when Passero Associates, P.C. (Passero) encountered petroleum-contaminated soils and found a 1,000-gallon underground storage tank (UST) used to store #2 fuel oil to be seeping free product (fuel oil) during removal. Contamination from the fuel oil spill and potential chlorinated solvent contamination were evaluated using 14 soil borings collected between March and May 1999. The highest chlorinated solvent concentrations (PCE: 748,000 µg/kg; TCE: 5,409 µg/kg) were detected in soil samples collected at boring BH-1, from 3 to 4 feet bgs near the northern corner of the building (see Figure A-1 in **Appendix A**). Additionally, a groundwater sample collected in May 1999 from soil boring (BH-9) located 10 feet northwest of the northern corner of the building (see Figure A-1 in **Appendix A**) contained elevated levels of vinyl chloride (1,217 micrograms per liter [µg/L]). To evaluate the extent of contamination beneath the Speedy's Cleaners building itself, three soil borings were completed through the floor of the former dry-cleaning area from 1.5 to 3 feet bgs. PCE was detected in all three borings at a maximum concentration of 81 µg/kg. In July 1999, six additional soil borings were completed on the western side of the building; no chlorinated solvents were detected in any of the soil or groundwater samples collected on the west side of the building (NYSDEC 2003).

Passero excavated soil in the vicinity of the former UST to remediate the petroleum-contaminated soils. In October and November 1999, four injection wells were installed, and *in-situ* bioremediation began of the remaining petroleum-contaminated soil. Groundwater samples collected for VOCs and semi-volatile organic compounds (SVOCs) in October 2001 contained concentrations greater than the NYSDEC ambient water quality standards (AWQS) and guidance values for only three compounds: *cis*-1,2-dichloroethene (*cis*-1,2-DCE; 7 µg/L), vinyl chloride (6 µg/L), and benzene (2 µg/L). Based on groundwater sample analytical results and post excavation soil sample results, the NYSDEC Spills department determined the Site had been remediated of petroleum contamination, and the petroleum spill file was closed on February 15, 2002 (NYSDEC 2003).

Between 2001 and 2002, Passero conducted groundwater, soil, surface water, and sediment sampling as part of the Preliminary Site Assessment (PSA) with the goal of providing adequate information to assess the likelihood of removal of the Site from the Registry of Inactive Hazardous Waste Sites in New York State. Groundwater and soil samples were concentrated in the northern portion of the Site, the area of the most significant potential releases of PCE to the ground. Elevated concentrations of PCE and its degradation products were discovered in samples adjacent to and north of the northern corner of the building, with maximum PCE detections in groundwater and soil of 5,900 µg/L and 111,000 µg/kg, respectively. Surface water and sediment samples were collected from the small pond on the Oak Hill Country Club property downgradient

to the Site and from small streams as either downgradient or background samples. VOCs were not detected in surface water or sediment (NYSDEC 2003).

On August 6, 2004, 3130 Monroe Avenue Associates, LLC, the owners of the Site, entered into a Brownfield Cleanup Program Agreement with NYSDEC. As part of the RI for the Brownfield Cleanup Program, soil samples were collected from the northwestern and southeastern sides of the building in July 2005. The highest PCE concentration was detected near the northern corner of the building (Passero 2012a). In September 2005, four months prior to Speedy's Cleaners lease expiration, groundwater sampling and vapor intrusion (VI) testing of the sub-slab, interior, and exterior of the building were completed. PCE was present in the sub-slab air at 83,000 micrograms per cubic meter (µg/m^3) and in interior ambient air at a maximum of 1,110 µg/m^3, indicating potential exposure to building occupants (Passero 2006). In 2006, a sub-slab depressurization system (SSDS) was installed. During renovations conducted for the new building occupant, a nail salon, trenches that were cut in the floor slab as part of a new plumbing system were also utilized by the mitigation contractor as a means to facilitate sub-slab vapor movement from below the building and allow for discharge outside. Additionally, vertical vacuum points were installed on the sides of the building. By May 2006, the SSDS was fully operational (Passero 2012b).

Confirmatory indoor air sampling conducted after the nail salon opened indicated elevated levels of PCE and TCE. Ventilation hoods used by the nail salon to ventilate acetone to the exterior of the building may have created negative pressure within the building, thus counteracting the SSDS and drawing PCE vapors into the interior. In an attempt to mitigate this issue, the SSDS air flow was increased, and in March 2008, additional vacuum points were installed to increase the SSDS efficiency. A higher power fan was also installed at this time to increase the vacuum pressure of the system. In March 2009, the fan was repaired, and a 3-inch diameter pipe was installed to increase air flow in the sub-slab. Various adjustments to valves on the system piping have been made when necessary to optimize system performance (Passero, 2012).

As part of the RI, groundwater and soil sampling were performed by NYSDEC's contractor, CDM Smith, from May 27, 2021 to August 18, 2021 and from March 13, 2023 to April 4, 2023. In 2021, CDM Smith performed an on-site investigation which included the following activities: a geophysical utility clearance, Geoprobe® soil borings, drilling and monitoring well installation, monitoring well development, soil sampling, groundwater sampling, professional well survey, fence disassembly and gate installation, and characterization/transportation/disposal of investigation derived waste (IDW).

Based on the results of the 2021 on-site investigation, PCE and its degradation products, TCE, *cis*-1,2-DCE, and vinyl chloride, remain in groundwater in the northern portion of the Site at levels above the NYSDEC AWQS for class GA groundwater. Additionally, concentrations of perfluoroalkyl substances (PFAS), perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA), exceeded their respective NYSDEC AWQS. Contaminants are traveling via advective transport with groundwater to the northeast. Groundwater impacted by the Site contamination ranges from the surface of the water table to approximately 19 feet bgs, where glacial till becomes too dense for groundwater to permeate.

Between 2002 and 2021, Site-related VOC concentrations have decreased significantly, likely due to degradation via biotic or abiotic processes and advective transport; this trend will presumably continue as there is no evidence of a continuing source of contamination. Due to a lack of temporally spaced data, it is not possible to determine the rate at which degradation occurs at the Site. Groundwater at the Site does not pose a risk to human health or the environment because exposure pathways are either incomplete or addressed via mitigation measures (i.e., SSDS). The SSDS continues to operate to mitigate migration of VOCs in subsurface soils to indoor air of the Speedy's Cleaners building.

Historically, the highest levels of soils contamination occurred within the unsaturated zone (i.e., vadose zone) between 2 to 4 feet bgs and in the areas adjacent to the former vent pipes and to the north of the northern corner of the Speedy's Cleaners building. VOC concentrations appeared to decrease with depth. Because samples were not collected within the vadose zone nor within the potential source areas during the 2021 investigation, the lateral and vertical extents of contaminated soils were unknown and additional data collection would be needed to delineate these extents.

In 2023, CDM Smith performed additional groundwater sampling as part of an off-site investigation to address data gaps identified during the 2021 on-site investigation. The off-site investigation was performed on the RG&E right-of-way and the Oak Hill Country Club property located north and northeast of the Site, respectively. The off-site investigation included the following activities: a geophysical utility clearance, Geoprobe® soil borings, groundwater screening, drilling and monitoring well installation, monitoring well development, groundwater sampling, professional well survey, fence disassembly and gate installation, and characterization/transportation/disposal of IDW.

Based on the results of the investigation, VOCs and PFAS were detected in the off-site groundwater screening and monitoring well locations. Concentrations of PCE, TCE, and *cis*-1,2-DCE exceeded the NYSDEC AWQS by one to two orders of magnitude in two groundwater samples collected from hydraulically downgradient locations approximately 40 and 175 feet north of the Site. VOC concentrations were substantially lower at the sampling location approximately 175 feet north of the Site when compared to concentrations on- and closer to the Site. The VOC contaminant plume can be inferred to be long and narrow, with a minimum length of 200 feet and a maximum width of 75 feet. The plume is aligned southwest-northeast in the direction of groundwater flow. PFOS and/or PFOA were detected in groundwater collected from the three off-site wells and eight groundwater screening locations sampled during 2023. PFOS and PFOA concentrations exceeded the NYSDEC AWQS by one to two orders of magnitude. PFAS exceedances along the northern corner of the site coincide with the site-related VOC exceedances.

1.3 Report Organization

Section 1 Introduction presents the purpose of this report, Site background and history, and operational and remedial history.

Section 2 Study Area Investigations provides a summary of the investigation procedures, any variations which may have influenced sampling procedures or analytical

results, and quality assurance (QA)/quality control (QC) methods pertinent to the supplemental RI field investigation.

Section 3 Physical Characteristics of the Study Area describes the physical conditions of the Site and surroundings, including a general description of hydrogeology, topography, and groundwater levels and flow direction.

Section 4 Nature and Extent of Contamination presents and evaluates the soils data collected during the supplemental RI field investigation, including a comparison of analytical results of the environmental samples to the recommended New York State standards and to historical data.

Section 5 Contaminant Fate and Transport presents contaminant migration pathways, and an updated conceptual model of the Site sources, and receptors.

Section 6 Findings, Data Gaps, Conclusions, and Recommendations presents the conclusions based upon the results of the supplemental RI, defines existing data gaps, and presents recommendations for potential future work.

Section 7 References

Section 2
Study Area Investigations

The supplemental RI was designed to further characterize the nature and extent of contamination in soil to address data gaps identified during the RI, refine the CSM, and to provide sufficient data to support the FS and evaluation of alternatives for the Site. The following subsections describe the supplemental RI field investigation conducted from June 12, 2024 to July 21, 2024. The field investigations, except where noted, were conducted in accordance with CDM Smith's Generic QAPP dated May 2020, previously provided to NYSDEC and approved for Contract Number D009805-2.

Data gaps were identified during the completion of the RI. The most recent soil samples analyzed at the Site were collected from the saturated zone during the 2021 field investigation. No soil samples were collected from the vadose zone. Historically, contamination was highest in samples collected closest to the ground surface (PCE concentrations of 748,000 micrograms per kilogram (µg/kg) from 3 to 4 feet bgs in 1999 and 111,000 µg/kg from 3 to 4 feet bgs in 2002), with contamination decreasing with depth (PCE concentrations of 111,000 µg/kg at 3 to 4 feet bgs and 8,500 µg/kg from 6 to 6.5 feet bgs at the same location). Because samples were not collected from the shallow soils and from multiple depths at a single location, the vertical extent of soil contamination at the Site at the completion of the RI activities in 2023 was unknown both surrounding the building and underneath the building. Therefore, further horizontal and vertical delineation of the VOCs in soils surrounding and underneath the building was warranted.

Only a small subset of samples was collected from the saturated soil and analyzed for PFAS in 2021. PFAS was not detected in soil, however PFOA and PFOS were both detected above the NYSDEC AWQS in on-site and off-site groundwater. Therefore, additional investigation in shallow unsaturated soils was necessary to determine if a PFAS source area exists. This supplemental RI includes both vertical and horizontal delineation of PFAS and VOCs in soils surrounding and beneath the on-site building.

The 2024 field investigation activities included the following activities:

- Geophysical survey using radio frequency, ground-penetrating radar, and electromagnetic equipment
- Advancement and sampling of 20 on-site soil borings via direct push technology (DPT)
- Community air monitoring
- Recording of lithology at all soil boring locations
- Survey of all soil borings

2.1 Geophysical Survey

A geophysical survey was conducted by CDM Smith's subcontractor, East Coast Geophysics, Inc. of Bensalem, Pennsylvania, on June 12, 2024 prior to onsite boring advancement. Radio frequency utility locating methodology, the ground-penetrating radar geophysical methodology, and the hand-held electromagnetic metal detection methodology were used during the survey. The purpose of the survey was to identify underground utilities, water lines, USTs, and/or any large anomalies such as conduits. During the survey, the ground surface was marked at the locations of the anomalies identified during the survey prior to final analysis and interpretation off-site.

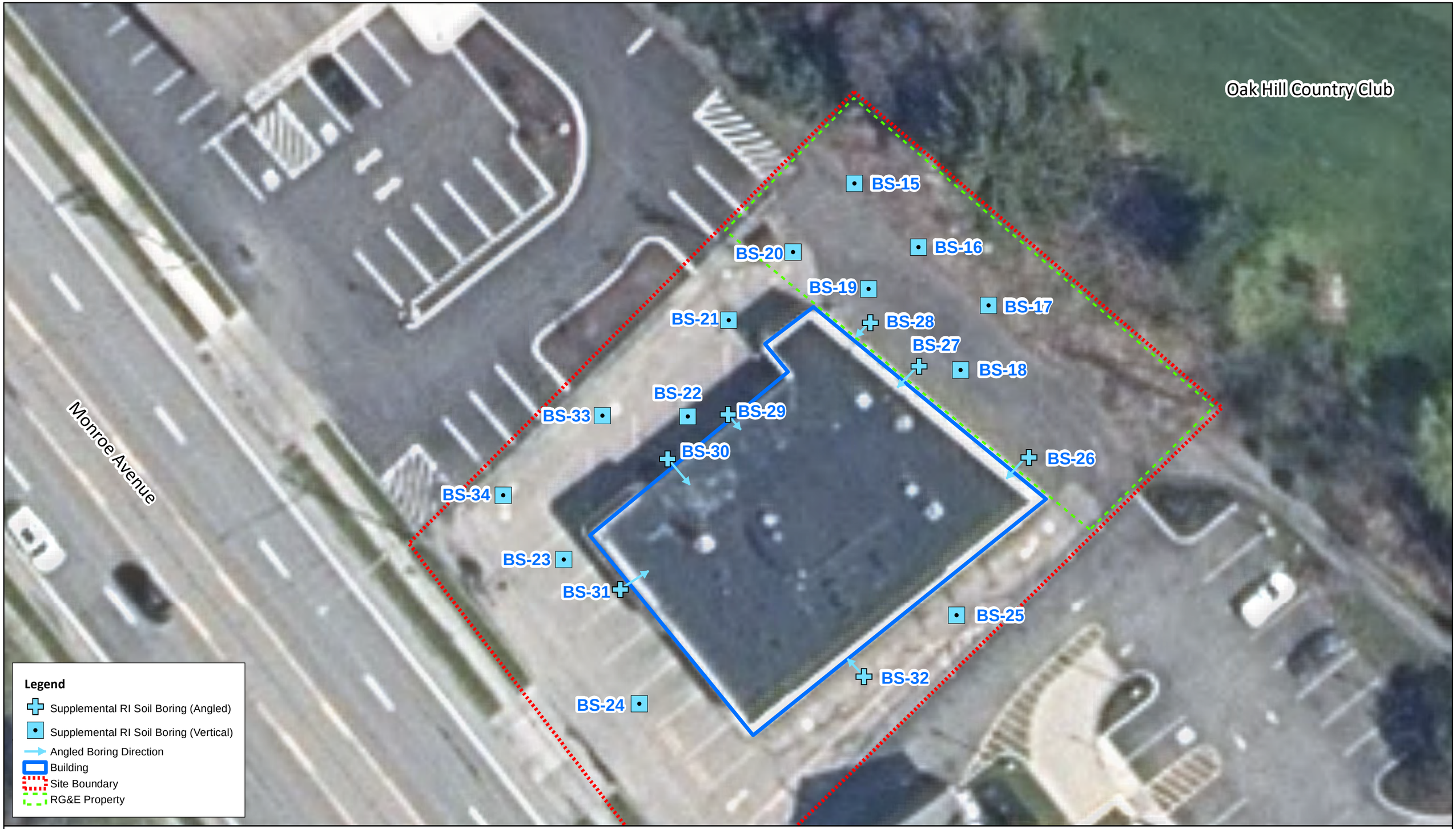
2.2 Boring Advancement, Soil Sampling, and Groundwater Screening

Soil borings were advanced using direct push technology by CDM Smith's subcontractor, Nothnagle Drilling Inc. of Scottsville, NY, to refusal via a Geoprobe® unit at 20 locations (BS-15 through BS-34) shown on **Figure 2-1**. Soil sample information for each boring is included in **Table 2-1**. Six borings (BS-15 through BS-20) were advanced behind the on-site building within the RG&E right-of-way, in the northern portion of the Site. This area historically had the highest concentrations of VOCs in the shallow soil. The six borings were placed in an array to better delineate the horizontal and vertical extent of residual soil contamination behind the building. Five soil borings (BS-21 through BS-25) were advanced vertically along the northern, western, and southern sides of the on-site building. These borings were intended to delineate soils surrounding the building adjacent to areas where contaminants of concerns were previously detected. Two optional borings (BS-33 and BS-34) were advanced northwest of the building after photoionization detector (PID) readings were detected at borings BS-21 and BS-22. These two borings were utilized as step out locations to further delineate residual contamination.

CDM Smith performed a site reconnaissance on January 19, 2024 to determine whether sub-slab soil borings could be advanced within the existing building to obtain soil samples beneath the building slab where historical soil samples had elevated VOCs. Based on the findings of the site reconnaissance, advancement of sub-slab soil borings was not feasible within the building because this work would have likely caused damage to the finished space that is occupied by the current tenant.

Seven angled soil borings (BS-26 through BS-32) were advanced from all four sides of the building to attempt to obtain soil samples beneath the building slab. Angled borings were advanced by a drilling subcontractor using DPT to the top of the glacial till or refusal. The DPT rig was set approximately 5 feet from each exterior wall and the drill was angled approximately 35 degrees off the vertical.

All borings were backfilled to the ground surface with grout. Asphalt patch was compacted to cover each hole that was installed in the paved parking areas. All soil cuttings generated by the drilling were containerized in steel drums and staged on-site.



Notes:
1. The Speedy's Cleaners site boundary and Rochester Gas and Electric (RG&E) property boundaries are approximate.
2. Angled soil boring arrows point in the direction of the borehole. The arrowhead indicates the approximate termination of the borehole.

1 inch = 21 feet

0 5 10 20 Feet

N

Figure 2-1
Sample Location Map
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

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Table 2-1
Sample Summary
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Location	Northing	Easting	Elevation (ft NAVD88)	Sample ID	Sample Date	Sample Interval (ft bgs)	Analysis		Notes
							TCL VOCs - EPA Method SW846 8260C	PFAS - EPA Method 1633	
2024 Soil Samples									
BS-15	1133837.82	1426398.75	440.1	828109-BS-15-1.5-2-061824	6/18/2024	1.5-2	X		
				828109-BS-15-7-8-061824	6/18/2024	7-8	X	X	
				828109-BS-15-10.5-11.5-061824	6/18/2024	10.5-11.5	X		
				828109-BS-15-16-17-061824	6/18/2024	16-17	X		
BS-16	1133822.49	1426414.20	439.9	828109-BS-16-1-2-061824	6/18/2024	1-2	X	X	
				828109-BS-16-7-8-061824	6/18/2024	7-8	X		
				828109-BS-16-11.5-12.5-061824	6/18/2024	11.5-12.5	X		
				828109-BS-16-16.5-17-061824	6/18/2024	16.5-17	X		
BS-17	1133808.51	1426431.05	439.7	828109-BS-17-5.5-6.5-061824	6/18/2024	5.5-6.5	X	X	
				828109-BS-17-11-11.5-061824	6/18/2024	11-11.5	X		
				828109-BS-17-14-15-061824	6/18/2024	14-15	X		
BS-18	1133792.96	1426424.31	439.5	828109-BS-18-1.5-3-061824	6/18/2024	1.5-3	X	X	
				828109-BS-901-1.5-3-061824	6/18/2024	1.5-3	X		Field Duplicate
				828109-BS-18-1.5-3-061824-MS	6/18/2024	1.5-3	X		MS
				828109-BS-18-1.5-3-061924-MSD	6/18/2024	1.5-3	X		MS/MSD
				828109-BS-18-5-6-061824	6/18/2024	5-6	X		
				828109-BS-18-8-8.5-061824	6/18/2024	8-8.5	X		
				828109-BS-18-12-12.5-061824	6/18/2024	12-12.5	X		
BS-19	1133812.50	1426402.21	440.0	828109-BS-19-1-2-061824	6/18/2024	1-2	X		
				828109-BS-19-4.5-5-061824	6/18/2024	4.5-5	X		
				828109-BS-19-10-11-061824	6/18/2024	10-11	X	X	
				828109-BS-19-16-16.5-061824	6/18/2024	16-16.5	X		
BS-20	1133821.27	1426383.99	439.6	828109-BS-20-0-0.5-061724	6/17/2024	0-0.5	X		
				828109-BS-20-2-3-061724	6/17/2024	2-3	X	X	
				828109-BS-20-6-6.5-061824	6/17/2024	6-6.5	X		
BS-21	1133804.97	1426368.47	439.8	828109-BS-21-2-3-061724	6/17/2024	2-3	X	X	
				828109-BS-21-6-6.5-061724	6/17/2024	6-6.5	X		
				828109-BS-21-8.5-9-061724	6/17/2024	8.5-9	X		
BS-22	1133781.812	1426358.638	440.3	828109-BS-22-1-2-061724	6/17/2024	1-2	X		
				828109-BS-900-1-2-061724	6/17/2024	1-2	X		Field Duplicate
				828109-BS-22-4-6-061724	6/17/2024	4-6	X	X	
				828109-BS-22-4-6-061724-MS	6/17/2024	4-6	X		MS
				828109-BS-22-4-6-061724-MSD	6/17/2024	4-6	X		MS/MSD
				828109-BS-22-8-9-061724	6/17/2024	8-9	X		
				828109-BS-22-13-14-061724	6/17/2024	13-14	X		
BS-23	1133747.384	1426328.786	440.2	828109-BS-23-0.5-1-061824	6/18/2024	0.5-1	X		
				828109-BS-23-4-5-061824	6/18/2024	4-5	X	X	
				828109-BS-23-9-10-061824	6/18/2024	9-10	X		
				828109-BS-23-13.5-14-061824	6/18/2024	13.5-14	X		

Table 2-1
Sample Summary
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Location	Northing	Easting	Elevation (ft NAVD88)	Sample ID	Sample Date	Sample Interval (ft bgs)	Analysis		Notes
							TCL VOCs - EPA Method SW846 8260C	PFAS - EPA Method 1633	
BS-24	1133712.782	1426346.979	440.3	828109-BS-24-3-4-061824	6/18/2024	3-4	X		
				828109-BS-24-5-6-061824	6/18/2024	5-6	X		
				828109-BS-24-8-9-061824	6/18/2024	8-9	X	X	
				828109-BS-24-12.5-13-061824	6/18/2024	12.5-13	X		
BS-25	1133733.99	1426423.33	440.5	828109-BS-25-3-4-061824	6/18/2024	3-4	X		
				828109-BS-25-6-7-061824	6/18/2024	6-7	X	X	
				828109-BS-25-10-11-061824	6/18/2024	10-11	X		
				828109-BS-25-14.5-15-061824	6/18/2024	14.5-15	X		
BS-26	1133771.973	1426440.766	439.5	828109-BS-26-1-2-062024	6/20/2024	1-2	X		
				828109-BS-26-4-5-062024	6/20/2024	4-5	X		
				828109-BS-26-8-9-062024	6/20/2024	8-9	X	X	
				828109-BS-26-12-13-062024	6/20/2024	12-13	X		
BS-27	1133793.85	1426414.30	439.8	828109-BS-27-3.5-4.5-061924	6/19/2024	3.5-4.5	X	X	
				828109-BS-27-6-7-061924	6/19/2024	6-7	X		
				828109-BS-27-9-10.5-061924	6/19/2024	9-10.5	X		
				828109-BS-27-902-9-10.5-061924	6/19/2024	9-10.5	X		Field Duplicate
				828109-BS-27-9-10.5-061924-MS	6/19/2024	9-10.5	X		MS
				828109-BS-27-9-10.5-061924-MSD	6/19/2024	9-10.5	X		MS/MSD
				828109-BS-27-12-12.5-061924	6/19/2024	12-12.5	X		
BS-28	1133804.32	1426402.62	440.0	828109-BS-28-1-2-061924	6/19/2024	1-2	X		
				828109-BS-28-5.5-7-061924	6/19/2024	5.5-7	X	X	
BS-29	1133782.265	1426368.321	440.3	828109-BS-29-1-2-062024	6/20/2024	1-2	X		
				828109-BS-29-4-5-062024	6/20/2024	4-5	X	X	
				828109-BS-905-4-5-062024	6/20/2024	4-5		X	
				828109-BS-29-4-5-062024-MS	6/20/2024	4-5		X	
				828109-BS-29-4-5-062024-MSD	6/20/2024	4-5		X	
				828109-BS-29-7-8-062024	6/20/2024	7-8	X		
BS-30	1133771.656	1426353.751	440.4	828109-BS-30-1-2-061924	6/19/2024	1-2	X		
				828109-BS-30-4-5-061924	6/19/2024	4-5	X		
				828109-BS-30-9-10-061924	6/19/2024	9-10	X	X	
				828109-BS-30-13-14-061924	6/19/2024	13-14	X		
BS-31	1133740.168	1426342.394	440.3	828109-BS-31-1-2-062024	6/20/2024	1-2	X	X	
				828109-BS-31-3-4-062024	6/20/2024	3-4	X		
				828109-BS-31-8-9-062024	6/20/2024	8-9	X		
				828109-BS-31-13-14-062024	6/20/2024	13-14	X		
				828109-BS-904-13-14-062024	6/20/2024	13-14	X		Field Duplicate
				828109-BS-31-13-14-062024-MS	6/20/2024	13-14	X		MS
				828109-BS-31-13-14-062024-MSD	6/20/2024	13-14	X		MS/MSD
BS-32	1133719.294	1426401.062	440.7	828109-BS-32-1-2-062024	6/20/2024	1-2	X		
				828109-BS-32-3-4-062024	6/20/2024	3-4	X	X	
				828109-BS-32-8-9-062024	6/20/2024	8-9	X		

Table 2-1
Sample Summary
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Location	Northing	Easting	Elevation (ft NAVD88)	Sample ID	Sample Date	Sample Interval (ft bgs)	Analysis		Notes
							TCL VOCs - EPA Method SW846 8260C	PFAS - EPA Method 1633	
BS-33	1133782.02	1426338.044	440.1	828109-BS-33-2.5-3-061924	6/19/2024	2.5-3	X		
				828109-BS-33-4-6-061924	6/19/2024	4-6	X		
				828109-BS-903-4-6-061924	6/19/2024	4-6	X		Field Duplicate
				828109-BS-33-4-6-061924-MS	6/19/2024	4-6	X		MS
				828109-BS-33-4-6-061924-MSD	6/19/2024	4-6	X		MS/MSD
				828109-BS-33-8-9-061924	6/19/2024	8-9	X	X	
				828109-BS-33-12.5-13-061924	6/19/2024	12.5-13	X		
				828109-BS-33-16-16.5-061924	6/19/2024	16-16.5	X		
BS-34	1133762.90	1426314.20	440.1	828109-BS-34-1-2-061924	6/19/2024	1-2	X		
				828109-BS-34-6-6.5-061924	6/19/2024	6-6.5	X		
				828109-BS-34-10-10.5-061924	6/19/2024	10-10.5	X		
				828109-BS-34-14-14.5-061924	6/19/2024	14-14.5	X	X	
2024 Aqueous Blank Samples									
TB-1	N/A	N/A	N/A	TRIPBLANK-061724	6/17/2024	--	X		Trip Blank
TB-2				TRIPBLANK-061824	6/18/2024	--	X		Trip Blank
TB-3				TRIPBLANK-061924	6/19/2024	--	X		Trip Blank
TB-4				TRIPBLANK-062024	6/20/2024	--	X		Trip Blank
EB-1				EB-01-061724	6/17/2024	--	X	X	Equipment Blank
EB-2				EB-02-061824	6/18/2024	--	X	X	Equipment Blank
EB-3				EB-03-061924	6/19/2024	--	X	X	Equipment Blank
EB-4				EB-04-062024	6/20/2024	--	X	X	Equipment Blank

Notes:
1. Vertical datum of elevations is based on North American Vertical Datum of 1988 (NAVD88).
2. Horizonal datum is based on the West Zone of the New York State Plane Coordinate System (North American Datum of 1983).

bgs - below ground surface
ft - feet
ID - identification
MS/MSD - matrix spike / matrix spike duplicate
N/A - not applicable
PFAS - per- and polyfluoroalkyl substances
TCL - target compound list
VOC - volatile organic compound

2.2.1 Lithologic Logging

Lithologic logging was performed at all soil borings to characterize subsurface lithology and stratigraphy and refine the CSM. Soil cores were collected via DPT methods. Soil collected was examined for visual evidence of contamination (e.g., staining) and screened for VOCs with a PID. Soils were characterized using the Unified Soil Classification System (USCS). Lithology, PID measurements, and physical characteristics were recorded onto boring logs at each location (**Appendix C**).

A DPT rig was used to advance the Geoprobe® Macrocore system to collect continuous soil cores to a proposed target depth of 20 feet bgs. This target depth was not achieved at any boring location. Due to layers of tightly compacted silt, sands, and gravel, refusal was encountered between 6.8 and 17.5 feet bgs at each boring in 2024. Using the DPT rig, soil cores were collected with a 2.25-inch diameter, 5-foot long, stainless steel macro-core sampler. A dedicated 5-foot long, 2-inch diameter macro-core sample liner was placed inside the stainless-steel macro-core barrel and used to collect each sample. The macro-core barrel was advanced in 5-foot intervals for soil collection and retracted to ground surface.

2.2.2 Community Air Monitoring

Real-time air monitoring of VOCs and particulate matter less than 10 microns in diameter (PM-10) was performed during each day of soil boring advancement. Two community air monitoring program (CAMP) stations (i.e., one upwind location and one downwind location) were set at locations along the Site perimeter based on the prevailing wind direction. VOCs were monitored at both stations using a RAE Systems MultiRAE multi-gas monitor with PID. Particulates were monitored at both stations using a TSI 8530 DustTrak II aerosol monitor. Based on the CAMP data, there were no VOC exceedances or instances where the downwind particulate level was 150 micrograms per cubic meter ($\mu g/m^3$) for a 15-minute period. Additionally, the field team did not observe dust migration during field activities. The dust monitors did not record particulate data collected from the upwind station on June 17, 2024 and the downwind station on June 18, 2024. As noted by the vendor of the monitoring equipment, the elevated outside air temperature on those dates may have caused equipment shut down. However, it is not likely that particulate exceedances occurred at those locations based on review of the particulate dataset and visual observations.

2.2.3 Soil Sampling

Soil samples were collected from up to four sample intervals at each of the on-site soil boring locations at a depth based on the highest PID result. Soil samples were dropped off at ALS Environmental laboratory in Rochester, NY for shipment to CDM Smith's subcontract laboratory, York Analytical Laboratories (part of ALS Limited), in Stratford, Connecticut. All soil samples were analyzed for Target Compound List (TCL) VOCs. One soil sample per boring was analyzed for per- and poly-fluorinated alkyl substances (PFAS). All solid and aqueous waste generated during sampling were containerized in steel drums and staged on-site.

2.3 Soil Boring Survey

The 20 on-site borings were surveyed by C.T. Male Associates, a New York-licensed surveyor, based in North Syracuse, New York on June 20, 2024. All surveyed soil borings are shown on

Figure 2-1. Ground surface elevations, as well as spatial coordinates, were collected during the survey. The horizontal datum used to measure the spatial coordinates was North American Datum 1983. The vertical datum used to measure elevations was North American Vertical Datum 1988 (NAVD88). A comprehensive list of surveyed coordinates and elevations are reported in **Table 2-1**.

2.4 Control of Investigation Derived Waste

IDW generated from field activities consisted of soil and decontamination fluid from DPT borings and sampling. Both soil and decontamination fluid were stored in 55-gallon open-top drums that were staged on-site, Drums soil and aqueous IDW generated during the 2023 field investigation activities will be removed off-site by Innovative Recycling Technologies of Lindenhurst, NY at a future date.

2.5 Decontamination Procedures

All non-dedicated equipment and tools used to collect samples for chemical analysis were decontaminated per CDM Smith Generic QAPP (May 2020) and all associated standard operating procedures. Decontamination fluids were containerized in drums staged in a secure location until they could be disposed of appropriately.

2.6 Field Documentation

Field notebooks were used to document all Site activities. A dedicated field notebook was maintained by the field technician overseeing the Site activities throughout each phase of work at all times. Additional field documentation including log notes and chains-of-custody are provided in **Appendix D**.

2.7 Quality Assurance/Quality Control

2.7.1 Laboratory Analysis and Validation

All samples were analyzed by York Analytical Laboratories, an approved laboratory through the New York State Department of Health Environmental Laboratory Approval Program (ELAP) (New York ELAP Identification Number: 10854). All soil samples were analyzed for TCL VOCs and PFAS.

Samples were analyzed by the following methods during the supplemental RI field investigation:

- VOCs by United States Environmental Protection Agency (USEPA) SW-846 Method 8260C (soils)
- VOCs by USEPA SW-846 Method 8260D (aqueous blanks)
- PFAS by USEPA Method 1633

The analyses for soil samples achieved the detection limits discussed in the CDM Smith Generic QAPP dated May 2020, except for groundwater from MW-5 which required dilution due to elevated concentrations of VOCs. As PCE, TCE, *cis*-1,2-DCE, and vinyl chloride were present within MW-5 groundwater at levels above the detection limits in 2021 samples, the dilution had no impact on data quality for Site-related contaminants. For 2023 samples, vinyl chloride was not

detected at MW-5, but this may be due to the increase in detection limit as a result of the required dilution.

A subset of VOC samples collected at BS-26, BS-29, BS-31, and BS-32 and PFAS samples collected at BS-26 through BS-34 arrived at the subcontract laboratory at a temperature outside the required temperature criterion. Therefore, the data for these particular samples may be biased low. These issues were taken into consideration during data validation and ultimately did not impact usability of these data.

In accordance with the NYSDEC-approved scope of work, data collected during this supplemental RI were validated by subcontract validators. Environmental Data Services, based in Palm Beach Gardens, Florida, validated all analytical data. Data usability summary reports (DUSRs) provided by the validator are included in **Appendix E**.

DUSRs were prepared in compliance with the USEPA SOP Number HW-33A, Revision 1: Low/Medium Volatile Data Validations (USEPA September 2016); and USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537 (USEPA November 2018).

2.7.2 Duplicate Samples

Quality Assurance/Quality Control (QA/QC) samples commonly include duplicate samples to evaluate variance of the sampling and analytical methods. **Table 2-1** presents each duplicate and its parent sample for the samples collected during the supplemental RI field event.

Field duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples were collected at a rate of 1 per 20 samples throughout the field program. Appropriate chain-of-custody procedures were implemented, and QA/QC samples were collected in conjunction with the environmental sampling as defined in the CDM Smith Generic QAPP (May 2020). NYSDEC Analytical Services Protocol Category B data deliverables were obtained for all analyses except waste characterization analyses.

Five duplicate soil samples were collected during the supplemental RI field event. The relative percent difference (RPD) values were calculated by Environmental Data Services (i.e., CDM Smith's subcontract data validator) for duplicate sample pairs to evaluate precision, or the reproducibility of a measurement. The RPDs could only be calculated for two compounds, PCE and PFOS, which were detected in both parent and duplicate samples collected at BS-18 and BS-29, respectively. These RPDs are presented in the associated DUSRs in **Appendix E**. Calculations were not performed for duplicate pairs with a detection of a compound in only one of the paired samples. Based on the RPD values, all data were acceptable for use in this supplemental RI.

2.7.3 Field and Trip Blanks

Field blanks are collected to evaluate the efficacy of equipment decontamination and general cleanliness of the field procedures, and trip blanks are collected to evaluate whether samples were contaminated by ambient conditions during transit. Field blanks were collected at a rate of one field blank per day. Trip blanks were collected at a rate of one trip blank per sample shipment during the sampling event.

Field blanks were collected by running the laboratory supplied analyte free water over the clean decontaminated sampling equipment (i.e., stainless steel bowls and trowels) during each day of sampling. A total of four field blanks were collected throughout the field program. Two VOCs (bromodichloromethane and chloroform) were detected in the field blanks. Detected concentrations of these compounds in samples less than ten times the highest associated blank concentration were negated and qualified "U" (i.e., not detected) PFAS compound perfluorobutyric acid (PFBA) was detected in three field blanks at low concentrations. PFBA was not detected in any other samples, and therefore had no impact on the sample results. No other compounds were detected in the field blanks.

A total of four trip blanks were analyzed throughout the field program. One VOC (acetone) was detected in all four trip blanks. Acetone is a common compound used at nail salons, which is the current business at the Site. Therefore, the presence of acetone in the trip blanks and other samples collected during the supplemental RI event may be due to its use at the Site. All other VOCs analyzed for trip blanks were below the reporting limit and had no impact on the sample results.

2.7.4 Equipment Calibration and Maintenance

Each piece of field equipment used for measuring, monitoring, or analytical purposes was calibrated and maintained periodically to assure accuracy within specified limits. Calibration and maintenance procedures, in addition to calibration frequency for most field equipment follow both manufacturers' recommendations and those stipulated in the reference analytical methods used. The calibration procedures for all field equipment used during the supplemental RI field event were performed in accordance with manufacturer's recommended methods. Equipment calibration and maintenance procedures were followed in accordance with the CDM Smith Generic QAPP (May 2020).

2.7.5 Sample Packaging, Shipping, and Custody

All samples were placed in shipping containers (coolers) by the field team and dropped off at the ALS Environmental laboratory in Rochester, NY for shipment to York Analytical laboratory in Connecticut. These containers were secured by the ALS Environmental laboratory prior to shipment to the York Analytical laboratory. Each sample submitted for analysis was properly documented to ensure timely, correct, and complete analysis for all parameters requested and to support the use of analytical data in potential enforcement actions. Sample custody procedures were followed in accordance with the CDM Smith Generic QAPP (May 2020).

Section 3

Physical Characteristics of the Study Area

This section describes physical characteristics of the study, including topography, geology, and hydrogeology, that may have an effect on transport of Site-related contaminants.

3.1 Topography and Drainage

The Site is located in the Irondequoit Creek Valley which runs north-south. The topography is generally flat at an elevation of 435 feet NAVD88. The elevation drops by approximately 10 feet towards the northern 30 feet of the Site. The surrounding areas slope from approximately 435 feet NAVD88 at the Site to 400 feet NAVD88 northeast of the Site. West of the Site, the land rises to 555 feet NAVD88 (NYSDEC 2003).

3.2 Regional Geology and Hydrogeology

The Site is located within the glaciated Appalachian basin. A history of glaciation, erosion, and the advancing and retreating of ice sheets spanning the Pleistocene Period is reflected in the present-day geology of Monroe County, Rochester, New York (Liebe & Grasso 1988).

3.2.1 Unconsolidated Sedimentary Deposits

Unconsolidated upper Pleistocene deposits unconformably overlie the bedrock in Pittsford, New York. The generalized surficial geology of Pittsford, New York in the vicinity of the Site is presented on **Figure 3-1**. Pittsford is characterized by deposits of lacustrine silts, sands, and clays (NYSDEC 2003) and glacial till. Primarily sands, clays, and gravel overlie the bedrock in the vicinity of the Site.

3.2.2 Bedrock

The Site is located near the contact of the Upper Silurian Vernon Shale and the Lockport group, which is composed of dolomite. The bedrock surface in this region is expected to be between 100 and 150 feet bgs. The generalized bedrock geology of Pittsford, New York in the vicinity of the Site is presented on **Figure 3-2**.

3.2.3 Hydrogeology

Regional groundwater flow is generally north towards Lake Ontario. Shallow groundwater may discharge into a small drainage basin/pond located approximately 100 feet north of the Site. According to the United States Geological Survey (USGS) national water resource tracking system, there are three private wells within one mile of the Site. The wells vary in depth from 48 to 100 feet bgs. During the PSA, Harding Law Associates contacted Environmental Data Resources, Inc., the source of the information, and the USGS, but no information on the current use of the wells was available. The water supply for the Town of Pittsford is Lake Ontario (NYSDEC 2003).

I-590

Monroe Avenue

Speedy's Cleaners Site

Legend

Site Boundary

Surficial Geology Material (Material description; Thickness in meters)

Lacustrine silt and clay (Generally laminated silt and clay; 0-50 meters)

Till (Variable texture (boulders to silt); 1-50 meters)

Note:
1. Finger Lakes surficial geology is provided by the New York State Museum.
   Website: http://www.nysm.nysed.gov/research-collections/geology/gis.
   Last accessed on September 30, 2021.

1 inch = 906 feet

0 500 1,000 2,000 *Feet*

N

Figure 3-1
Regional Surficial Geology
Speedy's Cleaners Site
Pittsford, New York

wertwa F:\Speedy's Cleaners\GIS\MXD\Figure3-1 Regional Surficial Geology.mxd 10/18/2021

Note:
1. Finger Lakes bedrock geology is provided by the New York State Museum.
   Website: http://www.nysm.nysed.gov/research-collections/geology/gis.
   Last accessed on September 30, 2021.

1 inch = 906 feet

0 500 1,000 2,000 *Feet*

N

Figure 3-2
Regional Bedrock Geology
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

wertwa F:\Speedy's Cleaners\GIS\MXD\Figure3-2 Regional Bedrock Geology.mxd 10/18/2021

3.3 Site Geology

The Site is underlain by up to 2 feet of fill material, while up to 0.5 feet of fill material exists to the northeast of the Site. Directly below the fill are lacustrine deposits and glacial till. The lithologic borings advanced to approximately 19 feet bgs as part of the RI confirm that these sediments below the fill are primarily silty clay with sands and gravel with little permeability. Boring refusals were assumed to be in dense glacial till. Lithologic boring logs from the supplemental RI field event are included in **Appendix C**. Additional lithologic boring logs from existing on-site and off-site monitoring wells are presented in the Final RI Report (CDM Smith 2023).

3.3.1 Fill

A layer of fill material up to 2 feet thick on-site and up to 0.5 feet thick off-site makes up the shallow subsurface of the Site and area northeast of the Site. Fill material is made up of sand, gravel, organic material, and miscellaneous fill material including asphalt.

3.3.2 Lacustrine Deposits

Lacustrine deposits, which extend from 1 to 2 feet bgs to at least 17.5 feet bgs on-site and from 0 to 5.5 feet bgs to 6.5 to 13.5 feet bgs off-site overlie glacial till. The lacustrine deposits consist of gray to brown, well graded, medium to coarse sand with light brown to blank silt on-site and tan to brown silt with some fine sand and angular gravel off-site. Clay units encountered consisted of brown to dark brown, slightly to moderately plastic clays. At the base of the deepest lithologic borings (19 feet bgs at MW-5 and 19.1 feet bgs at MW-9), 2 feet of densely packed till was encountered (CDM Smith 2023).

3.3.3 Glacial Till

A glacial till unit begins at approximately 10.5 to 17.5 feet bgs on-site and approximately 6.5 to 13 feet bgs off-site and is primarily made up of gray to brown, moderately plastic, densely packed clay with varying amounts of sand and gravel throughout. The DPT borings encountered refusal from the glacial till between 7 and 19 feet bgs during the on-site field activities and between 8 and 19 feet bgs during the off-site field activities.

3.4 Site Hydrogeology

Site hydrogeology was evaluated using knowledge of regional hydrogeology and data collected from two rounds of synoptic water level measurements, the first in August 2021 and a second in April 2023. The groundwater table is located approximately 4 to 12 feet bgs within the lacustrine deposits. The densely packed, low permeability nature of the glacial till limits groundwater flow through that layer. Groundwater elevations collected during the 2021 and 2023 field activities are presented in **Appendix B** in Table B-1 and B-2, respectively.

3.4.1 Groundwater Flow

Topography, utilities, and commercial use of the land all contribute to the flow direction to the north where groundwater ultimately discharges to Lake Ontario (NYSDEC 2003). The shallow potentiometric surfaces based on wells screened across the water table from the two most recent rounds of synoptic water level measurements (collected on August 18, 2021 and April 4, 2023) are presented in **Appendix B** on Figures B-1 and B-2**,** respectively. The potentiometric surface

shown on **Figure B-1** was contoured using the water levels collected from four wells installed in 2021 (MW-5 through MW-8), six existing monitoring wells, and a surface water pond. The potentiometric surface shown on **Figure B-2** was contoured using the water levels collected from three newly installed off-site wells (MW-9 through MW-11), four wells installed in 2021 (MW-5 through MW-8), and six existing monitoring wells. Water levels were collected at wells installed in 2021 and 2023 and at existing wells to provide sufficient coverage to contour the potentiometric surface.

During the 2021 field activities, CDM Smith and the surveyor attempted to locate MW-4, an existing well located hydraulically downgradient of the Site on the Oak Hill Country Club property. This flush mount well was not located due to heavy vegetation and potential burial. Therefore, a surface water elevation was surveyed at the pond located on the Oak Hills Country Club to obtain a water level elevation that was hydraulically downgradient of the Site for the 2021 round of synoptic water level measurements. Hydraulically downgradient water level elevations were obtained from the newly installed off-site wells for the 2023 round of synoptic water level measurements.

As shown in **Figure B-1**, groundwater elevations in the vicinity of the Site generally ranged from approximately 427 feet NAVD88 in the northern portion of the Site to approximately 433 feet NAVD88 in the southern portions of the Site in August 2021. In April 2023, groundwater elevations ranged from approximately 428 feet NAVD88 in the northeast of the Site to approximately 435 feet NAVD88 in the southern portions of the Site as shown on **Figure A-2**. Apparent groundwater flow directions based on contouring the data indicate that groundwater moves laterally from the MW-2 area of the Site, ultimately exiting from the northern portion of the Site and flowing northeast onto the Oak Hill Country Club property.

3.4.2 Hydraulic Conductivity

No Site-specific hydraulic conductivity testing has been performed at the Site. A typical range for a glacial till is 0.000000283 feet per day (ft/day) to 0.567 ft/day, with expected values in the lower portion of this range. A typical value for silty lacustrine deposits ranges from 0.000283 ft/day to 5.669 ft/day (Domenico & Schwartz 1990).

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Section 4
Nature and Extent of Contamination

This section describes and evaluates the nature and extent of Site-related soils contamination based on the analytical data collected during the 2024 supplemental RI field investigation in conjunction with historical site data. Section 4.1 describes the selection of Site-related contaminants and screening criteria, reports the results of the field investigation focusing on exceedances of Site-specific screening criteria in soils, and presents an interpretation of the data and an overall evaluation of Site-related soils contamination.

4.1 Impacts to Soil

4.1.1 Selection of Standards, Criteria, and Guidance

Relevant New York State standards, criteria, and guidance (SCGs) were reviewed for soil, and screening criteria for the Site were selected. The soil analytical results for VOCs were compared to the NYSDEC Unrestricted Use and Commercial Use soil cleanup objectives (SCOs) listed in 6 New York Codes, Rules and Regulations (NYCRR) Part 375 (Environmental Remediation Programs) Subpart 375-6 (NYSDEC 2006). The soil analytical results for PFAS were compared to the Unrestricted Use and Commercial Use SCOs listed as guidance values in the NYSDEC Sampling, Analysis, and Assessment of PFAS guidance document (NYSDEC 2023). These PFAS values will be added to 6 NYCRR Part 375-6 once a rural soil background study of PFAS concentrations has been completed.

Unrestricted Use SCOs for soil were used for comparison because they are equivalent to, or more stringent than the Protection of Groundwater SCOs. Although Protection of Groundwater SCOs are not used for comparison in this supplemental RI, they should be considered during remedial design because PCE is present in groundwater at concentrations above NYSDEC AWQS.

4.1.2 Site-Related Contaminants

Site-related contaminants were selected by evaluating historical information on contaminant sources, exceedances of SCOs, the frequency and magnitude of the exceedances, and background concentrations. Due to the history of Site use, the contaminants focused on during this investigation were PCE and its degradation products, TCE, *cis*-1,2-DCE, and vinyl chloride. Additionally, PFAS were analyzed due to their characterization as emerging contaminants with a focus on PFOS and PFOA, the only PFAS with NYSDEC SCOs at the time. Although all other detected contaminants were also subject to the media-specific screening process, they are not discussed in detail because they are not Site-related contaminants.

CDM Smith reviewed the analytical data collected from soil boring locations completed during a 1998 environmental assessment of the RG&E property, a 1999 extent of contamination investigation, the 2002 PSA, and in support of the 2005 Final Engineering Report (FER); analyzed the historic spatial distribution of contamination and detection frequencies/levels for the Site; and compared those results to data collected in 2024 in support of this supplemental RI. While

VOCs were analyzed in the PSA dataset, PFAS were not; therefore, comparisons between historical and current datasets cannot be made for these emerging contaminants.

4.1.2.1 Historical Soils Data

In a 1998 environmental assessment of the RG&E property by Day Environmental, Inc., a soil sample (TB-2) was collected from 2 to 4 feet bgs from the area adjacent to the building's vent pipes, located near the roof line in the middle of the northeastern wall (see Figure A-1 in **Appendix A**). PCE and TCE concentrations at this location were 10,500 µg/kg and 1,275 µg/kg, respectively, which exceeded the current NYSDEC Unrestricted Use SCOs of 1,300 µg/kg for PCE and 470 µg/kg for TCE. These vent pipes have since been removed (NYSDEC 2003).

In 1999, a soil sample (BH-1) was collected from 3 to 4 feet bgs in the source area of contamination at the northern corner of the building (see Figure A-1 in **Appendix A**). PCE and TCE concentrations were 748,000 µg/kg and 5,409 µg/kg, respectively (NYSDEC 2003). PCE exceeded the current NYSDEC Commercial Use SCO of 150,000 µg/kg and Unrestricted Use SCO of 1,300 µg/kg, and TCE exceeded the current Unrestricted Use SCO of 470 µg/kg.

During the PSA conducted in 2002, PCE and *cis*-1,2-DCE exceeded the project SCOs (1,400 µg/kg for PCE and 300 µg/kg for *cis*-1,2-DCE based on Technical Guidance Memorandum 94-406, NYSDEC, 1994) in 4 of 11 soil boring locations, which were co-located with monitoring wells (see Figure A-2 in **Appendix A**; NYSDEC 2003). When compared to current NYSDEC Commercial Use criteria, no exceedances of Site-related compounds occurred at any soil boring. Site-related compound detection frequencies were as follows:

- PCE – detections at 6 of 10 locations
- TCE – detections at 2 of 10 locations
- *cis*-1,2-DCE – detections at 3 of 10 locations
- Vinyl chloride – detections at 2 of 10 locations

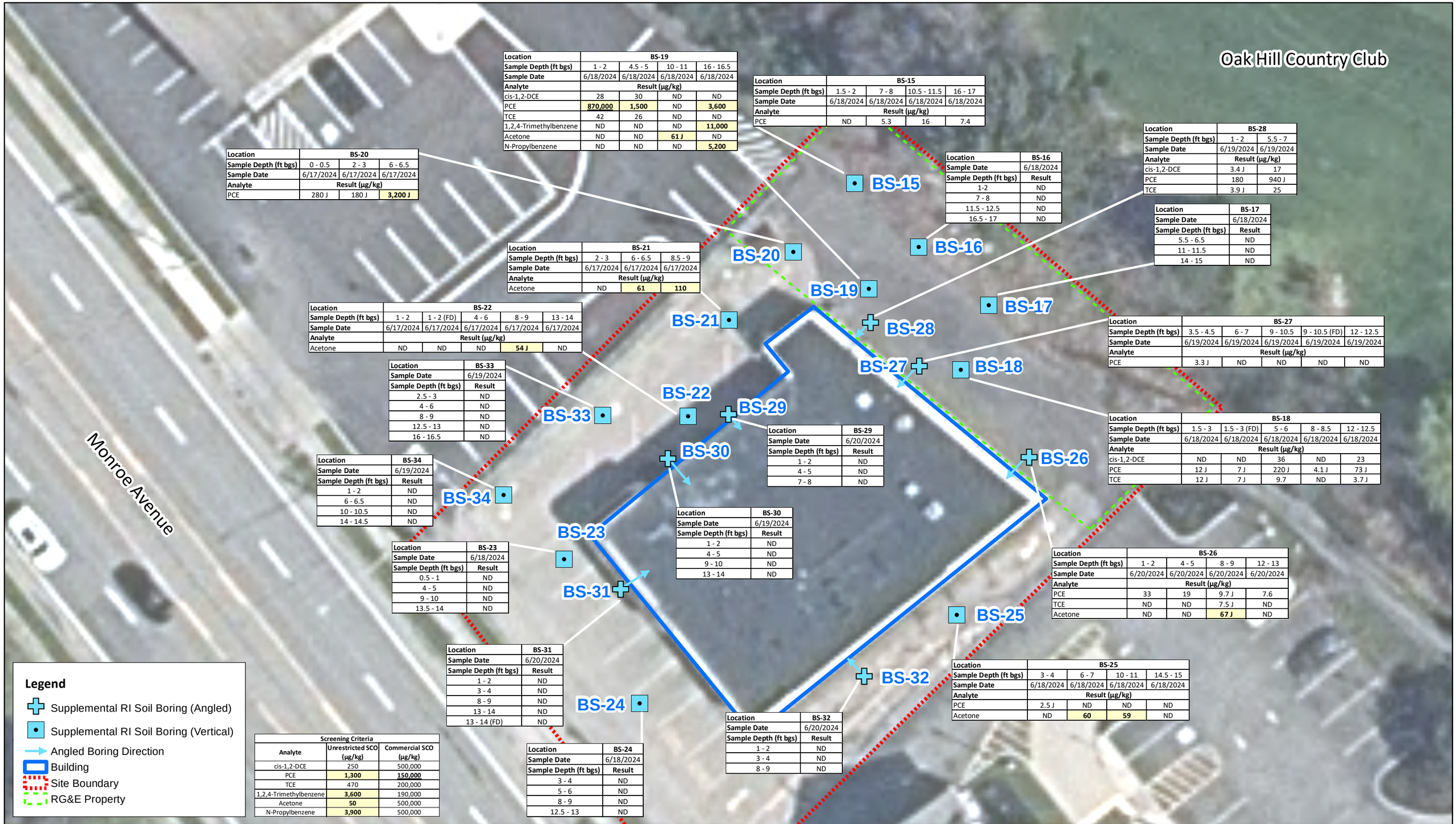
All detections of Site-related compounds occurred at soil boring locations in the northern portion of the Site. PCE (111,000 µg/kg) and *cis*-1,2-DCE (4,200 µg/kg) concentrations were highest from 3 to 4 feet bgs at BS-9, the source area of contamination located at the northern corner of the building. The PCE concentration decreased significantly in the 6 to 6.5 feet bgs interval (8,500 µg/kg) at this location while *cis*-1,2-DCE was not detected. The next highest PCE concentration occurred at BS-4 (22,000 µg/kg at 10 to 10.5 feet bgs), located approximately 25 to 30 feet north of BS-9, and was nearly an order of magnitude lower than that at BS-9. Soil samples to the east, west, and northeast of BS-4 and BS-9 had PCE concentrations (690 µg/kg to 4,200 µg/kg) that were one order of magnitude lower than the concentration at BS-4. PCE (1,300 µg/kg) and TCE (180 µg/kg) were detected at BS-6 from 7 to 8 feet bgs, the only off-site soil boring, located to the northeast and topographically downgradient of the Site on the Oak Hill Country Club property. Vinyl chloride was detected at one location (BS-8) at a concentration of 130 µg/kg in the 11 to 12 feet bgs interval, along with PCE (4,200 µg/kg) and TCE (3,100 µg/kg) (NYSDEC 2003).

During soil sampling conducted in 2005 in support of the Brownfield Cleanup Program RI and FER, samples were collected at boreholes for wells MW-1B (BH-1), MW-2B (BH-2), MW-3B (BH-

3), and MW-4B (BH-4), and samples were analyzed for VOCs, SVOCs, metals, petroleum products, polychlorinated biphenyls (PCBs), and pesticides (see Figure A-3 and Tables A-1to A-5 in **Appendix A**). No Site-related VOCs exceeded the NYSDEC Unrestricted Use or Commercial Use SCO. The highest PCE (670 D µg/kg), TCE (3 J µg/kg), and *cis*-1,2-DCE (3 J µg/kg) concentrations were observed at the MW-2B (BH-2) borehole (3 to 6 feet bgs). This sample was collected closest to the source area of contamination located at the northern corner of the Speedy's Cleaners building but was on the opposite side of the north corner of the building approximately 35 feet southwest of the identified source area. PCE concentrations were lower at MW-3B (2 to 6 feet bgs) and MW-4B (8 to 10 feet bgs) boreholes, with concentrations of 5 µg/kg and 4 µg/kg, respectively. Site-related compounds were not detected at the MW-1B borehole (6 to 8 feet bgs), the area most likely affected by the 1998 soil excavation activities. Vinyl chloride was not analyzed in these samples. No SVOCs, metals, petroleum products, PCBs, or pesticides were observed at concentrations above applicable NYSDEC Unrestricted Use and Commercial Use SCOs (Passero 2012).

4.1.2.2 Supplemental RI Soils Data

CDM Smith collected soil samples from 20 on-site borings during the June 2023 supplemental RI field event. Thirteen boreholes were installed vertically to a depth of up to 17 feet bgs, and seven boreholes were installed at an angled depth of up to 14 feet bgs around the sides of the building. All samples were analyzed for VOCs and PFAS. Two to five samples were collected from varying depth intervals at each boring; samples were collected within the vadose zone and above the glacial till at each boring; additional sample intervals were selected based on PID measurements from each soil core. Soil analytical results for Site-related VOCs and PFAS are presented on **Figures 4-1** and **4-2**, respectively, and in **Table 4-1**.



Location	BS-19			
Sample Depth (ft bgs)	1 - 2	4.5 - 5	10 - 11	16 - 16.5
Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	Result (µg/kg)			
cis-1,2-DCE	28	30	ND	ND
PCE	**870,000**	**1,500**	ND	**3,600**
TCE	42	26	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	**11,000**
Acetone	ND	ND	**61 J**	ND
N-Propylbenzene	ND	ND	ND	**5,200**

Location	BS-15			
Sample Depth (ft bgs)	1.5 - 2	7 - 8	10.5 - 11.5	16 - 17
Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	Result (µg/kg)			
PCE	ND	5.3	16	7.4

Location	BS-20		
Sample Depth (ft bgs)	0 - 0.5	2 - 3	6 - 6.5
Sample Date	6/17/2024	6/17/2024	6/17/2024
Analyte	Result (µg/kg)		
PCE	280 J	180 J	**3,200 J**

Location	BS-16
Sample Date	6/18/2024
Sample Depth (ft bgs)	Result
1-2	ND
7 - 8	ND
11.5 - 12.5	ND
16.5 - 17	ND

Location	BS-28	
Sample Depth (ft bgs)	1 - 2	5.5 - 7
Sample Date	6/19/2024	6/19/2024
Analyte	Result (µg/kg)	
cis-1,2-DCE	3.4 J	17
PCE	180	940 J
TCE	3.9 J	25

Location	BS-17
Sample Date	6/18/2024
Sample Depth (ft bgs)	Result
5.5 - 6.5	ND
11 - 11.5	ND
14 - 15	ND

Location	BS-21		
Sample Depth (ft bgs)	2 - 3	6 - 6.5	8.5 - 9
Sample Date	6/17/2024	6/17/2024	6/17/2024
Analyte	Result (µg/kg)		
Acetone	ND	**61**	**110**

Location	BS-22				
Sample Depth (ft bgs)	1 - 2	1 - 2 (FD)	4 - 6	8 - 9	13 - 14
Sample Date	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Analyte	Result (µg/kg)				
Acetone	ND	ND	ND	**54 J**	ND

Location	BS-27				
Sample Depth (ft bgs)	3.5 - 4.5	6 - 7	9 - 10.5	9 - 10.5 (FD)	12 - 12.5
Sample Date	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024
Analyte	Result (µg/kg)				
PCE	3.3 J	ND	ND	ND	ND

Location	BS-33
Sample Date	6/19/2024
Sample Depth (ft bgs)	Result
2.5 - 3	ND
4 - 6	ND
8 - 9	ND
12.5 - 13	ND
16 - 16.5	ND

Location	BS-29
Sample Date	6/20/2024
Sample Depth (ft bgs)	Result
1 - 2	ND
4 - 5	ND
7 - 8	ND

Location	BS-18				
Sample Depth (ft bgs)	1.5 - 3	1.5 - 3 (FD)	5 - 6	8 - 8.5	12 - 12.5
Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	Result (µg/kg)				
cis-1,2-DCE	ND	ND	36	ND	23
PCE	12 J	7 J	220 J	4.1 J	73 J
TCE	12 J	7 J	9.7	ND	3.7 J

Location	BS-34
Sample Date	6/19/2024
Sample Depth (ft bgs)	Result
1 - 2	ND
6 - 6.5	ND
10 - 10.5	ND
14 - 14.5	ND

Location	BS-30
Sample Date	6/19/2024
Sample Depth (ft bgs)	Result
1 - 2	ND
4 - 5	ND
9 - 10	ND
13 - 14	ND

Location	BS-26			
Sample Depth (ft bgs)	1 - 2	4 - 5	8 - 9	12 - 13
Sample Date	6/20/2024	6/20/2024	6/20/2024	6/20/2024
Analyte	Result (µg/kg)			
PCE	33	19	9.7 J	7.6
TCE	ND	ND	7.5 J	ND
Acetone	ND	ND	**67 J**	ND

Location	BS-23
Sample Date	6/18/2024
Sample Depth (ft bgs)	Result
0.5 - 1	ND
4 - 5	ND
9 - 10	ND
13.5 - 14	ND

Location	BS-31
Sample Date	6/20/2024
Sample Depth (ft bgs)	Result
1 - 2	ND
3 - 4	ND
8 - 9	ND
13 - 14	ND
13 - 14 (FD)	ND

Location	BS-25			
Sample Depth (ft bgs)	3 - 4	6 - 7	10 - 11	14.5 - 15
Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	Result (µg/kg)			
PCE	2.5 J	ND	ND	ND
Acetone	ND	**60**	**59**	ND

Location	BS-24
Sample Date	6/18/2024
Sample Depth (ft bgs)	Result
3 - 4	ND
5 - 6	ND
8 - 9	ND
12.5 - 13	ND

Location	BS-32
Sample Date	6/20/2024
Sample Depth (ft bgs)	Result
1 - 2	ND
3 - 4	ND
8 - 9	ND

Screening Criteria		
Analyte	Unrestricted SCO (µg/kg)	Commercial SCO (µg/kg)
cis-1,2-DCE	250	500,000
PCE	**1,300**	**150,000**
TCE	470	200,000
1,2,4-Trimethylbenzene	**3,600**	190,000
Acetone	**50**	500,000
N-Propylbenzene	**3,900**	500,000

Notes:
1. Soil Screening Criteria are from New York State Department of Environmental Conservation Soil Cleanup Objectives, December 2006
2. Bolded values with yellow highlighted cells indicate concentrations exceeded the Unrestriced Soil Cleanup Objective (SCO). Bolded and underlined values indicate concentrations exceeded the Commercial SCO.
3. J - The analyte was positively identified; the associated result is the approximate concentration of the analyte in the sample.
4. The Speedy's Cleaners site boundary and Rochester Gas and Electric (RG&E) property boundaries are approximate.
5. Angled soil boring arrows point in the direction of the borehole. The arrowhead indicates the approximate termination of the borehole.

Acronyms:
cis-1,2-DCE - cis-1,2-dichloroethene
FD - field duplicate
ft bgs - feet below ground surface
ND - non-detect
PCE - tetrachloroethene
TCE - trichloroethene
VOC - volatile organic compound
µg/kg - microgram per kilogram

1 inch = 21 feet

0 5 10 20 Feet

N

Figure 4-1
Site-Related VOC Detections and Exceedances in Soil
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

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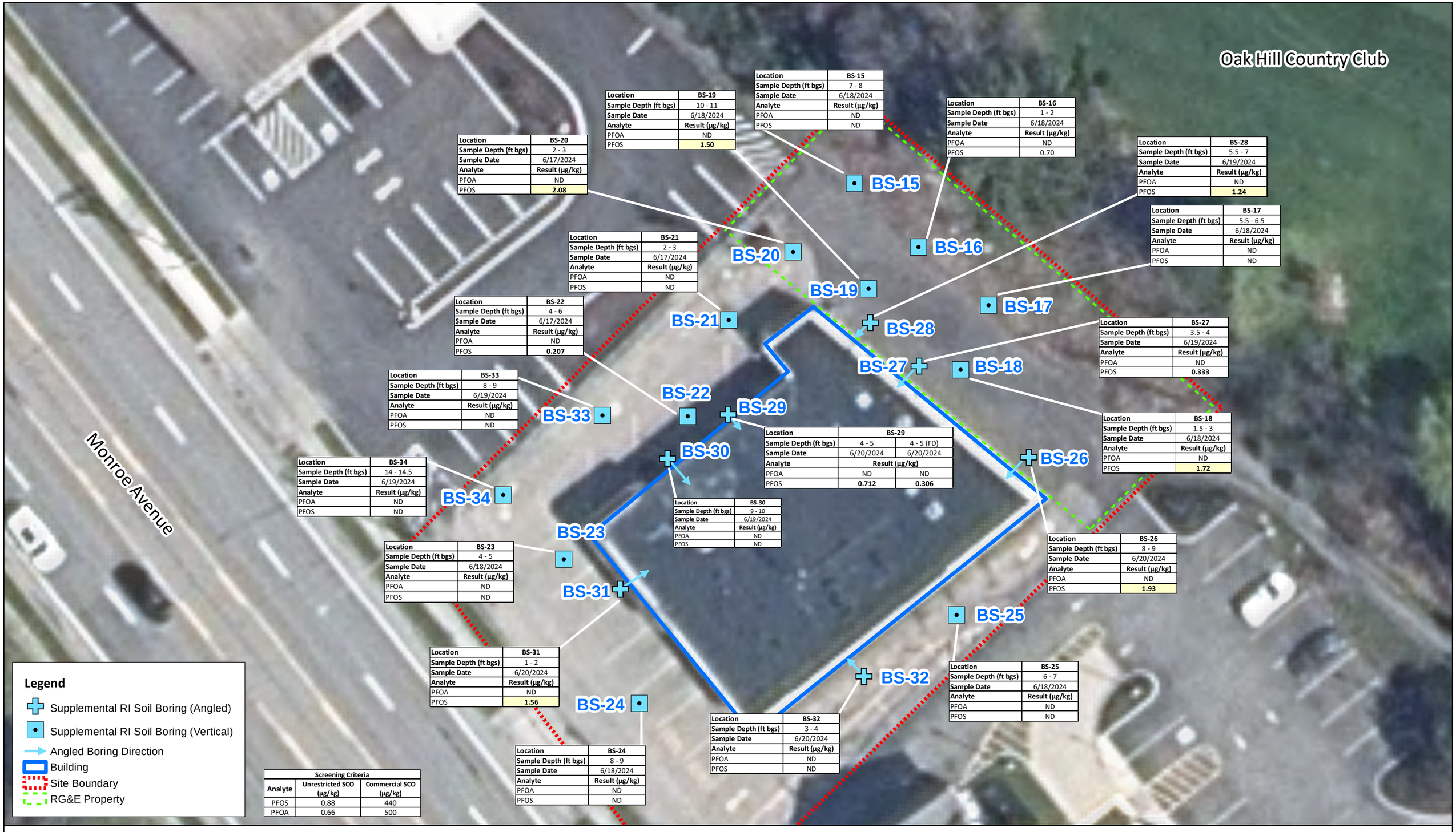

Location	BS-15
Sample Depth (ft bgs)	7 - 8
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-19
Sample Depth (ft bgs)	10 - 11
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**1.50**

Location	BS-16
Sample Depth (ft bgs)	1 - 2
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	0.70

Location	BS-20
Sample Depth (ft bgs)	2 - 3
Sample Date	6/17/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**2.08**

Location	BS-28
Sample Depth (ft bgs)	5.5 - 7
Sample Date	6/19/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**1.24**

Location	BS-17
Sample Depth (ft bgs)	5.5 - 6.5
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-21
Sample Depth (ft bgs)	2 - 3
Sample Date	6/17/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-22
Sample Depth (ft bgs)	4 - 6
Sample Date	6/17/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**0.207**

Location	BS-27
Sample Depth (ft bgs)	3.5 - 4
Sample Date	6/19/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**0.333**

Location	BS-33
Sample Depth (ft bgs)	8 - 9
Sample Date	6/19/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-29	
Sample Depth (ft bgs)	4 - 5	4 - 5 (FD)
Sample Date	6/20/2024	6/20/2024
Analyte	Result (µg/kg)	
PFOA	ND	ND
PFOS	**0.712**	**0.306**

Location	BS-18
Sample Depth (ft bgs)	1.5 - 3
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**1.72**

Location	BS-34
Sample Depth (ft bgs)	14 - 14.5
Sample Date	6/19/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-30
Sample Depth (ft bgs)	9 - 10
Sample Date	6/19/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-26
Sample Depth (ft bgs)	8 - 9
Sample Date	6/20/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**1.93**

Location	BS-23
Sample Depth (ft bgs)	4 - 5
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-31
Sample Depth (ft bgs)	1 - 2
Sample Date	6/20/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	**1.56**

Location	BS-25
Sample Depth (ft bgs)	6 - 7
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-32
Sample Depth (ft bgs)	3 - 4
Sample Date	6/20/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Location	BS-24
Sample Depth (ft bgs)	8 - 9
Sample Date	6/18/2024
Analyte	Result (µg/kg)
PFOA	ND
PFOS	ND

Screening Criteria		
Analyte	Unrestricted SCO (µg/kg)	Commercial SCO (µg/kg)
PFOS	0.88	440
PFOA	0.66	500

Notes:
1. Soil Screening Criteria are guidance values in the NYSDEC Sampling, Analysis, and Assessment of PFAS guidance document (April 2023).
2. Bolded values with yellow highlighted cells indicate concentrations exceeded the Unrestricted Soil Cleanup Objective (SCO).
3. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) are the only per- and polyfluoroalkyl substances (PFAS) with SCOs and are therefore the only PFAS displayed on this map.
4. The Speedy's Cleaners site boundary and Rochester Gas and Electric (RG&E) property boundaries are approximate.
5. Angled soil boring arrows point in the direction of the borehole. The arrowhead indicates the approximate termination of the borehole.

Acronyms:
FD - field duplicate
ft bgs - feet below ground surface
ND - non-detect
µg/kg - microgram per kilogram

1 inch = 21 feet

0 5 10 20 Feet

N

Figure 4-2
PFAS Detections and Exceedances in Soil
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

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Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-15	BS-15	BS-15	BS-15	BS-16	BS-16	BS-16	BS-16	BS-17
			Sample Name	828109-BS-15-1.5-2-061824	828109-BS-15-10.5-11.5-061824	828109-BS-15-16-17-061824	828109-BS-15-7-8-061824	828109-BS-16-11.5-12.5-061824	828109-BS-16-1-2-061824	828109-BS-16-16.5-17-061824	828109-BS-16-7-8-061824	828109-BS-17-11-11.5-061824
			Start Depth	1.5	10.5	16	7	11.5	1	16.5	7	11
			End Depth	2	11.5	17	8	12.5	2	17	8	11.5
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	N
			Parent Sample									
			Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**									
VOCs												
1,1,1,2-Tetrachloroethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1,1-Trichloroethane	680	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1,2-Trichloroethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1-Dichloroethane	270	240000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1-Dichloroethene	330	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,1-Dichloropropene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2,3-Trichlorobenzene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2,3-Trichloropropane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2,4-Trichlorobenzene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2-Dichlorobenzene	1100	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2-Dichloroethane	20	30000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,2-Dichloropropane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,3-Dichlorobenzene	2400	280000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,3-Dichloropropane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,4-Dichlorobenzene	1800	130000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	82 U	92 U	100 U	98 U	88 U	100 U	77 U	100 U	94 U
2,2-Dichloropropane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
2-Chlorotoluene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
2-Hexanone	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
4-Chlorotoluene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Acetone	50	500000	µg/kg	8.2 U	9.2 U	10 U	9.8 U	8.8 U	10 U	7.7 U	34 J	9.4 U
Acrolein	---	---	µg/kg	8.2 U	9.2 U	10 U	9.8 U	8.8 U	10 U	7.7 U	10 U	9.4 U
Acrylonitrile	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Benzene	60	44000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Bromobenzene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Bromochloromethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Bromodichloromethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Bromoform	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Bromomethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Carbon Disulfide	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Carbon Tetrachloride	760	22000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Chlorobenzene	1100	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Chloroethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Chloroform	370	350000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Chloromethane	---	---	µg/kg	4.1 UJ	4.6 UJ	5.1 UJ	4.9 UJ	4.4 UJ	5.1 UJ	3.8 UJ	5.1 UJ	4.7 UJ
Cis-1,2-Dichloroethylene	250	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Cis-1,3-Dichloropropene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Cyclohexane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	5.3	5.1 U	17
Cymene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	2.3 J	32 J	4.7 U
Dibromochloromethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Dibromomethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Dichlorodifluoromethane	---	---	µg/kg	4.1 UJ	4.6 UJ	5.1 UJ	4.9 UJ	4.4 UJ	5.1 UJ	3.8 UJ	5.1 UJ	4.7 UJ
Ethylbenzene	1000	390000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Hexachlorobutadiene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Isopropylbenzene (Cumene)	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	2.6 J	28 J	21
m,p-Xylene	---	---	µg/kg	8.2 U	9.2 U	10 U	9.8 U	8.8 U	10 U	7.7 U	10 U	9.4 U
Methyl Acetate	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	8.5 J	4.5 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Methylcyclohexane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	23	2.8 J	61
Methylene Chloride	50	500000	µg/kg	8.2 U	9.2 U	10 U	9.8 U	8.8 U	10 U	7.7 U	10 U	9.4 U
N-Butylbenzene	12000	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	12	170 J	29
N-Propylbenzene	3900	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8	69 J	39
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-15	BS-15	BS-15	BS-15	BS-16	BS-16	BS-16	BS-16	BS-17
			Sample Name	828109-BS-15-1.5-2-061824	828109-BS-15-10.5-11.5-061824	828109-BS-15-16-17-061824	828109-BS-15-7-8-061824	828109-BS-16-11.5-12.5-061824	828109-BS-16-1-2-061824	828109-BS-16-16.5-17-061824	828109-BS-16-7-8-061824	828109-BS-17-11-11.5-061824
			Start Depth	1.5	10.5	16	7	11.5	1	16.5	7	11
			End Depth	2	11.5	17	8	12.5	2	17	8	11.5
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	N
			Parent Sample									
			Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**									
Sec-Butylbenzene	11000	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	18	130 J	36
Styrene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
T-Butylbenzene	5900	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Tert-Butyl Alcohol	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	4.1 U	16	7.4	5.3	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Toluene	700	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Trans-1,3-Dichloropropene	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Trichloroethylene (TCE)	470	200000	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Trichlorofluoromethane	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Vinyl Acetate	---	---	µg/kg	4.1 U	4.6 U	5.1 U	4.9 U	4.4 U	5.1 U	3.8 U	5.1 U	4.7 U
Vinyl Chloride	20	13000	µg/kg	4.1 UJ	4.6 UJ	5.1 UJ	4.9 UJ	4.4 UJ	5.1 UJ	3.8 UJ	5.1 UJ	4.7 UJ
Xylenes	260	500000	µg/kg	12 U	14 U	15 U	15 U	13 U	15 U	11 U	15 U	14 U
PFAS												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	---	---	---	0.955 U	---	0.784 U	---	---	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	---	---	---	0.947 U	---	0.778 U	---	---	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	---	---	2.53 UJ	---	2.08 UJ	---	---	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	---	---	2.53 U	---	2.08 UJ	---	---	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	---	---	---	6.31 U	---	5.19 U	---	---	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	---	---	---	6.31 U	---	5.19 U	---	---	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	---	---	---	1.26 U	---	1.04 U	---	---	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	---	---	---	0.955 U	---	0.784 U	---	---	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	---	---	---	0.944 U	---	0.776 U	---	---	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	---	---	---	1.01 U	---	0.83 U	---	---	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	---	---	---	0.505 U	---	0.415 U	---	---	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	---	---	---	0.449 U	---	0.369 U	---	---	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	---	---	---	0.505 U	---	0.415 U	---	---	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	---	---	---	0.505 U	---	0.415 U	---	---	---
Perfluorobutanesulfonic acid	---	---	µg/kg	---	---	---	0.223 U	---	0.184 U	---	---	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	---	---	---	1.01 R	---	0.83 R	---	---	---
Perfluorodecane sulfonic acid	---	---	µg/kg	---	---	---	0.244 U	---	0.2 U	---	---	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	---	---	---	0.245 UJ	---	0.201 UJ	---	---	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluorohexanesulfonic acid	---	---	µg/kg	---	---	---	0.231 U	---	0.19 U	---	---	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	---	---	---	0.0733 J	---	0.0568 J	---	---	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	---	---	---	0.242 U	---	0.199 U	---	---	---
Perfluorononanoic acid	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	---	---	---	0.235 U	---	0.70	---	---	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	---	---	---	0.237 U	---	0.195 U	---	---	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	---	---	---	0.505 U	---	0.415 U	---	---	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	---	---	---	0.253 U	---	0.208 U	---	---	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	---	---	---	0.97 U	---	0.797 U	---	---	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	---	---	---	0.96 U	---	0.789 U	---	---	---
General Chemistry				---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	85.8	83.1	79.6	80.1	91.3	95.4	91.5	77.1	81

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-17	BS-17	BS-18	BS-18	BS-18	BS-18	BS-18	BS-19	BS-19
			Sample Name	828109-BS-17-14-15-061824	828109-BS-17-5.5-6.5-061824	828109-BS-18-1.5-3-061824	828109-BS-18-12-12.5-061824	828109-BS-18-5-6-061824	828109-BS-18-8-8.5-061824	828109-BS-901-1.5-3-061824	828109-BS-19-10-11-061824	828109-BS-19-1-2-061824
			Start Depth	14	5.5	1.5	12	5	8	1.5	10	1
			End Depth	15	6.5	3	12.5	6	8.5	3	11	2
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	FD	N	N
			Parent Sample							828109-BS-18-1.5-3-061824		
			Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**									
VOCs												
1,1,1,2-Tetrachloroethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1,1-Trichloroethane	680	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1,2-Trichloroethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1-Dichloroethane	270	240000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1-Dichloroethene	330	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,1-Dichloropropene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2,3-Trichlorobenzene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2,3-Trichloropropane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2,4-Trichlorobenzene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2-Dichlorobenzene	1100	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2-Dichloroethane	20	30000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,2-Dichloropropane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,3-Dichlorobenzene	2400	280000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,3-Dichloropropane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,4-Dichlorobenzene	1800	130000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	100 U	98 U	86 U	87 U	150 U	92 U	97 U	130 U	140 U
2,2-Dichloropropane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
2-Chlorotoluene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
2-Hexanone	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
4-Chlorotoluene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Acetone	50	500000	µg/kg	36	9.8 U	8.6 U	8.7 U	15 U	9.2 U	9.7 U	61 J	14 U
Acrolein	---	---	µg/kg	10 U	9.8 U	8.6 U	8.7 U	15 U	9.2 U	9.7 U	13 U	14 U
Acrylonitrile	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Benzene	60	44000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Bromobenzene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Bromochloromethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Bromodichloromethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Bromoform	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Bromomethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Carbon Disulfide	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Carbon Tetrachloride	760	22000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Chlorobenzene	1100	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Chloroethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Chloroform	370	350000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Chloromethane	---	---	µg/kg	5 UJ	4.9 UJ	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 UJ	7.1 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	5 U	4.9 U	4.3 U	23	36	4.6 U	4.9 U	6.4 U	28
Cis-1,3-Dichloropropene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Cyclohexane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	16 J	4.9 U	10 J	7.1 U
Cymene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	56 J	7.1 U
Dibromochloromethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Dibromomethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Dichlorodifluoromethane	---	---	µg/kg	5 UJ	4.9 UJ	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 UJ	7.1 U
Ethylbenzene	1000	390000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Hexachlorobutadiene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Isopropylbenzene (Cumene)	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	21 J	4.9 U	86 J	7.1 U
m,p-Xylene	---	---	µg/kg	10 U	9.8 U	8.6 U	8.7 U	15 U	9.2 U	9.7 U	13 U	14 U
Methyl Acetate	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	28 J	7.1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Methylcyclohexane	---	---	µg/kg	5 U	4.9 U	4.3 UJ	4.3 U	7.5 U	75 J	4.9 U	92 J	7.1 U
Methylene Chloride	50	500000	µg/kg	10 U	9.8 U	8.6 U	8.7 U	15 U	9.2 U	9.7 U	13 U	14 U
N-Butylbenzene	12000	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	81 J	4.9 U		7.1 U
N-Propylbenzene	3900	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	33 J	4.9 U	180 J	7.1 U
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-17	BS-17	BS-18	BS-18	BS-18	BS-18	BS-18	BS-19	BS-19
			Sample Name	828109-BS-17-14-15-061824	828109-BS-17-5.5-6.5-061824	828109-BS-18-1.5-3-061824	828109-BS-18-12-12.5-061824	828109-BS-18-5-6-061824	828109-BS-18-8-8.5-061824	828109-BS-901-1.5-3-061824	828109-BS-19-10-11-061824	828109-BS-19-1-2-061824
			Start Depth	14	5.5	1.5	12	5	8	1.5	10	1
			End Depth	15	6.5	3	12.5	6	8.5	3	11	2
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	FD	N	N
			Parent Sample							828109-BS-18-1.5-3-061824		
			Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**									
Sec-Butylbenzene	11000	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	76 J	4.9 U	250 J	7.1 U
Styrene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
T-Butylbenzene	5900	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Tert-Butyl Alcohol	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	5 U	4.9 U	12 J	73 J	220 J	4.1 J	7 J	6.4 U	**870000**
Toluene	700	500000	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	5 U	4.9 U	4.3 U	3.7 J	4.8 J	4.6 U	4.9 U	6.4 U	7.1 U
Trans-1,3-Dichloropropene	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Trichloroethylene (TCE)	470	200000	µg/kg	5 U	4.9 U	4.3 U	3.7 J	9.7	4.6 U	4.9 U	6.4 U	42
Trichlorofluoromethane	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Vinyl Acetate	---	---	µg/kg	5 U	4.9 U	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 U	7.1 U
Vinyl Chloride	20	13000	µg/kg	5 UJ	4.9 UJ	4.3 U	4.3 U	7.5 U	4.6 U	4.9 U	6.4 UJ	7.1 U
Xylenes	260	500000	µg/kg	15 U	15 U	13 U	13 U	22 U	14 U	15 U	19 U	21 U
PFAS												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	---	0.968 U	0.842 U	---	---	---	---	0.97 U	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	---	0.961 U	0.835 U	---	---	---	---	0.962 U	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	2.56 UJ	2.23 UJ	---	---	---	---	2.57 U	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	2.56 UJ	2.23 U	---	---	---	---	2.57 U	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	---	6.4 UJ	5.57 U	---	---	---	---	6.42 U	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	---	6.4 U	5.57 U	---	---	---	---	6.42 U	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	---	1.28 UJ	1.11 U	---	---	---	---	1.28 U	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	---	0.968 U	0.842 U	---	---	---	---	0.97 U	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	---	0.958 U	0.833 U	---	---	---	---	0.96 U	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	---	1.02 U	0.891 U	---	---	---	---	1.03 U	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	---	0.512 U	0.445 U	---	---	---	---	0.513 U	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	---	0.456 U	0.396 U	---	---	---	---	0.457 U	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	---	0.512 U	0.445 U	---	---	---	---	0.513 U	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	---	0.512 U	0.445 U	---	---	---	---	0.513 U	---
Perfluorobutanesulfonic acid	---	---	µg/kg	---	0.227 U	0.197 U	---	---	---	---	0.227 U	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	---	1.02 R	0.891 U	---	---	---	---	1.03 R	---
Perfluorodecane sulfonic acid	---	---	µg/kg	---	0.247 U	0.215 U	---	---	---	---	0.248 U	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	---	0.248 UJ	0.216 UJ	---	---	---	---	0.249 UJ	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluorohexanesulfonic acid	---	---	µg/kg	---	0.234 U	0.204 U	---	---	---	---	0.235 U	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	---	0.246 U	0.214 U	---	---	---	---	0.246 U	---
Perfluorononanoic acid	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	---	0.238 U	1.72	---	---	---	---	1.50	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	---	0.241 U	0.209 U	---	---	---	---	0.241 U	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	---	0.512 U	0.445 U	---	---	---	---	0.513 U	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	---	0.256 U	0.223 U	---	---	---	---	0.257 U	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	---	0.984 U	0.855 U	---	---	---	---	0.985 U	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	---	0.973 U	0.846 U	---	---	---	---	0.975 U	---
General Chemistry				---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	79.6	77.4	86.4	88.6	80.9	91.2	84.2	70.5	73.9

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-19	BS-19	BS-20	BS-20	BS-20	BS-21	BS-21	BS-21	BS-22	BS-22
			Sample Name	828109-BS-19-16-16.5-061824	828109-BS-19-4.5-5-061824	828109-BS-20-0-0.5-061724	828109-BS-20-2-3-061724	828109-BS-20-6-6.5-061724	828109-BS-21-2-3-061724	828109-BS-21-6-6.5-061724	828109-BS-21-8.5-9-061724	828109-BS-22-1-2-061724	828109-BS-22-13-14-061724
			Start Depth	16	4.5	0	2	6	2	6	8.5	1	13
			End Depth	16.5	5	0.5	3	6.5	3	6.5	9	2	14
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	N	N
			Parent Sample										
			Sample Date	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
VOCs													
1,1,1,2-Tetrachloroethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1,1-Trichloroethane	680	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1,2-Trichloroethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1-Dichloroethane	270	240000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1-Dichloroethene	330	500000	µg/kg	530 UJ	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,1-Dichloropropene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2,3-Trichlorobenzene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2,3-Trichloropropane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2,4-Trichlorobenzene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	11000	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2-Dichlorobenzene	1100	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2-Dichloroethane	20	30000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,2-Dichloropropane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,3-Dichlorobenzene	2400	280000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,3-Dichloropropane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,4-Dichlorobenzene	1800	130000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	11000 U	98 U	100 U	92 U	93 U	88 U	110 U	120 U	82 U	90 U
2,2-Dichloropropane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
2-Chlorotoluene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
2-Hexanone	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
4-Chlorotoluene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Acetone	50	500000	µg/kg	1100 U	9.8 U	10 U	9.2 U	9.3 U	8.8 U	61	110	8.2 U	9 U
Acrolein	---	---	µg/kg	1100 UJ	9.8 U	10 U	9.2 U	9.3 U	8.8 U	11 U	12 U	8.2 U	9 U
Acrylonitrile	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Benzene	60	44000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Bromobenzene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Bromochloromethane	---	---	µg/kg	530 UJ	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Bromodichloromethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Bromoform	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Bromomethane	---	---	µg/kg	530 U	4.9 U	5.2 UJ	4.6 UJ	4.6 UJ	4.4 UJ	5.5 UJ	6 UJ	4.1 UJ	4.5 UJ
Carbon Disulfide	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	2.8 J
Carbon Tetrachloride	760	22000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Chlorobenzene	1100	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Chloroethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Chloroform	370	350000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Chloromethane	---	---	µg/kg	530 UJ	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	530 U	30	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Cis-1,3-Dichloropropene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Cyclohexane	---	---	µg/kg	710	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Cymene	---	---	µg/kg	2600	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Dibromochloromethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Dibromomethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Dichlorodifluoromethane	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Ethylbenzene	1000	390000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Hexachlorobutadiene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Isopropylbenzene (Cumene)	---	---	µg/kg	2200	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	110 J
m,p-Xylene	---	---	µg/kg	1100 U	9.8 U	10 U	9.2 U	9.3 U	8.8 U	11 U	12 U	8.2 U	9 U
Methyl Acetate	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	14	28	2.7 J	6.3 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Methylcyclohexane	---	---	µg/kg	4000	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Methylene Chloride	50	500000	µg/kg	1100 U	9.8 U	10 U	9.2 U	9.3 U	8.8 U	11 U	12 U	8.2 U	9 U
N-Butylbenzene	12000	500000	µg/kg	6700	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
N-Propylbenzene	3900	500000	µg/kg	5200	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	180 J
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-19	BS-19	BS-20	BS-20	BS-20	BS-21	BS-21	BS-21	BS-22	BS-22
			Sample Name	828109-BS-19-16-16.5-061824	828109-BS-19-4.5-5-061824	828109-BS-20-0-0.5-061724	828109-BS-20-2-3-061724	828109-BS-20-6-6.5-061724	828109-BS-21-2-3-061724	828109-BS-21-6-6.5-061724	828109-BS-21-8.5-9-061724	828109-BS-22-1-2-061724	828109-BS-22-13-14-061724
			Start Depth	16	4.5	0	2	6	2	6	8.5	1	13
			End Depth	16.5	5	0.5	3	6.5	3	6.5	9	2	14
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	N	N
			Parent Sample										
			Sample Date	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
Sec-Butylbenzene	11000	500000	µg/kg	5800	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	220 J
Styrene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
T-Butylbenzene	5900	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Tert-Butyl Alcohol	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	3600	1500	280 J	180 J	3200 J	4.4 UJ	5.5 UJ	6 UJ	4.1 UJ	4.5 UJ
Toluene	700	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Trans-1,3-Dichloropropene	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Trichloroethylene (TCE)	470	200000	µg/kg	530 U	26	5.2 U	4.6 U	4.5 J	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Trichlorofluoromethane	---	---	µg/kg	530 U	4.9 U	5.2 UJ	4.6 UJ	4.6 UJ	4.4 UJ	5.5 UJ	6 UJ	4.1 UJ	4.5 UJ
Vinyl Acetate	---	---	µg/kg	530 U	4.9 U	5.2 U	4.6 U	4.6 U	4.4 U	5.5 U	6 U	4.1 U	4.5 U
Vinyl Chloride	20	13000	µg/kg	530 U	4.9 U	5.2 UJ	4.6 UJ	4.6 UJ	4.4 UJ	5.5 UJ	6 UJ	4.1 UJ	4.5 UJ
Xylenes	260	500000	µg/kg	1600 U	15 U	16 U	14 U	14 U	13 U	17 U	18 U	12 U	14 U
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	---	---	---	0.747 U	---	0.86 U	---	---	---	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	---	---	---	0.741 U	---	0.853 U	---	---	---	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	---	---	1.98 UJ	---	2.27 UJ	---	---	---	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	---	---	1.98 U	---	2.27 UJ	---	---	---	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	---	---	---	4.94 U	---	5.69 U	---	---	---	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	---	---	---	4.94 UJ	---	5.69 UJ	---	---	---	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	---	---	---	0.988 UJ	---	1.14 UJ	---	---	---	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	---	---	---	0.747 U	---	0.86 U	---	---	---	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	---	---	---	0.739 U	---	0.851 U	---	---	---	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	---	---	---	0.791 U	---	0.91 U	---	---	---	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	---	---	---	0.395 U	---	0.455 U	---	---	---	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	---	---	---	0.352 U	---	0.405 U	---	---	---	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	---	---	---	0.395 U	---	0.455 U	---	---	---	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	---	---	---	0.395 U	---	0.455 U	---	---	---	---
Perfluorobutanesulfonic acid	---	---	µg/kg	---	---	---	0.175 U	---	0.201 U	---	---	---	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	---	---	---	0.791 U	---	0.91 R	---	---	---	---
Perfluorodecane sulfonic acid	---	---	µg/kg	---	---	---	0.191 U	---	0.22 U	---	---	---	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	---	---	---	0.192 UJ	---	0.221 UJ	---	---	---	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluorohexanesulfonic acid	---	---	µg/kg	---	---	---	0.181 U	---	0.208 U	---	---	---	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	---	---	---	0.19 U	---	0.218 U	---	---	---	---
Perfluorononanoic acid	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	---	---	---	2.08	---	0.212 U	---	---	---	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	---	---	---	0.186 U	---	0.214 U	---	---	---	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	---	---	---	0.395 U	---	0.455 U	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	---	---	---	0.198 U	---	0.227 U	---	---	---	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	---	---	---	0.759 U	---	0.874 U	---	---	---	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	---	---	---	0.751 U	---	0.864 U	---	---	---	---
General Chemistry				---	---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	78.6	82.1	89.9	83	84.4	84.9	76.6	77.1	88.4	82.2

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-22	BS-22	BS-22	BS-23	BS-23	BS-23	BS-23	BS-24	BS-24	BS-24
			Sample Name	828109-BS-22-4-6-061724	828109-BS-22-8-9-061724	828109-BS-900-1-2-061724	828109-BS-23-0.5-1-061824	828109-BS-23-13.5-14-061824	828109-BS-23-4-5-061824	828109-BS-23-9-10-061824	828109-BS-24-12.5-13-061824	828109-BS-24-3-4-061824	828109-BS-24-5-6-061824
			Start Depth	4	8	1	0.5	13.5	4	9	12.5	3	5
			End Depth	6	9	2	1	14	5	10	13	4	6
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	FD	N	N	N	N	N	N	N
			Parent Sample			828109-BS-22-1-2-061724							
			Sample Date	6/17/2024	6/17/2024	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
VOCs													
1,1,1,2-Tetrachloroethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1,1-Trichloroethane	680	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1,2-Trichloroethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1-Dichloroethane	270	240000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1-Dichloroethene	330	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,1-Dichloropropene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2,3-Trichlorobenzene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2,3-Trichloropropane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2,4-Trichlorobenzene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2-Dichlorobenzene	1100	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2-Dichloroethane	20	30000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,2-Dichloropropane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,3-Dichlorobenzene	2400	280000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,3-Dichloropropane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,4-Dichlorobenzene	1800	130000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	94 U	93 U	90 U	92 U	120 U	87 U	95 U	95 U	110 U	88 U
2,2-Dichloropropane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
2-Chlorotoluene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
2-Hexanone	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
4-Chlorotoluene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Acetone	50	500000	µg/kg	9.4 U	54 J	9 U	9.2 U	12 U	29	9.5 U	9.5 U	34	8.8 U
Acrolein	---	---	µg/kg	9.4 U	9.3 U	9 U	9.2 U	12 U	8.7 U	9.5 U	9.5 U	11 U	8.8 U
Acrylonitrile	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Benzene	60	44000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Bromobenzene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Bromochloromethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Bromodichloromethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Bromoform	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Bromomethane	---	---	µg/kg	4.7 UJ	4.6 UJ	4.5 UJ	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Carbon Disulfide	---	---	µg/kg	4.7 U	5.1 J	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Carbon Tetrachloride	760	22000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Chlorobenzene	1100	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Chloroethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Chloroform	370	350000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Chloromethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Cis-1,3-Dichloropropene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Cyclohexane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Cymene	---	---	µg/kg	4.7 U	130 J	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Dibromochloromethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Dibromomethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Dichlorodifluoromethane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Ethylbenzene	1000	390000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Hexachlorobutadiene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Isopropylbenzene (Cumene)	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
m,p-Xylene	---	---	µg/kg	9.4 U	9.3 U	9 U	9.2 U	12 U	8.7 U	9.5 U	9.5 U	11 U	8.8 U
Methyl Acetate	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	4.7 U	12 J	4.5 U	4.6 U	6 U	8.2	4.8 U	4.8 U	8.9	4.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Methylcyclohexane	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Methylene Chloride	50	500000	µg/kg	9.4 U	9.3 U	9 U	9.2 U	12 U	8.7 U	9.5 U	9.5 U	11 U	8.8 U
N-Butylbenzene	12000	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
N-Propylbenzene	3900	500000	µg/kg	4.7 U	140 J	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-22	BS-22	BS-22	BS-23	BS-23	BS-23	BS-23	BS-24	BS-24	BS-24
			Sample Name	828109-BS-22-4-6-061724	828109-BS-22-8-9-061724	828109-BS-900-1-2-061724	828109-BS-23-0.5-1-061824	828109-BS-23-13.5-14-061824	828109-BS-23-4-5-061824	828109-BS-23-9-10-061824	828109-BS-24-12.5-13-061824	828109-BS-24-3-4-061824	828109-BS-24-5-6-061824
			Start Depth	4	8	1	0.5	13.5	4	9	12.5	3	5
			End Depth	6	9	2	1	14	5	10	13	4	6
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	FD	N	N	N	N	N	N	N
			Parent Sample			828109-BS-22-1-2-061724							
			Sample Date	6/17/2024	6/17/2024	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
Sec-Butylbenzene	11000	500000	µg/kg	4.7 U	340 J	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Styrene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
T-Butylbenzene	5900	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Tert-Butyl Alcohol	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	4.7 UJ	4.6 UJ	4.5 UJ	4.6 U	6 U	4.4 U	4.8 U	4.8 UJ	5.4 U	4.4 U
Toluene	700	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Trans-1,3-Dichloropropene	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Trichloroethylene (TCE)	470	200000	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Trichlorofluoromethane	---	---	µg/kg	4.7 UJ	4.6 UJ	4.5 UJ	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Vinyl Acetate	---	---	µg/kg	4.7 U	4.6 U	4.5 U	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Vinyl Chloride	20	13000	µg/kg	4.7 UJ	4.6 UJ	4.5 UJ	4.6 U	6 U	4.4 U	4.8 U	4.8 U	5.4 U	4.4 U
Xylenes	260	500000	µg/kg	14 U	14 U	14 U	14 U	18 U	13 U	14 U	14 U	16 U	13 U
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	0.833 U	---	---	---	---	0.877 U	---	---	---	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	0.827 U	---	---	---	---	0.87 U	---	---	---	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.2 UJ	---	---	---	---	2.32 UJ	---	---	---	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.2 UJ	---	---	---	---	2.32 UJ	---	---	---	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	5.51 U	---	---	---	---	5.8 U	---	---	---	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	5.51 UJ	---	---	---	---	5.8 U	---	---	---	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	1.1 UJ	---	---	---	---	1.16 U	---	---	---	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	0.833 U	---	---	---	---	0.877 U	---	---	---	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	0.824 U	---	---	---	---	0.868 U	---	---	---	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	0.882 U	---	---	---	---	0.928 U	---	---	---	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.22 UJ	---	---	---	---	0.232 U	---	---	---	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	0.441 U	---	---	---	---	0.464 U	---	---	---	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	0.392 U	---	---	---	---	0.413 U	---	---	---	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	0.441 U	---	---	---	---	0.464 U	---	---	---	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	0.441 U	---	---	---	---	0.464 U	---	---	---	---
Perfluorobutanesulfonic acid	---	---	µg/kg	0.195 U	---	---	---	---	0.205 U	---	---	---	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	0.882 U	---	---	---	---	0.928 U	---	---	---	---
Perfluorodecane sulfonic acid	---	---	µg/kg	0.213 U	---	---	---	---	0.224 U	---	---	---	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	0.214 UJ	---	---	---	---	0.225 UJ	---	---	---	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluorohexanesulfonic acid	---	---	µg/kg	0.202 U	---	---	---	---	0.212 U	---	---	---	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	0.212 U	---	---	---	---	0.223 U	---	---	---	---
Perfluorononanoic acid	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	0.207	---	---	---	---	0.216 U	---	---	---	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	0.207 U	---	---	---	---	0.218 U	---	---	---	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	0.441 U	---	---	---	---	0.464 U	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	0.22 U	---	---	---	---	0.232 U	---	---	---	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	0.847 U	---	---	---	---	0.891 U	---	---	---	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	0.838 U	---	---	---	---	0.882 U	---	---	---	---
General Chemistry				---	---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	90.8	84.5	88.2	93.2	92.8	86.8	88	89.9	86	90.7

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-24	BS-25	BS-25	BS-25	BS-25	BS-26	BS-26	BS-26	BS-26	BS-27
			Sample Name	828109-BS-24-8-9-061824	828109-BS-25-10-11-061824	828109-BS-25-14.5-15-061824	828109-BS-25-3-4-061824	828109-BS-25-6-7-061824	828109-BS-26-1-2-062024	828109-BS-26-12-13-062024	828109-BS-26-4-5-062024	828109-BS-26-8-9-062024	828109-BS-27-12-12.5-061924
			Start Depth	8	10	14.5	3	6	1	12	4	8	12
			End Depth	9	11	15	4	7	2	13	5	9	12.5
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	N	N
			Parent Sample										
			Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/19/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
VOCs													
1,1,1,2-Tetrachloroethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1,1-Trichloroethane	680	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1,2-Trichloroethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1-Dichloroethane	270	240000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1-Dichloroethene	330	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,1-Dichloropropene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2,3-Trichlorobenzene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2,3-Trichloropropane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2,4-Trichlorobenzene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2-Dichlorobenzene	1100	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2-Dichloroethane	20	30000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,2-Dichloropropane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,3-Dichlorobenzene	2400	280000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,3-Dichloropropane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,4-Dichlorobenzene	1800	130000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	120 U	130 U	90 U	84 U	93 U	90 U	100 U	97 U	97 U	80 U
2,2-Dichloropropane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
2-Chlorotoluene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
2-Hexanone	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
4-Chlorotoluene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Acetone	50	500000	µg/kg	45	59	9 U	8.4 U	60	9 U	31	9.7 U	67 J	8 U
Acrolein	---	---	µg/kg	12 U	13 U	9 U	8.4 U	9.3 U	9 U	10 U	9.7 U	9.7 U	8 U
Acrylonitrile	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Benzene	60	44000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Bromobenzene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Bromochloromethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Bromodichloromethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Bromoform	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Bromomethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Carbon Disulfide	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Carbon Tetrachloride	760	22000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Chlorobenzene	1100	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	3.5 J	4 U
Chloroethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Chloroform	370	350000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Chloromethane	---	---	µg/kg	6.2 UJ	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Cis-1,3-Dichloropropene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Cyclohexane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	3.8 J
Cymene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	5.6 J	3.8 J
Dibromochloromethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Dibromomethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Dichlorodifluoromethane	---	---	µg/kg	6.2 UJ	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Ethylbenzene	1000	390000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Hexachlorobutadiene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Isopropylbenzene (Cumene)	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.5	4.9 U	4.8 U	5.3
m,p-Xylene	---	---	µg/kg	12 U	13 U	9 U	8.4 U	9.3 U	9 U	10 U	9.7 U	9.7 U	8 U
Methyl Acetate	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	16	18	4.5 U	4.2 U	17	4.5 U	13	4.9 U	20 J	4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Methylcyclohexane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	9.3	4.9 U	3.4 J	17
Methylene Chloride	50	500000	µg/kg	12 U	13 U	9 U	8.4 U	9.3 U	9 U	10 U	9.7 U	9.7 U	8 U
N-Butylbenzene	12000	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	18	4.9 U	67 J	4 U
N-Propylbenzene	3900	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	6.7	4.9 U	11 J	8.8
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-24	BS-25	BS-25	BS-25	BS-25	BS-26	BS-26	BS-26	BS-26	BS-27
			Sample Name	828109-BS-24-8-9-061824	828109-BS-25-10-11-061824	828109-BS-25-14.5-15-061824	828109-BS-25-3-4-061824	828109-BS-25-6-7-061824	828109-BS-26-1-2-062024	828109-BS-26-12-13-062024	828109-BS-26-4-5-062024	828109-BS-26-8-9-062024	828109-BS-27-12-12.5-061924
			Start Depth	8	10	14.5	3	6	1	12	4	8	12
			End Depth	9	11	15	4	7	2	13	5	9	12.5
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	N	N
			Parent Sample										
			Sample Date	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/19/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
Sec-Butylbenzene	11000	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	26	4.9 U	52 J	17
Styrene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
T-Butylbenzene	5900	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Tert-Butyl Alcohol	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	6.2 U	6.3 UJ	4.5 UJ	2.5 J	4.7 UJ	33	7.6	19	9.7 J	4 UJ
Toluene	700	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Trans-1,3-Dichloropropene	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Trichloroethylene (TCE)	470	200000	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	7.5 J	4 U
Trichlorofluoromethane	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Vinyl Acetate	---	---	µg/kg	6.2 U	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Vinyl Chloride	20	13000	µg/kg	6.2 UJ	6.3 U	4.5 U	4.2 U	4.7 U	4.5 U	5.2 U	4.9 U	4.8 U	4 U
Xylenes	260	500000	µg/kg	18 U	19 U	14 U	13 U	14 U	14 U	16 U	15 U	15 U	12 U
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	0.977 U	---	---	---	0.877 U	---	---	---	0.958 U	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	0.969 U	---	---	---	0.87 U	---	---	---	0.95 U	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.58 U	---	---	---	2.32 UJ	---	---	---	2.53 U	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.58 UJ	---	---	---	2.32 U	---	---	---	2.53 U	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	6.46 U	---	---	---	5.8 U	---	---	---	6.33 U	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	6.46 U	---	---	---	5.8 U	---	---	---	6.33 U	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	1.29 U	---	---	---	1.16 U	---	---	---	1.27 U	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	0.977 U	---	---	---	0.877 U	---	---	---	0.958 U	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	0.967 U	---	---	---	0.868 U	---	---	---	0.947 U	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	1.03 U	---	---	---	0.928 U	---	---	---	1.01 U	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	0.517 U	---	---	---	0.464 U	---	---	---	0.507 U	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	0.46 U	---	---	---	0.413 U	---	---	---	0.451 U	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	0.517 U	---	---	---	0.464 U	---	---	---	0.507 U	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	0.517 U	---	---	---	0.464 U	---	---	---	0.507 U	---
Perfluorobutanesulfonic acid	---	---	µg/kg	0.229 U	---	---	---	0.205 U	---	---	---	0.224 U	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	1.03 U	---	---	---	0.928 R	---	---	---	1.01 R	---
Perfluorodecane sulfonic acid	---	---	µg/kg	0.249 U	---	---	---	0.224 U	---	---	---	0.244 U	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	0.251 UJ	---	---	---	0.225 UJ	---	---	---	0.246 U	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluorohexanesulfonic acid	---	---	µg/kg	0.236 U	---	---	---	0.212 U	---	---	---	0.232 U	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	0.248 U	---	---	---	0.223 U	---	---	---	0.243 U	---
Perfluorononanoic acid	---	---	µg/kg	0.684	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	0.24 U	---	---	---	0.216 U	---	---	---	1.93	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	0.243 U	---	---	---	0.218 U	---	---	---	0.238 U	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	0.517 U	---	---	---	0.464 U	---	---	---	0.507 U	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	0.258 U	---	---	---	0.232 U	---	---	---	0.253 U	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	0.992 U	---	---	---	0.891 U	---	---	---	0.973 U	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	0.982 U	---	---	---	0.882 U	---	---	---	0.963 U	---
General Chemistry				---	---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	70.3	72.8	86.5	83.7	79	85.4	79.8	80.9	78.9	85.4

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-27	BS-27	BS-27	BS-27	BS-28	BS-28	BS-29	BS-29	BS-29	BS-29
			Sample Name	828109-BS-27-3.5-4.5-061924	828109-BS-27-6-7-061924	828109-BS-27-9-10.5-061924	828109-BS-902-9-10.5-061924	828109-BS-28-1-2-061924	828109-BS-28-5.5-7-061924	828109-BS-29-1-2-062024	828109-BS-29-4-5-062024	828109-BS-29-7-8-062024	828109-BS-905-4-5-062024
			Start Depth	3.5	6	9	9	1	5.5	1	4	7	4
			End Depth	4.5	7	10.5	10.5	2	7	2	5	8	5
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	FD	N	N	N	N	N	FD
			Parent Sample				828109-BS-27-9-10.5-061924						828109-BS-29-4-5-062024
			Sample Date	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
VOCs													
1,1,1,2-Tetrachloroethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1,1-Trichloroethane	680	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1,2,2-Tetrachloroethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1,2-Trichloroethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1-Dichloroethane	270	240000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1-Dichloroethene	330	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,1-Dichloropropene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2,3-Trichlorobenzene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2,3-Trichloropropane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2,4-Trichlorobenzene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2,4-Trimethylbenzene	3600	190000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2-Dichlorobenzene	1100	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2-Dichloroethane	20	30000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,2-Dichloropropane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,3-Dichlorobenzene	2400	280000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,3-Dichloropropane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,4-Dichlorobenzene	1800	130000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	92 U	93 U	91 U	81 U	92 U	98 U	89 U	94 U	110 U	
2,2-Dichloropropane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
2-Chlorotoluene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
2-Hexanone	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
4-Chlorotoluene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Acetone	50	500000	µg/kg	9.2 U	9.3 U	9.1 U	8.1 U	9.2 U	9.8 U	8.9 U	9.4 U	11 U	
Acrolein	---	---	µg/kg	9.2 U	9.3 U	9.1 U	8.1 U	9.2 U	9.8 U	8.9 U	9.4 U	11 U	
Acrylonitrile	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Benzene	60	44000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Bromobenzene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Bromochloromethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Bromodichloromethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Bromoform	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Bromomethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Carbon Disulfide	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Carbon Tetrachloride	760	22000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Chlorobenzene	1100	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Chloroethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Chloroform	370	350000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Chloromethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Cis-1,2-Dichloroethylene	250	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	3.4 J	17	4.5 U	4.7 U	5.4 U	
Cis-1,3-Dichloropropene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Cyclohexane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	5.1	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Cymene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4.5	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Dibromochloromethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Dibromomethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Dichlorodifluoromethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Ethylbenzene	1000	390000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Hexachlorobutadiene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Isopropylbenzene (Cumene)	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
m,p-Xylene	---	---	µg/kg	9.2 U	9.3 U	9.1 U	8.1 U	9.2 U	9.8 U	8.9 U	9.4 U	11 U	
Methyl Acetate	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Methylcyclohexane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	21	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Methylene Chloride	50	500000	µg/kg	9.2 U	9.3 U	9.1 U	8.1 U	9.2 U	9.8 U	8.9 U	9.4 U	11 U	
N-Butylbenzene	12000	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
N-Propylbenzene	3900	500000	µg/kg	4.6 U	4.7 U	4.6 U	6.3	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-27	BS-27	BS-27	BS-27	BS-28	BS-28	BS-29	BS-29	BS-29	BS-29
			Sample Name	828109-BS-27-3.5-4.5-061924	828109-BS-27-6-7-061924	828109-BS-27-9-10.5-061924	828109-BS-902-9-10.5-061924	828109-BS-28-1-2-061924	828109-BS-28-5.5-7-061924	828109-BS-29-1-2-062024	828109-BS-29-4-5-062024	828109-BS-29-7-8-062024	828109-BS-905-4-5-062024
			Start Depth	3.5	6	9	9	1	5.5	1	4	7	4
			End Depth	4.5	7	10.5	10.5	2	7	2	5	8	5
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	FD	N	N	N	N	N	FD
			Parent Sample				828109-BS-27-9-10.5-061924						828109-BS-29-4-5-062024
			Sample Date	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
Sec-Butylbenzene	11000	500000	µg/kg	4.6 U	4.7 U	4.6 U	18	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Styrene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
T-Butylbenzene	5900	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Tert-Butyl Alcohol	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Tert-Butyl Methyl Ether	930	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	3.3 J	4.7 UJ	4.6 U	4 UJ	180	940 J	4.5 U	4.7 U	5.4 U	
Toluene	700	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Trans-1,2-Dichloroethene	190	500000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Trans-1,3-Dichloropropene	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Trichloroethylene (TCE)	470	200000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	3.9 J	25	4.5 U	4.7 U	5.4 U	
Trichlorofluoromethane	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Vinyl Acetate	---	---	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Vinyl Chloride	20	13000	µg/kg	4.6 U	4.7 U	4.6 U	4 U	4.6 U	4.9 U	4.5 U	4.7 U	5.4 U	
Xylenes	260	500000	µg/kg	14 U	14 U	14 U	12 U	14 U	15 U	13 U	14 U	16 U	
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	0.911 U	---	---	---	---	0.937 U	---	0.845 U	---	0.873 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	0.904 U	---	---	---	---	0.93 U	---	0.839 U	---	0.866 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.41 U	---	---	---	---	2.48 UJ	---	2.24 U	---	2.31 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.41 U	---	---	---	---	2.48 UJ	---	2.24 U	---	2.31 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	6.03 U	---	---	---	---	6.2 U	---	5.59 U	---	5.77 U
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	6.03 UJ	---	---	---	---	6.2 UJ	---	5.59 U	---	5.77 U
3-Perfluoropropyl propanoic acid	---	---	µg/kg	1.21 UJ	---	---	---	---	1.24 UJ	---	1.12 U	---	1.15 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	0.911 U	---	---	---	---	0.937 U	---	0.845 U	---	0.873 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	0.902 U	---	---	---	---	0.927 U	---	0.836 U	---	0.864 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	0.964 U	---	---	---	---	0.992 U	---	0.895 U	---	0.924 U
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	0.482 U	---	---	---	---	0.496 U	---	0.447 U	---	0.462 U
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	0.429 U	---	---	---	---	0.441 U	---	0.398 U	---	0.411 U
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	0.482 UJ	---	---	---	---	0.496 UJ	---	0.447 UJ	---	0.462 U
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	0.482 U	---	---	---	---	0.496 U	---	0.447 U	---	0.462 U
Perfluorobutanesulfonic acid	---	---	µg/kg	0.213 U	---	---	---	---	0.219 U	---	0.198 U	---	0.204 U
Perfluorobutyric acid (PFBA)	---	---	µg/kg	0.964 U	---	---	---	---	0.992 U	---	0.895 U	---	0.924 R
Perfluorodecane sulfonic acid	---	---	µg/kg	0.233 U	---	---	---	---	0.239 U	---	0.216 U	---	0.223 U
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	0.234 U	---	---	---	---	0.241 U	---	0.217 U	---	0.224 U
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluorohexanesulfonic acid	---	---	µg/kg	0.221 U	---	---	---	---	0.227 U	---	0.205 U	---	0.211 U
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.0606 J	---	0.231 U
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	0.231 U	---	---	---	---	0.238 U	---	0.215 U	---	0.222 U
Perfluorononanoic acid	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluorooctane sulfonic acid	0.88	440	µg/kg	0.333	---	---	---	---	1.24	---	0.712	---	0.306
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	0.227 U	---	---	---	---	0.233 U	---	0.21 U	---	0.217 U
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	0.482 U	---	---	---	---	0.496 U	---	0.447 U	---	0.462 U
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	0.241 U	---	---	---	---	0.248 U	---	0.224 U	---	0.231 U
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	0.926 U	---	---	---	---	0.952 U	---	0.859 U	---	0.887 U
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	0.916 U	---	---	---	---	0.942 U	---	0.85 U	---	0.877 U
General Chemistry				---	---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	83.8	82.3	87.8	85.4	85.5	79.1	90.8	84.4	81.1	86.4

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-30	BS-30	BS-30	BS-30	BS-31	BS-31	BS-31	BS-31	BS-31	BS-32
			Sample Name	828109-BS-30-1-2-061924	828109-BS-30-13-14-061924	828109-BS-30-4-5-061924	828109-BS-30-9-10-061924	828109-BS-31-1-2-062024	828109-BS-31-13-14-062024	828109-BS-31-3-4-062024	828109-BS-31-8-9-062024	828109-BS-904-13-14-062024	828109-BS-32-1-2-062024
			Start Depth	1	13	4	9	1	13	3	8	13	1
			End Depth	2	14	5	10	2	14	4	9	14	2
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	FD	N
			Parent Sample									828109-BS-31-13-14-062024	
			Sample Date	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
VOCs													
1,1,1,2-Tetrachloroethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1,1-Trichloroethane	680	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1,2-Trichloroethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1-Dichloroethane	270	240000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1-Dichloroethene	330	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,1-Dichloropropene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2,3-Trichlorobenzene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2,3-Trichloropropane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2,4-Trichlorobenzene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2-Dichlorobenzene	1100	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2-Dichloroethane	20	30000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,2-Dichloropropane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,3-Dichlorobenzene	2400	280000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,3-Dichloropropane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,4-Dichlorobenzene	1800	130000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	100 U	90 U	88 U	9100 U	92 U	83 U	86 U	79 U	85 U	89 U
2,2-Dichloropropane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
2-Chlorotoluene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
2-Hexanone	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
4-Chlorotoluene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Acetone	50	500000	µg/kg	10 U	9 U	8.8 U	910 U	9.2 U	8.3 U	8.6 U	7.9 U	8.5 U	8.9 U
Acrolein	---	---	µg/kg	10 U	9 U	8.8 U	910 U	9.2 U	8.3 U	8.6 U	7.9 U	8.5 U	8.9 U
Acrylonitrile	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Benzene	60	44000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Bromobenzene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Bromochloromethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Bromodichloromethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Bromoform	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Bromomethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Carbon Disulfide	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Carbon Tetrachloride	760	22000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Chlorobenzene	1100	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Chloroethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Chloroform	370	350000	µg/kg	5.2 U	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Chloromethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Cis-1,3-Dichloropropene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Cyclohexane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Cymene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Dibromochloromethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Dibromomethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Dichlorodifluoromethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Ethylbenzene	1000	390000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Hexachlorobutadiene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Isopropylbenzene (Cumene)	---	---	µg/kg	5.2 U	4.5 U	4.4 U	290 J	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
m,p-Xylene	---	---	µg/kg	10 U	9 U	8.8 U	910 U	9.2 U	8.3 U	8.6 U	7.9 U	8.5 U	8.9 U
Methyl Acetate	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Methylcyclohexane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	480	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Methylene Chloride	50	500000	µg/kg	10 U	9 U	8.8 U	910 U	9.2 U	8.3 U	8.6 U	7.9 U	8.5 U	8.9 U
N-Butylbenzene	12000	500000	µg/kg	5.2 U	4.5 U	4.4 U	910	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
N-Propylbenzene	3900	500000	µg/kg	5.2 U	4.5 U	4.4 U	670	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-30	BS-30	BS-30	BS-30	BS-31	BS-31	BS-31	BS-31	BS-31	BS-32
			Sample Name	828109-BS-30-1-2-061924	828109-BS-30-13-14-061924	828109-BS-30-4-5-061924	828109-BS-30-9-10-061924	828109-BS-31-1-2-062024	828109-BS-31-13-14-062024	828109-BS-31-3-4-062024	828109-BS-31-8-9-062024	828109-BS-904-13-14-062024	828109-BS-32-1-2-062024
			Start Depth	1	13	4	9	1	13	3	8	13	1
			End Depth	2	14	5	10	2	14	4	9	14	2
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	N	FD	N
			Parent Sample									828109-BS-31-13-14-062024	
			Sample Date	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024	6/20/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
Sec-Butylbenzene	11000	500000	µg/kg	5.2 U	4.5 U	4.4 U	780	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Styrene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
T-Butylbenzene	5900	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Tert-Butyl Alcohol	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	5.2 UJ	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Toluene	700	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Trans-1,3-Dichloropropene	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 UJ	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Trichloroethylene (TCE)	470	200000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Trichlorofluoromethane	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Vinyl Acetate	---	---	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Vinyl Chloride	20	13000	µg/kg	5.2 U	4.5 U	4.4 U	450 U	4.6 U	4.1 U	4.3 U	4 U	4.2 U	4.4 U
Xylenes	260	500000	µg/kg	15 U	13 U	13 U	1400 U	14 U	12 U	13 U	12 U	13 U	13 U
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	---	---	---	0.889 U	0.898 U	---	---	---	---	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	---	---	---	0.882 U	0.891 U	---	---	---	---	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	---	---	2.35 U	2.38 U	---	---	---	---	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	---	---	---	2.35 U	2.38 U	---	---	---	---	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	---	---	---	5.88 U	5.94 U	---	---	---	---	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	---	---	---	5.88 UJ	5.94 U	---	---	---	---	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	---	---	---	1.18 UJ	1.19 U	---	---	---	---	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	---	---	---	0.889 U	0.898 U	---	---	---	---	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	---	---	---	0.88 U	0.888 U	---	---	---	---	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	---	---	---	0.941 U	0.95 U	---	---	---	---	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	---	---	---	0.471 U	0.475 U	---	---	---	---	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	---	---	---	0.419 U	0.423 U	---	---	---	---	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	---	---	---	0.471 UJ	0.475 U	---	---	---	---	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	---	---	---	0.471 U	0.475 U	---	---	---	---	---
Perfluorobutanesulfonic acid	---	---	µg/kg	---	---	---	0.208 U	0.21 U	---	---	---	---	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	---	---	---	0.941 U	0.95 R	---	---	---	---	---
Perfluorodecane sulfonic acid	---	---	µg/kg	---	---	---	0.227 U	0.229 U	---	---	---	---	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	---	---	---	0.235 U	0.432	---	---	---	---	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	---	---	---	0.228 U	0.23 U	---	---	---	---	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluorohexanesulfonic acid	---	---	µg/kg	---	---	---	0.215 U	0.217 U	---	---	---	---	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	---	---	---	0.235 U	0.0929 J	---	---	---	---	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	---	---	---	0.226 U	0.228 U	---	---	---	---	---
Perfluorononanoic acid	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	---	---	---	0.219 U	1.56	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	---	---	---	0.221 U	0.223 U	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	---	---	---	0.471 U	0.141 J	---	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	---	---	---	0.235 U	0.238 U	---	---	---	---	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	---	---	---	0.904 U	0.912 U	---	---	---	---	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	---	---	---	0.894 U	0.903 U	---	---	---	---	---
General Chemistry				---	---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	82.7	84.1	84.9	81.9	88.3	91.3	90.5	88	90.6	94.4

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-32	BS-32	BS-33	BS-33	BS-33	BS-33	BS-33	BS-33	BS-34	BS-34
			Sample Name	828109-BS-32-3-4-062024	828109-BS-32-8-9-062024	828109-BS-33-12.5-13-061924	828109-BS-33-16-16.5-061924	828109-BS-33-2.5-3-061924	828109-BS-33-4-6-061924	828109-BS-33-8-9-061924	828109-BS-903-4-6-061924	828109-BS-34-10-10.5-061924	828109-BS-34-1-2-061924
			Start Depth	3	8	12.5	16	2.5	4	8	4	10	1
			End Depth	4	9	13	16.5	3	6	9	6	10.5	2
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	FD	N	N
			Parent Sample								828109-BS-33-4-6-061924		
			Sample Date	6/20/2024	6/20/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
VOCs													
1,1,1,2-Tetrachloroethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1,1-Trichloroethane	680	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1,2-Trichloroethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1-Dichloroethane	270	240000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1-Dichloroethene	330	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,1-Dichloropropene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2,3-Trichlorobenzene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2,3-Trichloropropane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2,4-Trichlorobenzene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2-Dichlorobenzene	1100	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2-Dichloroethane	20	30000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,2-Dichloropropane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,3-Dichlorobenzene	2400	280000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,3-Dichloropropane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,4-Dichlorobenzene	1800	130000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	92 U	97 U	84 U	85 U	98 U	90 U	91 U	100 U	95 U	79 U
2,2-Dichloropropane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
2-Chlorotoluene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
2-Hexanone	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
4-Chlorotoluene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Acetone	50	500000	µg/kg	9.2 U	9.7 U	8.4 U	8.5 U	9.8 U	9 U	45	10 U	9.5 U	26
Acrolein	---	---	µg/kg	9.2 U	9.7 U	8.4 U	8.5 U	9.8 U	9 U	9.1 U	10 U	9.5 U	7.9 U
Acrylonitrile	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Benzene	60	44000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Bromobenzene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Bromochloromethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Bromodichloromethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Bromoform	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Bromomethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Carbon Disulfide	---	---	µg/kg	4.6 U	4.9 U	3.3 J	4.4	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Carbon Tetrachloride	760	22000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Chlorobenzene	1100	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Chloroethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Chloroform	370	350000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Chloromethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Cis-1,3-Dichloropropene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Cyclohexane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	2.9 J	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Cymene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Dibromochloromethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Dibromomethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Dichlorodifluoromethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Ethylbenzene	1000	390000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Hexachlorobutadiene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Isopropylbenzene (Cumene)	---	---	µg/kg	4.6 U	4.9 U	28	5.5	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
m,p-Xylene	---	---	µg/kg	9.2 U	9.7 U	8.4 U	8.5 U	9.8 U	9 U	9.1 U	10 U	9.5 U	7.9 U
Methyl Acetate	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	14	5.2 U	4.7 U	4.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Methylcyclohexane	---	---	µg/kg	4.6 U	4.9 U	9	2.8 J	4.9 U	4.5 U	4.2 J	5.2 U	4.7 U	3.9 U
Methylene Chloride	50	500000	µg/kg	9.2 U	9.7 U	8.4 U	8.5 U	9.8 U	9 U	9.1 U	10 U	9.5 U	7.9 U
N-Butylbenzene	12000	500000	µg/kg	4.6 U	4.9 U	4.2 U	5.2	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
N-Propylbenzene	3900	500000	µg/kg	4.6 U	4.9 U	44	9.2	4.9 U	4.5 U	51	5.2 U	4.7 U	3.9 U
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-32	BS-32	BS-33	BS-33	BS-33	BS-33	BS-33	BS-33	BS-34	BS-34
			Sample Name	828109-BS-32-3-4-062024	828109-BS-32-8-9-062024	828109-BS-33-12.5-13-061924	828109-BS-33-16-16.5-061924	828109-BS-33-2.5-3-061924	828109-BS-33-4-6-061924	828109-BS-33-8-9-061924	828109-BS-903-4-6-061924	828109-BS-34-10-10.5-061924	828109-BS-34-1-2-061924
			Start Depth	3	8	12.5	16	2.5	4	8	4	10	1
			End Depth	4	9	13	16.5	3	6	9	6	10.5	2
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Type	N	N	N	N	N	N	N	FD	N	N
			Parent Sample								828109-BS-33-4-6-061924		
			Sample Date	6/20/2024	6/20/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/19/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**										
Sec-Butylbenzene	11000	500000	µg/kg	4.6 U	4.9 U	37	9	4.9 U	4.5 U	74	5.2 U	4.7 U	3.9 U
Styrene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
T-Butylbenzene	5900	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Tert-Butyl Alcohol	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	4.6 U	4.9 U	4.2 UJ	4.3 U	4.9 UJ	4.5 U	4.5 UJ	5.2 UJ	4.7 U	3.9 U
Toluene	700	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Trans-1,3-Dichloropropene	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Trichloroethylene (TCE)	470	200000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Trichlorofluoromethane	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Vinyl Acetate	---	---	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Vinyl Chloride	20	13000	µg/kg	4.6 U	4.9 U	4.2 U	4.3 U	4.9 U	4.5 U	4.5 U	5.2 U	4.7 U	3.9 U
Xylenes	260	500000	µg/kg	14 U	15 U	13 U	13 U	15 U	14 U	14 U	16 U	14 U	12 U
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	0.896 U	---	---	---	---	---	0.911 U	---	---	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	0.889 U	---	---	---	---	---	0.904 U	---	---	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.37 U	---	---	---	---	---	2.41 U	---	---	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.37 U	---	---	---	---	---	2.41 U	---	---	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	5.93 U	---	---	---	---	---	6.03 U	---	---	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	5.93 U	---	---	---	---	---	6.03 UJ	---	---	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	1.19 U	---	---	---	---	---	1.21 UJ	---	---	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	0.896 U	---	---	---	---	---	0.911 U	---	---	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	0.887 U	---	---	---	---	---	0.901 U	---	---	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	0.949 U	---	---	---	---	---	0.964 U	---	---	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	0.474 U	---	---	---	---	---	0.482 U	---	---	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	0.422 U	---	---	---	---	---	0.429 U	---	---	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	0.474 U	---	---	---	---	---	0.482 UJ	---	---	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	0.474 U	---	---	---	---	---	0.482 U	---	---	---
Perfluorobutanesulfonic acid	---	---	µg/kg	0.21 U	---	---	---	---	---	0.213 U	---	---	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	0.949 U	---	---	---	---	---	0.964 U	---	---	---
Perfluorodecane sulfonic acid	---	---	µg/kg	0.229 U	---	---	---	---	---	0.233 U	---	---	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	0.23 U	---	---	---	---	---	0.234 U	---	---	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluorohexanesulfonic acid	---	---	µg/kg	0.217 U	---	---	---	---	---	0.221 U	---	---	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	0.228 U	---	---	---	---	---	0.231 U	---	---	---
Perfluorononanoic acid	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	0.221 U	---	---	---	---	---	0.224 U	---	---	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	0.223 U	---	---	---	---	---	0.227 U	---	---	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	0.474 U	---	---	---	---	---	0.482 U	---	---	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	0.237 U	---	---	---	---	---	0.241 U	---	---	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	0.911 U	---	---	---	---	---	0.926 U	---	---	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	0.901 U	---	---	---	---	---	0.916 U	---	---	---
General Chemistry				---	---	---	---	---	---	---	---	---	---
Solids, Percent	---	---	%	82.9	82.2	86	88.9	86.5	87.1	85.1	85.4	88.3	89.4

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-34	BS-34
			Sample Name	828109-BS-34-14-14.5-061924	828109-BS-34-6-6.5-061924
			Start Depth	14	6
			End Depth	14.5	6.5
			Depth Unit	ft	ft
			Sample Type	N	N
			Parent Sample		
			Sample Date	6/19/2024	6/19/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**		
VOCs					
1,1,1,2-Tetrachloroethane	---	---	µg/kg	6.3 U	5.1 U
1,1,1-Trichloroethane	680	500000	µg/kg	6.3 U	5.1 U
1,1,2,2-Tetrachloroethane	---	---	µg/kg	6.3 U	5.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	---	µg/kg	6.3 U	5.1 U
1,1,2-Trichloroethane	---	---	µg/kg	6.3 U	5.1 U
1,1-Dichloroethane	270	240000	µg/kg	6.3 U	5.1 U
1,1-Dichloroethene	330	500000	µg/kg	6.3 U	5.1 U
1,1-Dichloropropene	---	---	µg/kg	6.3 U	5.1 U
1,2,3-Trichlorobenzene	---	---	µg/kg	6.3 U	5.1 U
1,2,3-Trichloropropane	---	---	µg/kg	6.3 U	5.1 U
1,2,4-Trichlorobenzene	---	---	µg/kg	6.3 U	5.1 U
1,2,4-Trimethylbenzene	3600	190000	µg/kg	6.3 U	5.1 U
1,2-Dibromo-3-Chloropropane	---	---	µg/kg	6.3 U	5.1 U
1,2-Dibromoethane (Ethylene Dibromide)	---	---	µg/kg	6.3 U	5.1 U
1,2-Dichlorobenzene	1100	500000	µg/kg	6.3 U	5.1 U
1,2-Dichloroethane	20	30000	µg/kg	6.3 U	5.1 U
1,2-Dichloropropane	---	---	µg/kg	6.3 U	5.1 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	µg/kg	6.3 U	5.1 U
1,3-Dichlorobenzene	2400	280000	µg/kg	6.3 U	5.1 U
1,3-Dichloropropane	---	---	µg/kg	6.3 U	5.1 U
1,4-Dichlorobenzene	1800	130000	µg/kg	6.3 U	5.1 U
1,4-Dioxane (P-Dioxane)	100	130000	µg/kg	130 U	100 U
2,2-Dichloropropane	---	---	µg/kg	6.3 U	5.1 U
2-Chlorotoluene	---	---	µg/kg	6.3 U	5.1 U
2-Hexanone	---	---	µg/kg	6.3 U	5.1 U
4-Chlorotoluene	---	---	µg/kg	6.3 U	5.1 U
Acetone	50	500000	µg/kg	13 U	23
Acrolein	---	---	µg/kg	13 U	10 U
Acrylonitrile	---	---	µg/kg	6.3 U	5.1 U
Benzene	60	44000	µg/kg	6.3 U	5.1 U
Bromobenzene	---	---	µg/kg	6.3 U	5.1 U
Bromochloromethane	---	---	µg/kg	6.3 U	5.1 U
Bromodichloromethane	---	---	µg/kg	6.3 U	5.1 U
Bromoform	---	---	µg/kg	6.3 U	5.1 U
Bromomethane	---	---	µg/kg	6.3 U	5.1 U
Carbon Disulfide	---	---	µg/kg	6.3 U	5.1 U
Carbon Tetrachloride	760	22000	µg/kg	6.3 U	5.1 U
Chlorobenzene	1100	500000	µg/kg	6.3 U	5.1 U
Chloroethane	---	---	µg/kg	6.3 U	5.1 U
Chloroform	370	350000	µg/kg	6.3 U	5.1 U
Chloromethane	---	---	µg/kg	6.3 U	5.1 U
Cis-1,2-Dichloroethylene	250	500000	µg/kg	6.3 U	5.1 U
Cis-1,3-Dichloropropene	---	---	µg/kg	6.3 U	5.1 U
Cyclohexane	---	---	µg/kg	6.3 U	5.1 U
Cymene	---	---	µg/kg	6.3 U	5.1 U
Dibromochloromethane	---	---	µg/kg	6.3 U	5.1 U
Dibromomethane	---	---	µg/kg	6.3 U	5.1 U
Dichlorodifluoromethane	---	---	µg/kg	6.3 U	5.1 U
Ethylbenzene	1000	390000	µg/kg	6.3 U	5.1 U
Hexachlorobutadiene	---	---	µg/kg	6.3 U	5.1 U
Isopropylbenzene (Cumene)	---	---	µg/kg	6.3 U	5.1 U
m,p-Xylene	---	---	µg/kg	13 U	10 U
Methyl Acetate	---	---	µg/kg	6.3 U	5.1 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	µg/kg	6.3 U	5.1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	---	---	µg/kg	6.3 U	5.1 U
Methylcyclohexane	---	---	µg/kg	6.3 U	5.1 U
Methylene Chloride	50	500000	µg/kg	13 U	10 U
N-Butylbenzene	12000	500000	µg/kg	6.3 U	5.1 U
N-Propylbenzene	3900	500000	µg/kg	6.3 U	5.1 U
O-Xylene (1,2-Dimethylbenzene)	---	---	µg/kg	6.3 U	5.1 U

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

			Location	BS-34	BS-34
			Sample Name	828109-BS-34-14-14.5-061924	828109-BS-34-6-6.5-061924
			Start Depth	14	6
			End Depth	14.5	6.5
			Depth Unit	ft	ft
			Sample Type	N	N
			Parent Sample		
			Sample Date	6/19/2024	6/19/2024
Analyte	**Unrestricted SCO**	**Commercial SCO**	**Units**		
Sec-Butylbenzene	11000	500000	µg/kg	6.3 U	5.1 U
Styrene	---	---	µg/kg	6.3 U	5.1 U
T-Butylbenzene	5900	500000	µg/kg	6.3 U	5.1 U
Tert-Butyl Alcohol	---	---	µg/kg	6.3 U	5.1 U
Tert-Butyl Methyl Ether	930	500000	µg/kg	6.3 U	5.1 U
Tetrachloroethylene (PCE)	1300	**150000**	µg/kg	6.3 U	5.1 U
Toluene	700	500000	µg/kg	6.3 U	5.1 U
Trans-1,2-Dichloroethene	190	500000	µg/kg	6.3 U	5.1 U
Trans-1,3-Dichloropropene	---	---	µg/kg	6.3 U	5.1 U
Trichloroethylene (TCE)	470	200000	µg/kg	6.3 U	5.1 U
Trichlorofluoromethane	---	---	µg/kg	6.3 U	5.1 U
Vinyl Acetate	---	---	µg/kg	6.3 U	5.1 U
Vinyl Chloride	20	13000	µg/kg	6.3 U	5.1 U
Xylenes	260	500000	µg/kg	19 U	15 U
PFAS					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	---	---	µg/kg	0.872 U	---
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	---	---	µg/kg	0.865 U	---
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.31 UJ	---
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	---	---	µg/kg	2.31 UJ	---
2-(N-methyl perfluorooctanesulfonamido) acetic acid	---	---	µg/kg	0.231 U	---
2H,2H,3H,3H-Perfluorooctanoic acid	---	---	µg/kg	5.77 U	---
3-Perfluoroheptyl propanoic acid	---	---	µg/kg	5.77 UJ	---
3-Perfluoropropyl propanoic acid	---	---	µg/kg	1.15 UJ	---
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	---	---	µg/kg	0.872 U	---
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	---	---	µg/kg	0.863 U	---
Hexafluoropropylene oxide dimer acid (HFPO-DA)	---	---	µg/kg	0.923 U	---
N-ethyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.231 U	---
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	---	---	µg/kg	0.231 U	---
N-methyl perfluoro-1-octanesulfonamide	---	---	µg/kg	0.231 U	---
Nonafluoro-3,6-dioxaheptanoic acid	---	---	µg/kg	0.462 U	---
Perfluoro(2-ethoxyethane)sulfonic acid	---	---	µg/kg	0.411 U	---
Perfluoro-3-methoxypropanoic acid	---	---	µg/kg	0.462 UJ	---
Perfluoro-4-methoxybutanoic acid	---	---	µg/kg	0.462 U	---
Perfluorobutanesulfonic acid	---	---	µg/kg	0.204 U	---
Perfluorobutyric acid (PFBA)	---	---	µg/kg	0.923 U	---
Perfluorodecane sulfonic acid	---	---	µg/kg	0.223 U	---
Perfluorodecanoic acid (PFDA)	---	---	µg/kg	0.231 U	---
Perfluorododecane sulfonate (PFDoDS)	---	---	µg/kg	0.224 U	---
Perfluorododecanoic acid (PFDoA)	---	---	µg/kg	0.231 U	---
Perfluoroheptane sulfonate (PFHpS)	---	---	µg/kg	0.231 U	---
Perfluoroheptanoic Acid (PFHpA)	---	---	µg/kg	0.231 U	---
Perfluorohexanesulfonic acid	---	---	µg/kg	0.211 U	---
Perfluorohexanoic acid (PFHxA)	---	---	µg/kg	0.231 U	---
Perfluorononanesulfonic acid (PFNS)	---	---	µg/kg	0.222 U	---
Perfluorononanoic acid	---	---	µg/kg	0.231 U	---
Perfluorooctane Sulfonamide (FOSA)	---	---	µg/kg	0.231 U	---
Perfluorooctane sulfonic acid	0.88	440	µg/kg	0.215 U	---
Perfluorooctanoic acid (PFOA)	0.66	500	µg/kg	0.231 U	---
Perfluoropentanesulfonic acid (PFPES)	---	---	µg/kg	0.217 U	---
Perfluoropentanoic acid (PFPeA)	---	---	µg/kg	0.462 U	---
Perfluorotetradecanoic acid (PFTeA)	---	---	µg/kg	0.231 U	---
Perfluorotridecanoic acid (PFTriA)	---	---	µg/kg	0.231 U	---
Perfluoroundecanoic acid (PFUnA)	---	---	µg/kg	0.231 U	---
Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2)	---	---	µg/kg	0.886 U	---
Sodium 1H,1H,2H,2H-Perfluorooctane sulfonate (6:2)	---	---	µg/kg	0.877 U	---
General Chemistry				---	---
Solids, Percent	---	---	%	93.3	81.9

Table 4-1
Soil Analytical Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Notes:

1. Values highlighted in yellow note VOC concentrations greater than the New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCO) (December 2006) or PFAS compound concentrations greater than guidance values set in the NYSDEC Sampling, Analysis, and Assessment of PFAS guidance document (April 2023).
2. NYSDEC Unrestricted Use and Protection of Groundwater SCOs are equivalent for VOCs. NYSDEC Unrestricted Use SCOs for PFAS are more stringent than the Protection of Groundwater SCOs.

Acronyms:

ft - feet
N - normal sample
FD - field duplicate
µg/kg - microgram per kilogram
% - percent
SCO - soil cleanup objective
NYSDEC - New York State Department of Environmental Conservation
VOC - volatile organic compound
PFAS - per- and polyfluoroalkyl substances

Qualifiers:

J - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
R - The data are unusable
U - Analyte was not present in sample above detection limit
UJ - Analyte was not present in sample above detection limit; however, the reported detection limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately

Table 4-2 presents the frequency of detections and exceedances of SCGs for Site-related VOCs, PFOS, and PFOA in soil. Cross-sectional profiles of the Site display the vertical extent of Site-related VOCs and PFAS. **Figure 4-3** shows cross-section A-A', running southwest to northeast. **Figure 4-4** shows cross-section B-B', running northwest to southeast.

Table 4-2 Frequency of Detections for Site-related VOCs and PFAS in Soil

Analyte Group	Site-Related Contaminants	2024 Supplemental RI Soil Investigation Results						
		NYSDEC Unrestricted Use SCO (µg/kg) [1]	NYSDEC Commercial Use SCO (µg/kg)	Maximum Concentration Detected (µg/kg)	Location of Maximum Concentration Detected	Number of Detects/ Total Samples [2]	Number of Detects above NYSDEC Unrestricted Use SCO	Number of Detects above NYSDEC Commercial Use SCO
VOCs	cis-1,2-DCE	250	500,000	36	BS-18	6/79	0/79	0/79
	PCE	1,300	150,000	870,000	BS-19	22/79	4/79	1/79
	TCE	470	200,000	42	BS-19	8/79	0/79	0/79
	Vinyl Chloride	20	13,000	ND	None	0/79	0/79	0/79
PFAS	PFOA	0.66	500	ND	None	0/21	0/21	0/21
	PFOS	0.88	440	2.08	BS-20	11/21	6/21	0/21

1 The NYSDEC Unrestricted Use and Protection of Groundwater SCOs are equivalent for VOCs. The NYSDEC Unrestricted Use SCOs for PFAS are more stringent than the Protection of Groundwater SCOs and are therefore used in this Supplemental RI.

2 Total number of samples includes duplicate samples.

Of the four Site-related VOCs, *cis*-1,2-DCE, PCE, and TCE were detected in soil samples collected from eight of 20 soil borings. Vinyl chloride was not detected in any soil samples.

PCE was the only Site-related VOC with concentrations exceeding the NYSDEC SCOs. PCE exceeded the NYSDEC Unrestricted Use SCO and Commercial Use SCO at BS-19. The highest PCE concentration (870,000 µg/kg) was collected from 1 to 2 feet bgs at BS-19. Samples collected from 4.5 to 5 feet bgs (1,500 µg/kg) and 16 to 16.5 feet bgs (3,600 µg/kg), the deepest interval sampled at BS-19, had PCE concentrations above the Unrestricted Use SCO, but these concentrations did not exceed the Commercial Use SCO. TCE and *cis*-1,2-DCE were detected in two of four sampled intervals at BS-19; however, their respective concentrations did not exceed the NYSDEC SCOs. TCE concentrations ranged from 26 µg/kg at 4.5 to 5 feet bgs to 42 µg/kg at 1 to 2 feet bgs, and *cis*-1,2-DCE concentrations ranged from 28 µg/kg at 1 to 2 feet bgs to 30 µg/kg at 4.5 to 5 feet bgs.

The PCE concentration at BS-20 exceeded the Unrestricted Use SCO in the deepest sample interval (3,200 J µg/kg at 6 to 6.5 feet bgs). PCE concentrations did not exceed the NYSDEC Unrestricted Use SCO at the other two sample intervals at BS-20 (280 J µg/kg at 0 to 0.5 feet bgs; and 180 J µg/kg at 2 to 3 feet bgs).

BS-19 and BS-20 are both located in a source area that was once used to clean dry cleaning filters. Site-related VOC contamination extends from the ground surface to the glacial till in this area, as evidenced by the PCE exceedances of the Unrestricted Use SCO in samples collected from 1 to 2 feet bgs (BS-19), 4.5 to 5 feet bgs (BS-19), 6 to 6.5 feet bgs (BS-20), and 16 to 16.5 feet bgs (BS-19). The PCE concentration in the sample collected from 1 to 2 feet bgs at BS-19 exceeded the

Commercial Use SCO. Additionally, PCE was detected at concentrations below the NYSDEC SCOs in samples collected from 0 to 0.5 feet bgs (BS-20) and 2 to 3 feet bgs (BS-20).

PCE, TCE, and *cis*-1,2-DCE were detected at BS-18 and BS-28 at concentrations below the NYSDEC SCOs. PCE was detected at all four sampled intervals at BS-18 with concentrations ranging from 4.1 J µg/kg at 8 to 8.5 feet bgs to 220 J µg/kg at 5 to 6 feet bgs. TCE was detected at three of four sampled intervals, with concentrations ranging from 3.7 J µg/kg at 12 to 12.5 feet bgs to 12 J µg/kg at 1.5 to 3 feet bgs. *cis*-1,2-DCE was detected at two of four sampled intervals, with concentrations ranging from 23 µg/kg at 12 to 12.5 feet bgs to 36 µg/kg at 5 to 6 feet bgs. Additionally, PCE, TCE, and *cis*-1,2-DCE were detected at both sampled intervals at BS-28. PCE concentrations ranged from 180 µg/kg at 1 to 2 feet bgs to 940 J µg/kg at 5.5 to 7 feet bgs; TCE concentrations ranged from 3.9 J µg/kg at 1 to 2 feet bgs to 25 µg/kg at 5.5 to 7 feet bgs; and *cis*-1,2-DCE concentrations ranged from 3.4 J µg/kg at 1 to 2 feet bgs to 17 µg/kg at 5.5 to 7 feet bgs.

PCE was detected at all four sampled intervals at BS-26, while TCE was detected at one interval. The concentrations of PCE and TCE at BS-26 are below the NYSDEC SCOs. PCE concentrations ranged from 7.6 µg/kg at 12 to 13 feet bgs to 33 µg/kg at 1 to 2 feet bgs. The TCE concentration was 7.5 J µg/kg at 8 to 9 feet bgs.

PCE was detected at three of four sampled intervals at BS-15 (5.3 µg/kg at 7 to 8 feet bgs; 16 µg/kg at 10.5 to 11.5 feet bgs; and 7.4 µg/kg at 16 to 17 feet bgs). Additionally, PCE was detected in one of four sample intervals at both BS-25 (2.5 J µg/kg at 3 to 4 feet bgs) and BS-27 (3.3 J µg/kg at 3.5 to 4.5 feet bgs). PCE concentrations did not exceed the NYSDEC SCOs, and no other Site-related VOCs were detected at these borings.

Additional VOCs that were detected at concentrations exceeding the NYSDEC Unrestricted Use SCO included 1,2,4-trimethylbenzene, acetone, and n-propylbenzene. Exceedances of 1,2,4-trimethylbenzene and n-propylbenzene occurred at BS-19 at the deepest sampled interval (16 to 16.5 feet bgs). Concentrations of 1,2,4-trimethylbenzene and n-propylbenzene in this sample were 11,000 µg/kg and 5,200 µg/kg, respectively. Acetone concentrations exceeded the Unrestricted Use SCO (50 µg/kg) at BS-19, BS-21, BS-22, BS-25, and BS-26. Acetone concentrations exceeding the Unrestricted Use SCO ranged from 54 J µg/kg to 110 µg/kg. Concentrations of these three compounds were orders of magnitude below their respective Commercial Use SCOs. The source of these contaminants is unclear but may be attributed to historical site operations.

Of the 40 PFAS compounds analyzed during the supplemental RI field event, NYSDEC screening criteria only exist for PFOS and PFOA. PFOS was detected in nine of 20 soil borings, with six PFOS concentrations above the NYSDEC Unrestricted Use SCO. PFOA was not detected in any soil samples.

PFOS exceeded the NYSDEC Unrestricted Use SCO at six borings (BS-18, BS-19, BS-20, BS-26, BS-28, and BS-31). PFOS concentrations at these borings ranged from 1.24 µg/kg (5.5 to 7 feet bgs at BS-28) to 2.08 µg/kg (2 to 3 feet bgs at BS-20). PFOS concentrations below the NYSDEC Unrestricted Use SCO ranged from 0.207 µg/kg (4 to 6 feet bgs at B-22) to 0.712 µg/kg (4 to 5 feet bgs at BS-29).

Analytical result statistics from the RI and supplemental RI are presented in **Appendix F**. The appendix tables present soil and groundwater analytical results compared with the applicable SCGs for the Site. Result statistics (e.g., concentration ranges, frequency of detection, location of maximum concentration, etc.) are provided for all analytes (Tables F-1 and F-2) and only those analytes that exceed SCGs (Tables F-3 and F-4) in soil and groundwater, respectively. The contaminants are arranged into six categories: VOCs, SVOCs, pesticides, PCBs, PFAS, and inorganics. For comparison purposes, the SCGs are the NYSDEC Unrestricted Use and Commercial Use SCOs for soil and the NYSDEC AWQS for Class GA groundwater. Unrestricted Use SCOs for soil were used for comparison because they are equivalent to, or more stringent than the Protection of Groundwater SCOs.

PCE, PFOS, and acetone were the only analytes detected in groundwater that had corresponding soil concentrations that exceeded NYSDEC Unrestricted Use SCOs. Of those three analytes, PCE and PFOS had concentrations in groundwater that exceeded their respective NYSDEC AWQS. Additionally, PCE was the only analyte detected in soil that exceeded the Unrestricted Use SCO and the Commercial Use SCO. TCE and *cis*-1,2-DCE were detected in groundwater at concentrations that exceeded their respective NYSDEC AWQS; however, their concentrations in soil were below the Unrestricted Use SCOs.

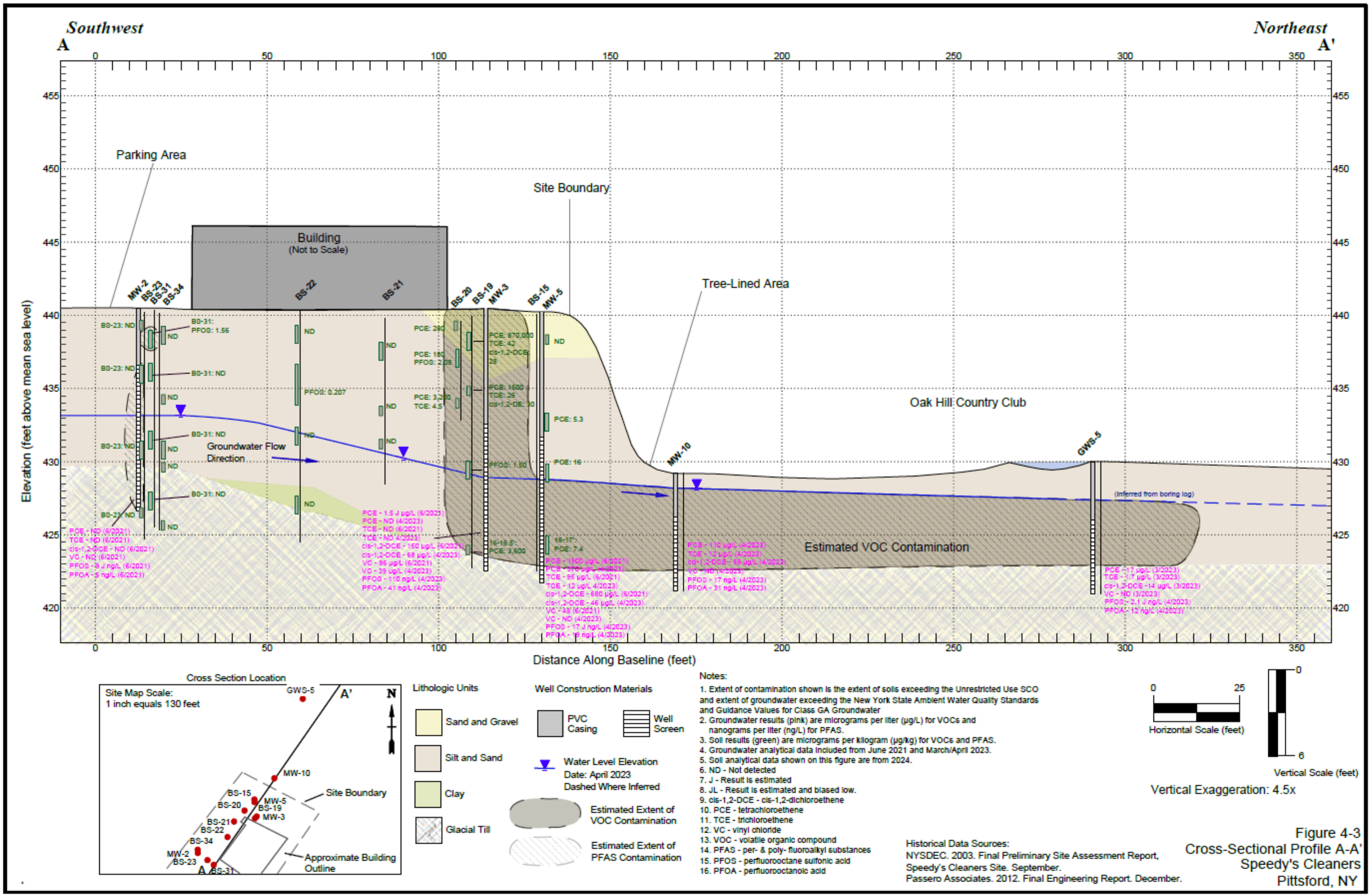


Figure 4-3
Cross-Sectional Profile A-A'
Speedy's Cleaners
Pittsford, NY

STANDARD CROSS SECTION SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 8/14/24 REV.

Northwest B — *Southeast* B'

Building (Not to Scale)

Elevation (feet above mean sea level)

Distance Along Baseline (feet)

BS-20 · MW-3 · BS-19 · BS-28 · BS-27 · BS-18 · BS-26 · MW-7

PCE: 280 · PCE: 180 PFOS: 2.08 · PCE: 3,200 TCE: 45

PCE: 870,000 TCE: 42 cis-1,2-DCE: 28 · PCE: 1,500 TCE: 26 cis-1,2-DCE: 30 · PFOS: 1.50 · PCE: 3,600

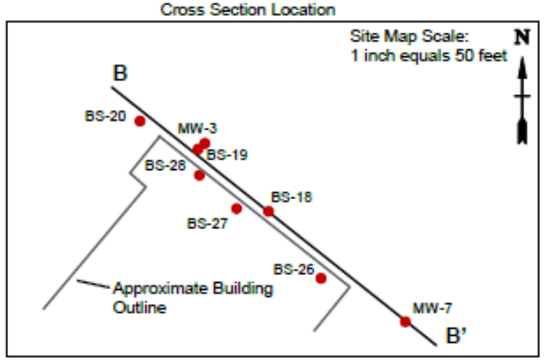
PCE: 180 TCE: 3.9 cis-1,2-DCE: 3.4 · PCE: 940 TCE: 25 cis-1,2-DC: 17 PFOS: 1.24

PCE: 3.3 PFOS: 0.333 · ND · ND · ND

PCE: 12 PFOS: 1.72 · PCE: 220 TCE: 9.7 cis-1,2-DCE: 36 · PCE: 4.1 · PCE: 73 TCE: 37 cis-1,2-DCE: 23

PCE: 33 · PCE: 19 · PCE: 9.8 TCE: 7.5 PFOS: 1.93 · PCE: 7.6

Cross Section Location



Lithologic Units

- Sand and Gravel
- Silt and Sand
- Glacial Till

Well Construction Materials

- PVC Casing
- Well Screen
- Water Level Elevation Date: April 2023
- Estimated Extent of VOC Contamination
- Estimated Extent of PFAS Contamination

Notes:

1. Extent of contamination shown is the extent of soils exceeding the Unrestricted Use SCO.
2. Soil results (green) are micrograms per kilogram (µg/kg) for VOCs and PFAS.
2. Soil analytical data shown on this figure are from 2024.
3. ND - Not detected
4. cis-1,2-DCE - cis-1,2-dichloroethene
5. PCE - tetrachloroethene
6. TCE - trichloroethene
7. VOC - volatile organic compound
8. PFAS - per- & poly-fluoroalkyl substances
9. PFOS - perfluorooctane sulfonic acid
10. PFOA - perfluorooctanoic acid
11. Water level is based on April 2023 reading of MW-03

Horizontal Scale (feet): 0 — 9

Vertical Scale (feet): 0 — 6

Vertical Exaggeration: 1.5x

Historical Data Sources:
NYSDEC. 2003. Final Preliminary Site Assessment Report, Speedy's Cleaners Site. September.
Passero Associates. 2012. Final Engineering Report. December.

Figure 4-4
Cross-Sectional Profile B-B'
Speedy's Cleaners
Pittsford, NY

STANDARD CROSS SECTION_SPEEDYS_SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 8/15/24 REV.

4.1.3 Soil Contamination Extent and Impacts

Site-related VOCs detected in soil included PCE, TCE, and *cis*-1,2-DCE. However, only PCE occurred at concentrations exceeding the NYSDEC Unrestricted Use and Commercial Use SCOs of 1,300 µg/kg and 150,000 µg/kg, respectively. Historically, contaminants detected in soil did not exceed the NYSDEC Commercial Use SCOs with the exception of within the source area located at the northern corner of the building. During the 2024 investigation, the highest levels of VOC contamination were observed at BS-19 and BS-20, both located near the northern corner of the building within the source area.

Samples collected at BH-1 in 1999 within the source area, had a PCE concentration of 748,000 µg/kg from 3 to 4 feet bgs (NYSDEC 2003). Comparatively, during the 2024 field investigation, soil collected from 1 to 2 feet bgs at BS-19, which is located within several feet of BH-1, had a PCE concentration of 870,000 µg/kg. From 4.5 to 5 feet bgs, the depth most closely comparable to the sample depth of BH-1, the PCE concentration at BS-19 was 1,500 µg/kg, which was above the NYSDEC Unrestricted Use SCO, but two orders of magnitude below the maximum PCE concentrations observed in 1999 and 2024 in this area. At the deepest sample interval at BS-19 (16 to 16.5 feet bgs), the PCE concentration was 3,600 µg/kg. At BS-20, located 20 feet northwest of BS-19, the maximum PCE concentration was 3,200 J µg/kg at 6 to 6.5 feet bgs. PCE concentrations were lower (ranging from 180 J to 280 J µg/kg) within the first three feet of the ground surface. Similarly, BS-28, and angled boring located underneath the building, 9 feet south of BS-19, had a maximum PCE concentration of 940 J µg/kg at 5.5 to 7 feet bgs, while a lower concentration of 180 µg/kg was observed at a sample depth of 1 to 2 feet bgs. The sustained high PCE concentrations within this potential source area shows that Site-related VOC concentrations have not naturally decreased with time. This indicates that soils in this area, especially those within the first four feet below the ground surface, may act as a VOC contaminant source to Site groundwater and indoor air quality, if the sub-slab depressurization system was not working properly.

In 1998, high detections of PCE (10,500 µg/kg) were observed from 2 to 4 feet bgs along the northeastern wall of the Speedy's Cleaners building. This sample was collected from the ground adjacent to the building's vent pipes (since removed) at TB-2 (see Figure A-1 in **Appendix A**; NYSDEC 2003). The soil boring installed in 2024 that is nearest to these former vent pipes is BS-18, a vertical boring located 10 feet from the northeastern wall of the building. The maximum PCE concentration at BS-18 was 220 J µg/kg at 5 to 6 feet bgs, with a concentration of 12 J µg/kg near the soil surface (1.5 to 3 feet bgs). While PCE exists in soils at this location, the concentration is two orders of magnitude lower than that of the sample collected in 1998. Additionally, BS-27, an angled boring, was installed along the wall of the building approximately 7 feet to the northwest of the former vent pipes. PCE was only detected at this boring from 3.5 to 4.5 feet bgs at a concentration of 3.3 J µg/kg. While it is unknown if PCE concentrations remain high directly adjacent to the building in the area of the former vent pipes, BS-18 and BS-27 assist in the delineation of the potential former vent pipe source area. Due to the low observed detections, it is unlikely that soils in this area exceed the NYSDEC SCOs or act as a significant continued source of VOC contamination to Site groundwater.

BS-15, located in the northern corner of the Site, and BS-25, BS-26, and BS-27, all located around the eastern corner of the building, had low concentrations of PCE, with a maximum PCE

concentration of 33 µg/kg (BS-26 at 1 to 2 feet bgs). Site-related VOCs were not observed in any soil samples collected from borings adjacent to the northwestern and southwestern walls of the building. Additionally, BS-32, an angled soil boring along the southeastern wall of the building, and BS-16 and BS-17, vertical borings installed 27 feet northeast of the northeastern wall of the building in the RG&E property, had no Site-related VOC detections.

With the exception of PCE, Site-related VOC concentrations were low in all 2024 soil samples (at least one order of magnitude less than the NYSDEC Unrestricted Use SCO and well below the Commercial Use SCO). Detections were concentrated in the soil borings near the northern and northeastern walls of the building and within the RG&E property at the northern end of the Site.

The horizontal extent of VOC contamination across the Site is approximately 35 feet wide, located closest to and between BS-28 and BS-20. Due to refusal encountered during drilling at BS-20 and BS-28 at approximately 6 to 7 feet bgs, the horizontal extent of contamination at depth can be delineated by BS-19, with VOC detections observed up to 16.5 feet bgs. This source area is likely contributing to groundwater contamination, as observed during the 2023 RI investigation (CDM Smith 2023).

Of the PFAS analyzed, NYSDEC has identified SCOs for PFOS and PFOA only. PFOS detected in soils at concentrations exceeding the NYSDEC Unrestricted Use SCO of 0.88 µg/kg occurred at six locations: two within the source area at the northern corner of the building, three within 10 feet of the northeastern wall of the building, and one along the southwestern wall of the building. No PFOS detection exceeded the Commercial Use SCO of 440 µg/kg, and PFOA was not observed in Site soils. All PFOS detections below the NYSDEC Unrestricted Use SCO were identified on the northern half of the Site. The highest PFOS detection (2.08 µg/kg) was collected within the source area at the north corner of the building from BS-20 at 2 to 3 feet bgs. The other source area boring, BS-19, contained a PFOS concentration of 1.50 µg/kg from the sample collected at 10 to 11 feet bgs. Samples collected from borings located within 10 feet of the northeastern wall of the building had PFOS concentrations above the NYSDEC Unrestricted Use SCO, ranging from 1.24 µg/kg at BS-28 (5.5 to 7 feet bgs) to 1.93 µg/kg at BS-26 (8 to 9 feet bgs).

PFOS contamination appears to be collocated with Site-related VOC contamination, which is to be expected, as PFAS were used in dry cleaning operations (ITRC 2023). As shown in **Figure 4-3** and **Figure 4-4**, the horizontal extent of the PFOS contamination is about the same as the estimated extent of Site-related VOC contamination in the source area at the north corner of the building but is slightly wider. PFOS contamination above the NYSDEC Unrestricted Use SCO is present along the northern wall between BS-18 and BS-26; Site-related VOCs are also present within this area, but at concentrations below the NYSDEC SCOs. PFOS contamination above the NYSDEC Unrestricted Use SCO has been delineated in this area, except to the northwest and southeast, directions that are cross-gradient to groundwater flow direction. While full delineation is not complete, the extent of soil contamination in these directions is expected to be limited, and likely does not extend offsite.

Because PFAS samples were collected at only one depth per soil boring, the vertical extent of PFOS and Site-related VOCs cannot be directly compared. However, based on 2024 soil data and 2021 groundwater data, there is evidence that contamination within the source area is likely contributing to the historical groundwater contamination. Only one PFAS sample was collected

below the water table during 2024 soil sampling (14 to 14.5 feet bgs at BS-34), and one PFAS sample was collected below the water table during 2021 field sampling (13 to 14 feet bgs at BS-11, located approximately 6 feet northwest of BS-15). Neither sample contained PFOS detections; however, BS-34 was outside of the area impacted by Site-related VOCs, so this lack of PFOS detection is expected. Lack of elevated PFOS concentrations at BS-11, which is located hydraulically downgradient of the source area at the north corner of the building, implies that PFAS may not remain in saturated soils and may instead be transported with groundwater in the direction of groundwater flow.

One PFOS detection above the NYSDEC Unrestricted Use SCO was observed from 1 to 2 feet bgs at BS-31, located along the southwestern wall of the building. Site-related VOCs were not detected at this soil boring, indicating this source of PFOS contamination may be unrelated to historical dry cleaning operations.

Samples collected for this investigation provide additional data needed to support the delineation of the vertical and horizontal extent of soil contamination. Site-related VOC concentrations above the NYSDEC SCOs have been laterally delineated in soils around the source area at the northern corner of the building in all directions except to the northwest of BS-20, an area that is cross-gradient to groundwater flow. Site-related VOC contamination in soil is not expected to extend offsite. In this source area, VOC contamination has been successfully vertically delineated to the glacial till. Data collected from the source area at the northern corner of the building between 1999 and 2024 demonstrate sustained high PCE concentrations in soil and that Site-related VOC concentrations have not naturally decreased with time. Full assessment of degradation processes would require additional temporal and vertical concentration data. PFOS, which was detected at concentrations above the NYSDEC SCO, is correlated with Site-related VOC contamination. PFOS contamination has been delineated behind the building in all directions except to the northwest and southeast (i.e., cross-gradient to groundwater flow). PFOS contamination in soil is not expected to extend offsite. Temporal trends in PFAS soil concentrations are unknown due to limited PFAS soil sampling at the Site.

Section 5
Contaminant Fate and Transport

Based on the analysis of historical data and data collected during this RI, PCE was identified as having the greatest spatial distribution and highest detected concentrations of all Site-related contaminants. PCE is therefore considered indicative of overall Site-related contamination. Degradation byproducts of PCE (TCE, *cis*-1,2-DCE, and vinyl chloride) are also considered, along with PFOS, which is expected to be correlated with Site-related VOCs because of former dry cleaning use of both classes of compounds. An evaluation of the fate and transport of these contaminants at the Site is presented in this section, with a focus on Site soils. A full discussion of fate and transport of Site-related contaminants in groundwater is presented in the Final RI Report (CDM Smith 2023).

5.1 Environmental Fate and Transport Characteristics of Site-Related VOCs

As indicated by both historical and supplemental RI data, PCE was detected above applicable standards in vadose zone soils at the Speedy's Cleaners Site. The distribution of contaminant impact is influenced by factors such as the physical and chemical properties of the constituents, the nature and location of impacts (as described in Section 4), and Site characteristics, such as geology, hydrology, and topography (as described in Section 3). The principal chemical and physical properties that impact the fate and transport of contaminants in the environment include sorption/desorption, volatilization, infiltration, and vapor intrusion, as well as degradation processes such as biodegradation. The processes described herein may contribute to the natural depletion of source material and related impacts at the Site over time.

5.1.1 Sorption and Desorption

The tendency for contaminants to adsorb to environmental media is called sorption. The degree of sorption that will occur is a function of the chemical properties of the contaminant, as well as the properties of the media through which the contaminant is moving. The presence of organic matter in the aquifer material will facilitate the adsorption of compounds such as hydrocarbons. As groundwater contamination travels downgradient, sorption to downgradient soils may occur. Alternately, contaminants may desorb from soils in the presence of groundwater or precipitation.

Many contaminants tend to adsorb to organic carbon. The tendency of a particular contaminant to adsorb can be indicated by the log of the organic carbon partition coefficient (K_{oc}) of that chemical. The K_{oc} is the ratio of the adsorbed chemical per unit weight of organic carbon to the aqueous solute concentration. A low log K_{oc} (e.g., <1 or 2) suggests that there is potential for the chemical to leach into groundwater or surface water, while a high log K_{oc} (e.g., >4) indicates that the chemical will strongly adsorb to the available organic carbon. Generally, the stronger a chemical is adsorbed, the lower the water solubility. The degree to which the movement of a contaminant is slowed is expressed as a retardation factor which can be calculated if the K_{oc} and

fraction of organic carbon in the aquifer is known. Log K_{oc} ranges and the ability to adsorb to soil are presented in **Table 5-1**.

Table 5-1 Soil Adsorption Values

Log K_{oc}	Sorption to Soil
<1	Very weakly sorbed
1 to 2	Weakly sorbed
2 to 3	Moderately sorbed
3 to 4	Moderately to strongly sorbed
4 to 5	Strongly sorbed
>5	Very strongly sorbed

Source: Agency for Toxic Substances & Disease Registry, 1999.

Log K_{oc} values for Site-related contaminants identified at the Site range from 1.28 (vinyl chloride) to 2.67 (PCE) indicating weakly to moderately sorbed adsorption values.

Finer-grained soils, such as silts typically tend to naturally have elevated levels of organic matter as compared to coarse textured sands and gravels and have significantly higher surface area. Observations during the RI subsurface investigation indicated that the majority of on-site subsurface soils consisted of sand and silt, while the off-site subsurface soils to the northeast of the Site had higher quantities of silt, with sand and gravel. The presence of on-site soils with naturally higher levels of organic content and the presence of weakly to moderately sorbed contaminants at the Site indicate that sorption may be a contributing factor to the reduction of the volume and mobility of VOCs in the subsurface on-site. Despite potentially higher levels of organic content within off-site soils, the weak to moderate ability of the Site-related contaminants to sorb to soils are not considered to be a significant contributing factor to the reduction and mobility of VOCs in the subsurface on- or off-site. Site-related VOCs are likely to desorb from soils into groundwater if there is a concentration gradient between the soil and water phases (high concentration in the soil and low concentration in the groundwater), acting as a source of contamination to Site groundwater.

5.1.2 Volatilization

Vapor pressure is a relative measure of the volatility of a compound in its pure state and is an important factor in the rate of volatilization from contaminated soils to the atmosphere. Volatilization rates are also affected by Site-specific conditions such as temperature, wind speed, and soil conditions. Chemicals with a relatively low vapor pressure and a high affinity for soil are less likely to vaporize and become airborne than those with a high vapor pressure and low affinity for soil.

A related parameter, the Henry's Law constant, is sometimes referred to as the air-water partition coefficient. It is the ratio of the partial pressure of a compound in air to the concentration of the compound in water at a given temperature under equilibrium. When vapor pressure is high relative to water solubility, the Henry's Law constant is high, and the chemical volatilizes to air. If the water solubility is high relative to the vapor pressure, the Henry's Law constant will be low, and the chemical will tend to remain in solution. Some ranges of Henry's Law constants and associated volatilities are listed below.

Table 5-2 Henry's Law Constant Values

Henry's Law Constant (atm-m^3/mol)	Relative Volatility
<1 x 10-7	Non-volatile
1 x 10-7 to 1 x 10-5	Low volatility
1 x 10-5 to 1 x 10-3	Moderate volatility
>1 x 10-3	High volatility

Source: Montgomery 2007

Henry's Law constant values for Site-related contaminants identified range from 4.08 x 10^{-3} atmospheres per cubic meter per mole (atm-m^3/mol; *cis*-1,2-DCE) to 2.78 x 10^{-2} atm-m^3/mol (vinyl chloride). All compounds present in the historic VOC release are characterized by high volatility. Volatilization and subsequent aerobic degradation of VOCs is a significant process reducing the volume and mobility of contamination in soils and groundwater.

Volatilization is expected to be occurring at the Site based on the historic need for an SSDS within the Speedy's Cleaners building, evidenced by high levels of VOCs in indoor air samples and the presence of highly volatile compounds in the groundwater. Detected PID readings collected above the water table interface indicate some presence of volatilization of contaminants, as well.

5.1.3 Infiltration

Organic compounds released at the soil surface as a non-aqueous phase liquid (NAPL) can infiltrate through the vadose zone and into the groundwater if there is enough volume to overcome the capillary pressure of the soils (Pankow and Cherry 1996). Overtime, NAPL in the vadose zone depletes due to continued downward migration, dissolution into rainwater and storm water, and volatilization into soil vapor. NAPL has not been observed in Site soils or groundwater during RI or supplemental RI activities, but high VOC concentrations remain near the ground surface at the source area near the northern corner of the building.

5.1.4 Vapor Intrusion

Site-related VOCs can volatilize from vadose zone soils and shallow groundwater into soil vapor. In the vapor phase, VOCs migrate either under diffusion (along concentration gradients) or due to advection from changes in barometric pressures. Migration occurs radially from sources and can migrate either laterally or vertically upward until some type of barrier is contacted (e.g., pavement or building foundation). VOCs in soil vapor can also migrate along preferential pathways such as utility conduits. If the VOCs in soil vapor are located beneath a building (i.e., sub-slab soil vapor), they can migrate by advection or diffusion into the building through cracks or pathways into the foundation. Vapor intrusion has been identified to be a problem within the building in the past. In 2006, an SSDS was installed to mitigate this exposure pathway.

5.1.5 Biodegradation

Biodegradation is the process by which organic substances are broken down by indigenous or introduced living organisms. The four required elements for biodegradation to occur include nutrients, moisture, an electron donor, and a terminal electron acceptor. Nutrients and moisture are generally readily available in the subsurface. Therefore, the presence of electron donors or terminal electron acceptors is generally the limiting factor in biodegradation.

VOCs, such as those present at the Site, are amenable to aerobic degradation (oxygen as the electron donor) and anaerobic degradation. The persistence of high PCE concentrations in source area soils between 1999 and 2024 indicate there is minimal evidence for sustained biotic or abiotic degradation of PCE in the subsurface at the Site.

5.2 Environmental Fate and Transport Characteristics of PFAS

A current, reliable source of information on fate and transport of PFAS is the Interstate Technology Regulatory Council (ITRC). Excerpts from their online guidance document on PFAS (ITRC 2023) are incorporated below. Factors that influence PFAS fate and transport can be broadly divided into two categories:

- PFAS characteristics: Critical factors include the chain length, the ionic state of the compound (e.g., the charges carried by the molecule at a typical environmental pH), the type of functional groups, and the extent of fluorination (e.g., perfluorinated versus polyfluorinated compounds). These properties strongly influence the type and extent of PFAS partitioning and transformation that can be expected to occur.

- Site characteristics: Site characteristics generally define the nature of the source but also have an effect on PFAS-media interactions. Potentially relevant characteristics include soil type (including properties such as permeability, surface charge, organic carbon content, exchange capacity, minerology, water content), depth to groundwater, oxidation-reduction conditions, precipitation/infiltration rates, surface water and groundwater flow rates, prevailing atmospheric conditions, and the presence of co-contaminants.

Although many PFAS compounds may share similar characteristics, such as resistance to transformation, those same PFAS may have widely varying physical-chemical properties, such as those associated with partitioning. As a result, PFAS fate and transport in the environment can be quite different from other contaminants. Of specific interest to the fate and transport of PFAS is partitioning.

Both hydrophobic partition to organic carbon and electrostatic interactions between charged surfaces and PFAS are critical components as is the tendency of PFAS to aggregate at air-water interfaces. These processes greatly affect migration in the environment by promoting retention within sediments and unsaturated soils, as well as retardation within groundwater. Varying degrees of retention on solids contribute to differential transport where certain PFAS (for example, short-chain, anionic) are more rapidly transported than others.

A number of individual PFAS, such as perfluoroalkyl acids and perfluoroalkyl ether carboxylic acids, are highly persistent due to the strength of the carbon-fluorine bond (C-F) bond. However, a number of polyfluorinated substances can be partially degraded via several different biological and abiotic mechanisms. Transformation of these precursors to perfluoroalkyl acids (PFAAs) has been shown to occur in a variety of environmental media and can result in temporal and spatial trends in PFAS occurrence. The two principal Site-related PFAS compounds are PFOA and PFOS. PFOA is known to be more transmissive in groundwater.

PFAS migration from shallow soils to groundwater is influenced by several interacting processes, which may enhance or limit PFAS leaching rates. The leaching potential will be enhanced in areas

with high water infiltration rates, which may include natural water sources such as precipitation or human-made sources such as irrigation. The thickness of the unsaturated zone (depth to water table) will also affect leaching potential. These factors are consistent with other (non-PFAS) contaminants in shallow soils. Conversely, several PFAS-specific processes potentially limit the extent of PFAS leaching from shallow soil to groundwater. These include partitioning of PFAS to solid phases (i.e., soil particles), adsorption at the air-water interface, and partitioning to NAPL. As a result, any soil properties that enhance the potential relevance of PFAS-sorptive processes may limit soil-to-groundwater leaching. This includes elevated levels of organic carbon, surface area and surface charge, increasing air content, and higher ionic strength within the vadose zone. The structural properties of the individual PFAS also influence their transport, including the tendency for longer chain PFAAs to be less soluble and exhibit larger partitioning coefficients than shorter-chain PFAAs. In addition, several of these partitioning processes within the vadose zone have been shown to be nonlinear, which means that their relative contribution to leaching may change over time as concentrations change as a result of dilution and transformation. Finally, site conditions that influence the degree of flushing (for example, precipitation rates and depth to groundwater) should be considered when evaluating the potential for PFAS to leach from soil to groundwater.

5.3 Environmental Fate of Site-Related Contaminants

The various chemical and physical processes, described in Sections 5.1 and 5.2, impact the environmental fate and transport of Site-related contaminants in Site media and are discussed in this section.

PCE, TCE, *cis*-1,2-DCE, and vinyl chloride have been historically identified in groundwater and soil. PCE was detected above applicable standards in vadose zone soils at the Speedy's Cleaners Site during the 2024 supplemental RI field activities. Data collected from the source area at the northern corner of the building between 1999 and 2024 demonstrate sustained high PCE concentrations. The sustained high PCE concentrations within this potential source area shows that Site-related VOC concentrations in soil have not naturally decreased with time.

PCE and its degradation products are generally mobile in the environment, as well as volatile. Though they weakly to moderately adsorb to soils, when originally released to soil in the liquid state, compounds would be expected to immediately begin to vaporize due to their high volatilities. The fraction moving through the soil would either sorb to the soil or infiltrate through the vadose zone at a rate depending on the hydraulic conductivity of the soils. VOCs would partition between the liquid phase (soil moisture) and the vapor phase (soil gas), before leaching into the groundwater. Since VOCs are generally only moderately soluble in water, dissolved contamination can remain, which has been observed in Site monitoring wells; DNAPL has not been observed in Site wells. In the dissolved state the degree of sorption to soil is dependent on the amount of organic carbon present in the soil. The dissolved phase of the VOCs is expected to flow downgradient with low to moderate retardation, as evidenced by the detection of Site-related contaminants in the groundwater hydraulically downgradient of the Site.

Historically, PCE and its degradation products were detected in on-site monitoring wells at much higher levels than those observed during the 2021 RI activities. Therefore, there is evidence that VOCs at the Site have been reduced in groundwater over time. Additionally, the RI data indicate

that the groundwater plume does not have a large lateral spread and is understood to be relatively long and narrow. The vertical extent of the plume has not been fully delineated to the northeast given the spatial distribution of historical and current data.

Due the presence of the densely packed clays of the glacial till unit, significant vertical migration of the on-site contamination is not expected. High levels of VOCs have been historically observed in soils and remain at similar levels within the first two feet of soils within the source area at the northern corner of the building. Concentrations of VOCs above the screening criteria remain at depth (16 to 16.5 feet bgs) in this area but are two orders of magnitude lower than concentrations within surficial soils.

PFAS are considered emerging contaminants as they have only recently been recognized as Site-related contaminants in groundwater and soils. Analytical methods and understanding of fate and transport are evolving. Historically, the two most predominant PFAS compounds detected at the Site are PFOS and PFOA; however, there are a multitude of other PFAS compounds that were detected during the RI and supplemental RI which may exhibit a variety of fate and transport characteristics.

PFAS concentrations in soils were highest at soil borings collected from within the source area at the northern corner of the building, and concentrations exceeding the screening criteria were observed in soil borings adjacent to the northeastern wall of the building. At each location, PFAS screening criteria exceedances were correlated with Site-related VOC detections, indicating PFAS and VOC contamination are related. In 2021, PFAS concentrations in groundwater were highest at on-site monitoring well MW-3 in this same source area and decreased by one order of magnitude at the hydraulically downgradient off-site screening location GWS-5. The concentration of PFAS in groundwater, in general, is expected to attenuate in the absence of a continuing source from dry cleaning operations. These processes are discussed in detail in the 2023 Final RI Report (CDM Smith 2023). Some changes in the composition and ratio of the PFAS compounds may occur. Similar to VOCs, data indicate that the groundwater plume does not have a large lateral spread and is understood to be relatively long and narrow. The vertical extent of the plume has not been fully delineated to the northeast given the spatial distribution of historical and current data. Monitoring of groundwater can be used to identify potential future changes in the PFAS plume.

5.4 Conceptual Site Model

The following discussion presents the CSM for soil and groundwater at the Site.

5.4.1 Physical Setting

The Speedy's Cleaners portion of the Site is covered by asphalt pavement, concrete-covered sidewalks, and concrete building slabs. The RG&E portion of the Site is primarily covered with large, tightly packed gravel. A vadose zone between approximately 6 and 15 feet thick exists at the Site. Soils consist of fill material, underlain by lacustrine deposits of silt, sand, gravel, and clay. Glacial till begins approximately 10.5 to 17.5 feet bgs on-site. Vertical DPT borings encountered refusal between 7 and 19 feet bgs on-site due to the dense, tightly compacted nature of the till. Because of its low porosity, the substrate was typically moist to dry at refusal depths. Bedrock was not encountered. While Site-specific testing has not been performed, hydraulic conductivity for glacial till is typically very low (less than 1 ft/day) and slightly higher for silty lacustrine

deposits (up to 6 ft/day; Domenico & Schwartz 1990). Groundwater flows to the northeast, flowing from the Site to the Oak Hill Country Club property (Figures B-1 and B-2 in **Appendix B**).

5.4.2 Contaminant Sources, Migration Pathways, and Fate

5.4.2.1 Contaminant Sources

The Site sustained releases of PCE to the ground over time due to poor operating practices by Speedy's Cleaners (NYSDEC DER 2012). According to the *Florida Statewide PFAS Pilot Study at Dry Cleaning Sites* report prepared by HSW Engineering, Inc. (HSW) in 2021, potential release rates of PFAS from dry cleaning operations would depend on the type and age of laundered clothes and the operational practices of the facility. PFAS releases to the environment would be expected to closely mimic that of chlorinated solvents in dry cleaning practices (i.e., waste material spills, mop water discharges, separator water discharges, etc.). Upon release, PFAS may remain in the unsaturated zone where high organic carbon content in the matrix exists and subsequently migrate into the saturated zone from precipitation events. The PFAS groundwater plume and PFAS detections in soils are generally co-located with chlorinated solvents in the vicinity of the facility, providing supporting evidence that elevated PFOA/PFOS are associated with the dry cleaning sites (HSW 2021).

A confirmed source area of contamination on the RG&E property is the area by the northern corner of the building, which may have been used for cleaning dry cleaning filters (NYSDEC 2003). Once dry cleaning operations ceased on-site in 1993, direct releases to the ground near the northern corner likely ceased. However, soils with Site-related VOC concentrations exceeding the NYSDEC Unrestricted Use and Commercial Use SCOs remain in this area and act as a current contaminant source to Site groundwater. A potential source area may exist along the northeastern wall adjacent to the former vent pipes (see Figure A-1 in **Appendix A**). Borings installed near this area in 2024 included BS-18 and BS-27. The maximum PCE concentration observed in samples collected from these borings was 220 J µg/kg (at BS-18 from 5 to 6 feet bgs), which is substantially lower than the NYSDEC Unrestricted Use SCO of 1,300 µg/kg for PCE. It is unlikely that soils in this area exceed the NYSDEC SCOs or act as a significant continued source of contamination to Site groundwater.

In 2006, an SSDS was installed to reduce soil vapor intrusion within the building (Passero 2012) and has been operational ever since. This system acts as a mitigation measure for indoor air but is not a method of remedial action for contaminated soils and groundwater.

A UST seeping free product near the western corner of the building was a former source of Site contamination (**Figure 1-2**). However, this UST has since been removed and the soils surrounding the area remediated; therefore, this source is unrelated to the VOC contamination to the north of the building addressed by this report.

5.4.2.2 Contaminant Migration Pathways and Fate

The fate of a constituent in the environment is a function of its chemical properties and the physical nature of the Site. The following bullets are key points regarding contaminant fate and migration at the Site, with a focus on Site soils. Contaminant fate and migration in groundwater are detailed in the Final RI Report (CDM Smith 2023).

- Contaminant migration pathways include release mechanisms at the Speedy's Cleaners Site, impacts to and leaching from shallow soils, and transport in groundwater. Prior soil and groundwater sampling identified such pathways.
- Soils within the source area at the northern corner of the building (i.e., the only location with VOC concentrations above NYSDEC Unrestricted Use and Commercial Use SCOs) likely contribute contamination to Site groundwater via desorption processes. However, as historical groundwater VOC concentrations appear to be decreasing, discharge from the contaminated soils within the vadose zone does not appear to be high enough to sustain an expansion of the VOC plume in groundwater. Soils collected at other sampling locations had limited VOC contamination and are unlikely to contribute substantial impacts to groundwater.
- PCE concentrations in soils within the source area at the northern corner of the building remained stable between 1999 and 2024. In samples collected in 2024 from this area, TCE, *cis*-1,2-DCE, and vinyl chloride concentrations were two to four orders of magnitude lower than PCE concentrations or not detected at all. Based on this evidence, it can be assumed that natural biodegradation processes that break down PCE have not been occurring at significant rates at the Site.
- Downward migration of Site-related VOC contamination from the source area near the northern corner of the building and the potential source area near the former vent pipes is likely an active pathway because the area is primarily covered by gravel where rainwater can easily percolate through the soil.
- NAPL has not been observed at the Site.
- VOC soil impacts were observed from the soil surface to the glacial till within the source area at the northern corner of the building. PCE is expected to moderately sorb to saturated soils.
- PCE in groundwater may volatilize and sorb to soils of the vadose zone (approximately 6 to 15 feet thick). Sub-surface soils have been found to release soil vapor into the Speedy's Cleaners building, requiring the need for the SSDS to mitigate this contamination pathway. This pathway is likely insignificant in remediated and low concentration soils but may occur as contaminants travel with groundwater flow. Due to the moderate solubility of some Site-related compounds, it is likely contamination is leaching from the soils into the groundwater.
- Soils collected from five sample locations within the source area at the northern corner of the building and adjacent to the northeastern wall of the building and from one sample along the southwestern wall of the building contained PFOS concentrations above the NYSDEC Unrestricted Use SCOs. PFOS is known to adsorb to organic material in soil particles and be retained within the vadose zone where there is air-filled pore space. In 2021, samples collected from wells within the source area at the northern corner of the building and adjacent to the northeastern wall of the building contained PFOS and PFOA

concentrations above their respective screening criteria. PFAS in soil is likely to have the potential to act as a source for PFAS in groundwater.

- It is not known if the PFOS concentrations in soils are stable due to the limited number of sampling events over time.
- It is assumed that PFOS contamination was released during dry cleaning operations since elevated PFOS levels frequently coincide with elevated levels of VOC contamination.
- Two cross-sectional profiles (i.e., **Figure 4-3** displaying A-A' running from southwest to northeast and **Figure 4-4** displaying B-B' running from northwest to southeast) were developed to support the CSM and provide a general understanding of Site-related VOC and PFAS contamination extent and transport in soil and groundwater. As shown in **Figure 4-3**, the vertical extent of the Site-related VOC and PFAS contamination extends from the ground surface to the top of the glacial till. Additionally, southwest-northeast horizontal migration of Site-related VOCs and PFAS extend from the Site to approximately 200 feet downgradient along the axis of groundwater flow. Because of the limited number of downgradient wells, the horizontal extent and the lowermost vertical extent of the VOCs and PFAS contamination beyond 200 feet are not clearly defined. As shown in **Figure 4-4**, the vertical extent of the Site-related VOC contamination extends from the ground surface to the top of the glacial till and of PFAS contamination extends from the ground surface to the top of the water table. PFAS samples were not collected below the water table at soil borings displayed on this figure.

5.4.3 Receptors

The primary receptors that would be exposed to Site-related contamination are occupants of buildings situated above the regions of contaminated groundwater and soil. PCE vapor has the potential to migrate from the subsurface into the buildings. Based on the direction of groundwater flow, only the Speedy's Cleaners building would likely be affected. The Speedy's Cleaners building has an operational SSDS to mitigate and address this potentially complete exposure pathway. The Oak Hill Country Club is the building closest to the Site to the northeast and is approximately 0.6 miles away, likely well away from the northeastern extent of contamination based on current data.

According to the United States Geological Survey (USGS) national water resource tracking system, there are three private wells within one mile of the Site. The wells vary in depth from 48 to 100 feet bgs. However, no further information on the use of the wells is available (NYSDEC 2003). The wells are located well beyond the extent of the contamination plume, and shallow groundwater potentially containing contaminants from the Site-related plume would likely establish a stationary or retreating front before reaching any potable wells. The entire Site area is serviced by public water supply. The Oak Hill Country Club uses surface water to irrigate its golf course, and the irrigation supply intake is approximately 0.6 miles downstream of the Site. VOCs were not detected in surface water 0.2 miles upstream of this intake in 2002 (NYSDEC 2003). Shallow groundwater is expected to discharge to streams and other waterbodies near the Site. Regionally, groundwater discharges to Lake Ontario.

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Section 6

Findings, Data Gaps, Conclusions, and Recommendations

6.1 Findings

Findings from the supplemental RI activities include the following:

- Following completion of the 2024 soil sampling, the current extent of the Site-related VOCs in on-site soils was documented based on soil samples collected between ground surface and the glacial till (approximately 16.5 feet bgs) at 20 soil borings located around the Speedy's Cleaners building and within the RG&E property behind the building. The only Site-related VOC contaminant detected above the NYSDEC SCOs was PCE. Its degradation products, TCE and *cis*-1,2-DCE, were detected below the NYSDEC SCOs, and vinyl chloride was not detected in any Site soil sample. Concentrations of PCE exceeded the NYSDEC Unrestricted Use by up to two orders of magnitude and exceeded the NYSDEC Commercial Use SCO by approximately 700,000 µg/kg.

- VOC contamination within Site vadose zone soils is present within a source area at the northern corner of the building and on the RG&E property at sample locations within 10 feet of the northeastern wall of the building.

- A source area of contamination has been positively identified at the northern corner of the building, a location that was once used to clean dry cleaning filters, and contamination has been observed from the ground surface to the glacial till (NYSDEC 2003). The only concentrations of VOCs that were above the NYSDEC SCOs occurred in this area at BS-19 and BS-20. These exceedances occurred in samples collected from 1 to 2 feet bgs, 4.5 to 5 feet bgs, 6 to 6.5 feet bgs, and 16 to 16.5 feet bgs. Additionally, Site-related VOCs were detected at concentrations below the NYSDEC SCOs in samples collected from 0 to 0.5 feet bgs and 2 to 3 feet bgs. PCE concentrations above the NYSDEC SCOs ranged from 1,500 µg/kg to 870,000 µg/kg, and likely act as an existing source of contamination to Site groundwater. Site-related VOC contamination has been delineated laterally in all directions except to the northwest and has been delineated vertically to the glacial till. The area to the northwest of the source area is cross gradient to groundwater flow, and Site-related VOC contamination in soil is not expected to extend offsite.

- A potential source area of contamination previously identified in the Final RI Report was the northeastern wall adjacent to the former vent pipes (see Figure A-1 in **Appendix A**). Borings installed near this area in 2024 included BS-18 and BS-27. The maximum PCE concentration observed in samples collected from these borings was 220 J µg/kg (at BS-18 from 5 to 6 feet bgs), which is substantially lower than the NYSDEC Unrestricted Use SCO of 1,300 µg/kg for PCE. It is unlikely that soils in this area exceed the NYSDEC SCOs or act as a significant continued source of contamination to Site groundwater.

Over a span of 25 years (1999 to 2024), PCE has persisted at high concentrations in soil samples collected within the source area at the northern corner of the building. In 1999, BH-1, a soil sample collected in this area, had a PCE concentration of 748,000 µg/kg at 3 to 4 feet bgs. In 2024, the PCE concentrations at BS-19 was 870,000 µg/kg from 1 to 2 feet bgs. While there is variation in depth between these samples, the maximum observed PCE concentration has remained similar throughout this time.

- PCE concentrations in soils varied with depth. For example, PCE concentrations were 870,000 µg/kg at 1 to 2 feet bgs, 1,500 µg/kg at 4.5 to 5 feet bgs, non-detect at 10 to 11 feet bgs, and 3,600 µg/kg at 16 to 16.5 feet bgs at BS-19, which is located within the source area near the northern corner of the building. Additionally, PCE concentrations were 12 J µg/kg at 1.5 to 3 feet bgs, 220 J µg/kg at 5 to 6 feet bgs, 4.1 J µg/kg at 8 to 8.5 feet bgs, and 73 J µg/kg at 12 to 12.5 feet bgs at BS-18, which is located outside of the source area.

- Site-related VOCs were detected at angled borings BS-26, BS-27, and BS-28, with a maximum concentration of PCE (940 J µg/kg) from 5.5 to 7 feet bgs at BS-28. No concentrations of Site-related VOCs detected in soil underneath the building were above the NYSDEC SCOs for unrestricted use.

- The current extent of the PFAS in on-site soils was documented based on soil samples collected between ground surface and the water table at 20 soil borings located around the Speedy's Cleaners building and within the RG&E property behind the building. Concentrations of PFOS exceeded the NYSDEC Unrestricted Use SCO by up to one order of magnitude. PFOS concentrations did not exceed the NYSDEC Commercial Use SCO in any samples. In cases where PFAS samples were collected below the water table, PFOS was not detected; however, elevated PFOS concentrations in soils may act as a source to Site groundwater. PFOA was not detected in any soil samples.

- PFAS contamination within Site vadose zone soils exceeding the NYSDEC Unrestricted Use SCO is present within the source area at the northern corner of the building, on the RG&E property at one sample location (BS-18) within 10 feet of the northeastern wall of the building, at angled borings (B-26 and BS-28) along the northeastern wall of the building, and at one angled boring (BS-31) along the southwestern wall of the building. PFOS contamination appears to be correlated with Site-related VOC contamination in the source area and along the northeastern wall of the building and has been delineated laterally in all directions except to the northwest and southeast, directions that are cross-gradient to groundwater flow direction. While full delineation is not complete, the extent of soil contamination in these directions is expected to be limited and likely does not extend offsite. PFOS contamination is not correlated with Site-related VOC contamination at BS-31 along the southwestern wall. It is assumed that PFAS contamination was released during dry cleaning operations (ITRC 2023) and that elevated PFAS levels frequently coincide with elevated levels of VOC contamination.

- Exceedances of the NYSDEC Unrestricted Use SCO in PFOS samples were observed between 1 to 2 feet bgs and 10 to 11 feet bgs. Although it is not possible to fully vertically

characterize PFOS concentrations in soils at individual borings, it is possible that PFOS-impacted soils extend from the ground surface to the water table.

- PCE, PFOS, and acetone were the only analytes detected in groundwater that had corresponding soil concentrations that exceeded NYSDEC Unrestricted Use SCOs. Of those three analytes, PCE and PFOS had concentrations in groundwater that exceeded their respective NYSDEC AWQS. Additionally, PCE was the only analyte detected in soil that exceeded the Unrestricted Use SCO and the Commercial Use SCO. TCE and *cis*-1,2-DCE were detected in groundwater at concentrations that exceeded their respective NYSDEC AWQS; however, their concentrations in soil were below the Unrestricted Use SCOs.

6.2 Data Gaps

Data gaps illuminated through the supplemental RI activities include the following:

- The northwestern extent of VOC contamination at the source area at the northern corner of the building has not been laterally delineated. It is unknown how far VOC contamination exceeding the NYSDEC SCOs extends to the northwest, however it is unlikely Site-related VOC contamination in soil extends offsite. Furthermore, it is unknown if contamination reaches the glacial till in this area, as refusal was encountered at approximately 7 feet bgs at BS-20 during soil boring installation. A sample collected from the deepest interval, 6 to 6.5 feet bgs, at BS-20 contained a PCE concentration of 3,200 J µg/kg, which is above the NYSDEC Unrestricted Use SCO. The sample collected from 16 to 16.5 feet bgs at BS-19, 20 feet southeast of BS-20, contained a PCE concentration exceeding the NYSDEC Unrestricted Use SCO, indicating soil contamination reaches the glacial till depth in this area.
- The northwestern and southeastern extent of PFOS contamination above the NYSDEC Unrestricted Use SCO has not been laterally delineated. While full delineation is not complete, the extent of soil contamination in these directions is expected to be limited and likely does not extend offsite.
- PFAS samples were collected at only one sample interval per soil boring, and NYSDEC Unrestricted Use SCO exceedances were observed between 1 to 2 feet bgs and 10 to 11 feet bgs. PFAS soil data are limited in vertical extent.

6.3 Conclusions

Conclusions from the supplemental RI activities include:

- PCE concentrations above the NYSDEC SCOs were observed only in soils within the source area at the northern corner of the building, which has been delineated in all directions except northwest of BS-20. Site-related VOC contamination is highest at the surface within this area but extends to the glacial till (approximately 16.5 feet bgs). The soil contamination within this area acts as a sustained source of contamination to groundwater. PCE concentrations have remained high in the source area at the northern corner of the building between 1999 and 2024. TCE and *cis*-1,2-DCE were observed at low concentrations in soil samples collected for this supplemental RI, indicating natural

degradation of PCE may be occurring. The primary mass transport mechanisms of Site-related VOCs are likely desorption from soils, volatilization, dissolution into groundwater, and advection in groundwater. As precipitation percolates through the soils, PCE may desorb from soil particles, enter the groundwater aquifer at the water table, then travel offsite via advective transport with groundwater to the northeast, as described in the Final RI Report (CDM Smith 2023). PCE and its degradation products, TCE and *cis*-1,2-DCE, exist in soils in the northern portion of the Site outside of the identified source area, but concentrations were below NYSDEC SCOs.

- PFOS concentrations above the NYSDEC Unrestricted Use SCO were observed in vadose zone soils within the source area at the northern corner of the building and on the RG&E property at three sample locations along the northeastern wall of the building and were correlated with the presence of Site-related VOCs, indicating this PFOS contamination may be a result of former dry-cleaning operations. The lateral PFOS extent in this area has been delineated in all directions except to the northwest and southeast, cross gradient of groundwater flow. PFOS contamination in soil likely does not extend offsite. A PFOS concentration above the NYSDEC Unrestricted Use SCO was also observed at one sample location along the southwestern wall of the building. Site-related VOCs were not present within this soil boring, implying the source of this PFOS contamination may be independent of historical dry cleaning operations. PFAS-impacted soils appear to extend from the ground surface to the approximate depth of the water table, although more data would be necessary to fully characterize the vertical extent. As precipitation percolates through Site soils, PFAS may desorb from soil particles and enter Site groundwater, then traveling offsite with to the northeast in the direction of groundwater flow. These processes are more likely to occur along the back of the building, where the ground is covered in gravel. Impacted soils along the southwestern wall are covered by asphalt, an impermeable barrier that does not allow water to percolate through the soils and partition PFAS into the dissolved phase.

- All VOC detections in angled soil borings collected underneath the building were less than the NYSDEC SCO for unrestricted use, indicating contamination from the source area has not migrated below the building and VOCs should not affect indoor air quality. PFOA was not detected in any angled soil borings, and all PFOS detections were below the NYSDEC SCO for commercial use.

6.4 Recommendations

Based on the results of this supplemental RI, sufficient characterization of Site soil contamination was completed to prepare an FS. The uncertainty surrounding the northwestern boundary of Site-related VOC contamination and northwestern and southeastern boundaries of PFOS contamination above the NYSDEC SCOs in soils can be accommodated in the FS. It is unlikely soil contamination extends outside of the Site boundary based on the transport mechanisms of Site-related VOCs and PFOS. During the pre-design phase of the remedial design, confirmation soil samples should be collected along the northwestern edge of the Site adjacent to the source area at the northern corner of the building and at the southeastern edge of the Site adjacent to BS-26. These samples will allow for full delineation of the Site soil contamination surrounding the source area. CDM Smith recommends proceeding with preparation of the FS for soils remediation.

Section 7
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Appendix A

Historical Report Reference Tables and Figures

Tables

- *Table A-1 2005 - Soil - VOCs* (Passero 2012a)
- *Table A-2 2005 - Soil - SVOCs* (Passero 2012a)
- *Table A-3 2005 - Soil - Metals* (Passero 2012a)
- Table A-4 *2005 - Soil - Petroleum Products* (Passero 2012a)
- Table A-5 *2005 - Soil - Pesticides* (Passero 2012a)

Figures

- *Figure A-1 Site Map* (NYSDEC 2003)
- *Figure A-2 VOCs Detected in Groundwater* (NYSDEC 2003)
- *Figure A-3 Soil Samples – Location & Result* (Passero 2012a)

Tables

TABLE A-1

Table: 7 – 2005 – Soil - VOCs						
Sample ID **Sample Depth** **Sampling Date** **units**	**BH-1** **6'-8'** **7/14/05** **ppm**	**BH-2** **2'-6'** **7/13/05** **ppm**	**BH-3** **2'-6'** **7/13/05** **ppm**	**BH-4** **8'-10'** **7/13/05** **ppm**	**Part 375-6.8(a): Unrestricted Use SCO** **ppm**	*** Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance** **ppm**
Methylene chloride	0.045	0.016	0.021	0.025	0.05	500
Acetone	**0.310 E****	0.007 J	ND	**0.058**	0.05	500
Carbon Disulfide	0.005 J	ND	ND	0.002 J	NS	NS
2-Butanone	0.120	ND	ND	0.010	NS	NS
Ethylbenzene	0.006	ND	ND	ND	1	1
Total Xylenes	0.017	ND	ND	ND	0.26	1.6
Cyclohexane	0.042 J	ND	ND	ND	NS	NS
Methylcyclohexane	0.200	ND	ND	ND	NS	NS
Isopropylbenzene	0.120	ND	ND	ND	NS	2.3
Trichloroethene	ND	0.003 J	ND	ND	0.47	0.47
Tetrachloroethene	ND	0.670 D	0.005	0.004	1.3	1.3
cis-1,2-Dichloroethene	ND	0.003 J	ND	ND	0.25	500
Total TICs	6.480	0	0	0	NS	NS
Total VOCs	7.355	0.699	0.026	0.099	100	500
* For analytes that are present in Site groundwater, the quantity is compared to the lower of the Restricted Use SCOs for Protection of Public Health for Commercial use or the Protection of Groundwater. For analytes that are not present in the Site groundwater the quantity is compared to the Restricted Use SCOs for Protection of Public Health for Commercial use.						
** The analyte Acetone exceeded the linear range of the calibration curve for sample BH-1, 6-8. Due to a laboratory oversight, this was not realized until after the holding time had expired, so reanalysis was not possible. The value is reported with an "E" flag.						
SCO: Soil Cleanup Objective						
ND: Non Detect						
NS: No Standard						
Bold: Quantity exceeds Unrestricted SCO						
Bold: Quantity exceeds Restricted SCO						
J: estimated value						
E: concentrations exceed the calibration range of the instrument						
D: secondary dilution factor						

TABLE A-2

Table: 8 - 2005 - -Soil-SVOCs						
Sample ID **Sample Depth** **Sampling Date** **units**	**BH-1** **6'-8'** **7/14/05** **ppm**	**BH-2** **2'-6'** **7/13/05** **ppm**	**BH-3** **2'-6'** **7/13/05** **ppm**	**BH-4** **8'-10'** **7/13/05** **ppm**	**Part 375-6.8(a): Unrestricted Use SCO**	*** Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance**
Napthalene	2.700	ND	ND	0.021 J	12	500
2-Methylnaphthalene	11.000 D	ND	ND	0.023 J	NS	NS
Acenaphthylene	0.230 J	ND	ND	0.069 J	100	500
Acenaphthene	0.340 J	ND	ND	0.037 J	NS	98
Dibenzofuran	ND	ND	ND	0.062 J	NS	NS
Flourene	1.300	ND	ND	0.110 J	30	386
Phenanthrene	2.000	0.092 J	ND	0.620	100	500
Anthracene	0.350 J	0.011 J	ND	0.140 J	100	500
Carbazole	ND	0.012 J	ND	0.082 J	NS	NS
Di-n-butyl phthalate	ND	ND	0.014 J	0.020 J	NS	NS
Fluoranthene	0.110 J	0.200 J	ND	0.810	NS	500
Pyrene	0.420	0.190 J	ND	0.760	100	500
Benzo (a) anthraene	0.038 J	0.096 J	ND	0.510	1	5.6
Chrysene	0.057 J	0.140 J	ND	0.510	NS	56
Benzo (b) fluoranthene	0.032 J	0.190 J	ND	0.490	1	5.6
Benzo (k) fluoranthene	0.013 J	0.076	ND	0.190 J	NS	56
Benzo (a) pyrene	0.025 J	0.130 J	ND	0.400 J	1	1
Indeno (1,2,3-cd) pyrene	0.017 J	0.140 J	ND	0.270 J	0.5	5.6
Dibenzo (a,h) anthracene	ND	0.040 J	ND	0.087 J	0.33	0.56
Benzo (ghi) perylene	0.018 J	0.160 J	ND	0.270 J	NS	500
Total TICs	50.940	1.440	1.060	7.004	NS	NS
Total SVOCs	69.590	2.917	1.074	13.595	100	500

* For analytes that are present in Site groundwater, the quantity is compared to the lower of the Restricted Use SCOs for Protection of Public Health for Commercial use or the Protection of Groundwater. For analytes that are not present in the Site groundwater the quantity is compared to the Restricted Use SCOs for Protection of Public Health for Commercial use.

ND: Non Detect

NS: No Standard

Bold: Quantity exceeds Unrestricted SCO

Bold: Quantity exceeds Restricted SCO

J: estimated value

E: consentrations exceed the calibration range of the instrument

D: secondary dilution factor

TABLE A-3

Table: 9 – 2005 - -Soil-Metals

Sample ID Sample Depth Sampling Date units	BH-1 6'-8' 7/14/05 ppm	BH-2 2'-6' 7/13/05 ppm	BH-3 2'-6' 7/13/05 ppm	BH-4 8'-10' 7/13/05 ppm	Table 375 Unrestricted Use ppm	* Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance ppm
Aluminum	7,280 E J	6,030 E J	6,120 E J	7,290 E J	NS	10,000
Arsenic	2.5 N * J	2.6 N * J	2.4 N * J	4.7 N * J	13	16
Barium	81.6	29.9	28.2	53.4	350	400
Beryllium	0.37	0.27	0.27	0.34	7.2	590
Cadmium	0.55	0.28	0.21	0.47	2.5	9.3
Calcium	5,160 *	36,200 *	10,300 *	11,600 *	NS	NS
Chromium	10.6 J	8.0 J	7.6 J	9.3 J	30	1,500
Cobalt	4.4 E	4.4	5.0 E	4.7 E	NS	NS
Copper	16.9 N *	11.0 N *	9.5 N *	22.1 N *	50	270
Iron	11,100 E J	10,900 E J	10,900 E J	10,700 E J	NS	NS
Lead	14.3 E *	4.0 E *	3.4 E *	55.7 E *	63	1,000
Magnesium	2,270	9,420	3,710	5,370	NS	NS
Manganese	ND	ND	ND	ND	1.6	2,000
Mercury	0.055	ND	ND	ND	0.18	2.8
Nickel	9.1	9.6	10.5	10.3	30	130
Potassium	569 E	861 E	882 E	814 E	NS	NS
Selenium	0.94	ND	ND	ND	3.9	1,500
Sodium	422	242 J	120 J	269 J	NS	NS
Vanadium	13.5 E	13.0 E	12.2 E	14.2 E	NS	NS
Zinc	55.9 N E * J	23.6 N E * J	24.2 N E * J	86.9 N E * J	109	2,480

* For analytes that are present in Site groundwater, the quantity is compared to the lower of the Restricted Use SCOs for Protection of Public Health for Commercial use or the Protection of Groundwater. For analytes that are not present in the Site groundwater, the quantity is compared to the Restricted Use SCOs for Protection of Public Health for Commercial use.

ND: Non Detect
NS: No Standard
Bold: Quantity exceeds Unrestricted SCO
Bold: Quantity exceeds Restricted SCO
J: value greater than or equal to instrument detection limit but less than quantitation limit
E: value estimated or not reported due to the presence of interferences
N: spike sample recovery is not within the quality control limits
* correlation coefficient for the Method of Standard Addition is less than 0.995

TABLE A-4

Table: 10 - 2005 Soil-Petroleum Products				
Sample ID **Sample Depth** **Sampling Date** **units**	**BH-1** **6'-8'** **7/14/05** **ppm**	**BH-2** **2'-6'** **7/13/05** **ppm**	**BH-3** **2'-6'** **7/13/05** **ppm**	**BH-4** **8'-10'** **7/13/05** **ppm**
Mineral Spirits	ND	ND	ND	7.4
Other-1	1500	ND	ND	ND
ND: Non Detect				
?				
Bold: Quantity exceeds Unrestricted SCO				

TABLE A-5

Table: 11 - 2005 Soil-Pesticides					
Sample ID **Sample Depth** **Sampling Date** **units**	**BH-1** **6'-8'** **7/14/05** **ppm**	**BH-2** **2'-6'** **7/13/05** **ppm**	**BH-3** **2'-6'** **7/13/05** **ppm**	**BH-4** **8'-10'** **7/13/05** **ppm**	**Table 375 Unrestricted Use** **ppm**
4,4'-DDE	ND	ND	ND	0.001 J P	0.0033
Endrin ketone	ND	ND	ND	0.00089	NS
Alpha-Chlordane	ND	0.00087 J	ND	ND	0.094
Gamma Chlorodane	ND	0.00052 J P	ND	ND	NS
ND: Non Detect					
NS: No Standard					
Bold: Quantity exceeds Unrestricted SCO					
J: value greater than or equal to instrument detection limit but less than quantitation limit					
P: greater than 25% difference for detected concentrations between two GC columns					

Figures

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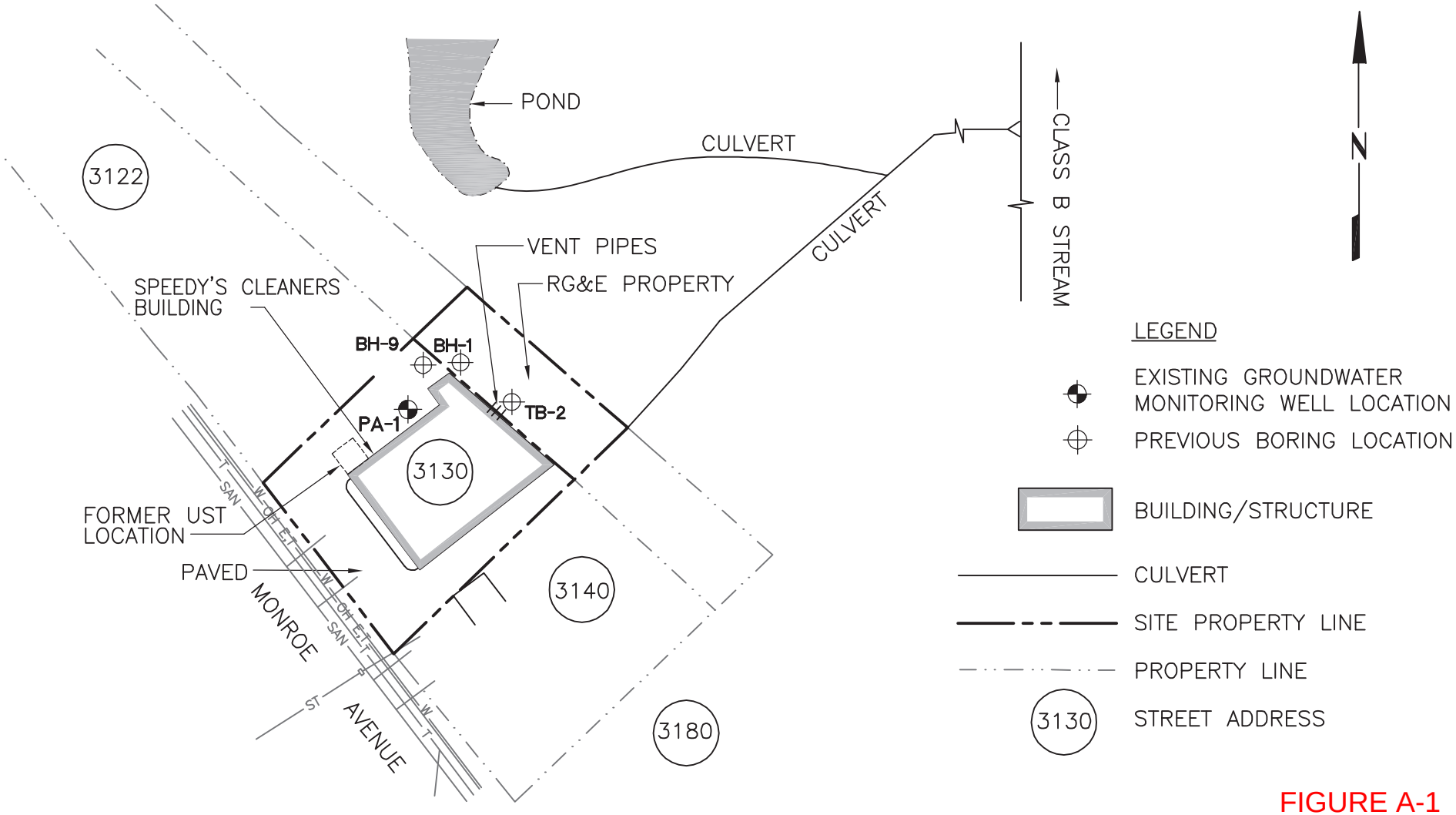

FIGURE A-1

FIGURE 2-1
SITE MAP
PRELIMINARY SITE ASSESSMENT REPORT
SPEEDY'S CLEANERS SITE
PITTSFORD, NEW YORK
Harding Lawson Associates

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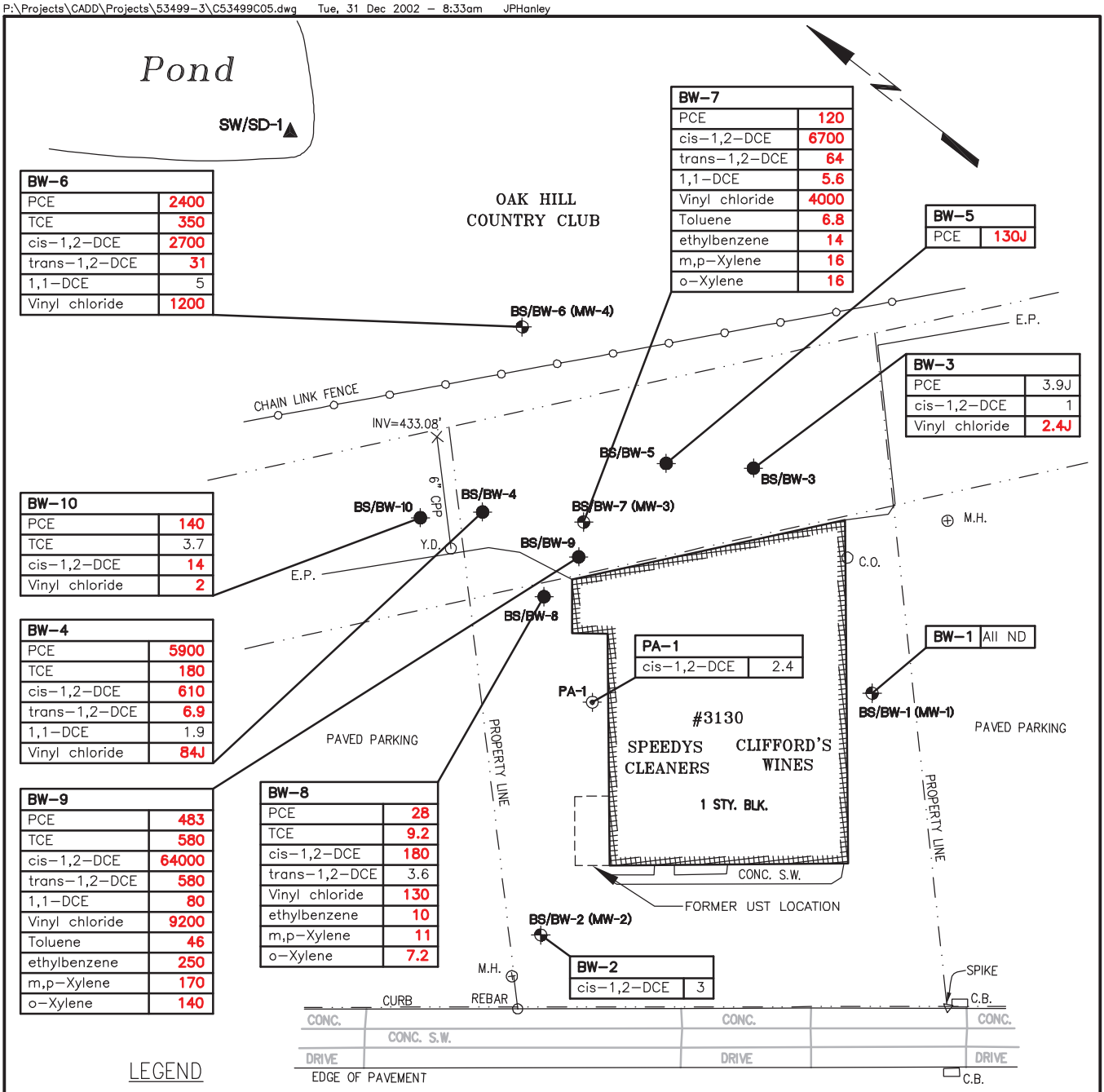


LEGEND

PA-1	2 INCH MONITORING WELL
BS/BW-1 (MW-1)	1 INCH MICROWELL
BS/BW-10	BORING LOCATION
SW/SD-1	SURFACE WATER & SEDIMENT SAMPLE LOCATION
M.H.	MAN HOLE
Y.D.	YARD DRAIN
	BUILDING LINE
C.B.	CATCH BASIN
C.O.	CLEAN OUT
	CHAIN LINK FENCE
	PROPERTY LINE
E.P.	EDGE OF PAVEMENT

NOTES:

SAMPLE RESULTS IN MICROGRAMS PER LITER. RESULTS ARE MAXIMUM ON-SITE RESULTS PER BORING.

2400 - RESULTS IN RED EXCEED NEW YORK STATE CLASS GA GROUNDWATER STANDARDS

0 20 40

Scale in feet

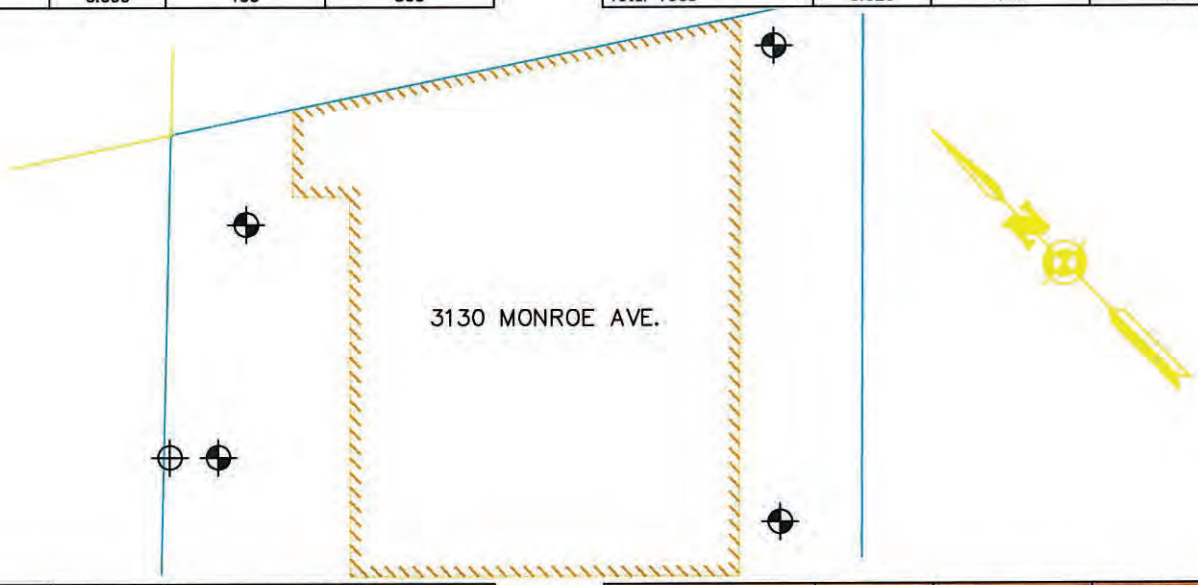
FIGURE A-2

FIGURE 4-1
VOCs DETECTED IN GROUNDWATER
PRELIMINARY SITE ASSESSMENT REPORT
SPEEDY'S CLEANERS SITE
PITTSFORD, NEW YORK

Harding Lawson Associates

Sample ID Sample Depth Sampling Date units	BH-2 2'-6' 7/13/05 ppm	Part 375-6.8(a): Unrestricted Use SCO	* Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance
Methylene chloride	0.016	0.05	500
Acetone	0.007 J	0.05	500
Carbon Disulfide	ND	NS	NS
2-Butanone	ND	NS	NS
Ethylbenzene	ND	1	1
Total Xylenes	ND	0.26	1.6
Cyclohexane	ND	NS	NS
Methylcyclohexane	ND	NS	NS
Isopropylbenzene	ND	NS	2.3
Trichloroethene	0.003 J	0.47	0.47
Tetrachloroethene	0.670 D	1.3	1.3
cis-1,2-Dichloroethene	0.003 J	0.25	500
Total TICs	0	NS	NS
Total VOCs	0.699	100	500

Sample ID Sample Depth Sampling Date units	BH-3 2'-6' 7/13/05 ppm	Part 375-6.8(a): Unrestricted Use SCO	* Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance
Methylene chloride	0.021	0.05	500
Acetone	ND	0.05	500
Carbon Disulfide	ND	NS	NS
2-Butanone	ND	NS	NS
Ethylbenzene	ND	1	1
Total Xylenes	ND	0.26	1.6
Cyclohexane	ND	NS	NS
Methylcyclohexane	ND	NS	NS
Isopropylbenzene	ND	NS	2.3
Trichloroethene	ND	0.47	0.47
Tetrachloroethene	0.005	1.3	1.3
cis-1,2-Dichloroethene	ND	0.25	500
Total TICs	0	NS	NS
Total VOCs	0.026	100	500



Sample ID Sample Depth Sampling Date units	BH-1 6'-8' 7/14/05 ppm	Part 375-6.8(a): Unrestricted Use SCO	* Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance
Methylene chloride	0.045	0.05	500
Acetone	0.310 E**	0.05	500
Carbon Disulfide	0.005 J	NS	NS
2-Butanone	0.120	NS	NS
Ethylbenzene	0.006	1	1
Total Xylenes	0.017	0.26	1.6
Cyclohexane	0.042 J	NS	NS
Methylcyclohexane	0.200	NS	NS
Isopropylbenzene	0.120	NS	2.3
Trichloroethene	ND	0.47	0.47
Tetrachloroethene	ND	1.3	1.3
cis-1,2-Dichloroethene	ND	0.25	500
Total TICs	6.480	NS	NS
Total VOCs	7.355	100	500

Sample ID Sample Depth Sampling Date units	BH-4 8'-10' 7/13/05 ppm	Part 375-6.8(a): Unrestricted Use SCO	* Part 375-6.8(b) Restricted Commercial Use SCO and CP-51 Soil Cleanup Guidance
Methylene chloride	0.025	0.05	500
Acetone	0.058	0.05	500
Carbon Disulfide	0.002 J	NS	NS
2-Butanone	0.010	NS	NS
Ethylbenzene	ND	1	1
Total Xylenes	ND	0.26	1.6
Cyclohexane	ND	NS	NS
Methylcyclohexane	ND	NS	NS
Isopropylbenzene	ND	NS	2.3
Trichloroethene	ND	0.47	0.47
Tetrachloroethene	0.004	1.3	1.3
cis-1,2-Dichloroethene	ND	0.25	500
Total TICs	0	NS	NS
Total VOCs	0.099	100	500

FIGURE A-3

Passero Associates
100 Liberty Pole Way, Rochester, NY 14604
585-325-1000 FAX: 585-325-1691
www.passero.com
Engineering Surveying
Architecture Planning

Project:	SPEEDY'S CLEANERS BCP FIGURE 4 SOIL SAMPLES - LOCATION & RESULT JULY 13 & 14, 2005	Scale: 1" 30' Date: 03-28-2012 PIC: John Caruso, P.E. PM: Ed Freeman, P.L.S.
Client:	SPEEDY'S CLEANERS SITE PITTSFORD, NEW YORK SITE NO. 8-28-109	Designer: R.D.C. Project No. 99000018.0015

S:\ENVIRO ESA TECH\45-12-043\CHRISTOPHER WILLIAMS AGENCY\99018.15\DRAWINGS\RAW, FINAL MONROE AVE NO 3130 FIGURE 2.DWG 11/12/2012 10:56 AM Ryan Burke

Appendix B

Groundwater Elevations and Potentiometric Contours

Tables

- *Table B-1 Groundwater Elevations - August 2021* (CDM Smith 2023)
- *Table B-2 Groundwater Elevations - April 2023* (CDM Smith 2023)

Figures

- *Figure B-1 Potentiometric Surface Contours - August 2021* (CDM Smith 2023)
- *Figure B-2 Potentiometric Surface Contours - April 2023* (CDM Smith 2023)

Tables

Table B-1
Groundwater Elevations - August 2021
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Well ID	Inner Casing Elevation (ft NAVD88)	Well Diameter (in)	Approximate Screened Interval (ft bgs)	Collection Date	Water Level (ft btic)	Water Level Elevation (ft NAVD88)	Well Condition/Notes
MW-2	440.47	1	3.9-13.9	8/18/2021	6.98	433.49	Good
MW-2B	440.00	Unknown		8/18/2021	11.32	428.68	Good
MW-3	440.41	1	7.9-17.9	8/18/2021	11.99	428.42	Good
MW-3B	439.42	Unknown		8/18/2021	10.74	428.68	Good, no bolts
MW-4B	440.58	Unknown		8/18/2021	8.61	431.97	Good
MW-5	439.92	2	8.5-18.5	8/18/2021	12.07	427.85	New
MW-6	439.67	2	8-18	8/18/2021	11.55	428.12	New
MW-7	438.55	2	7-17	8/18/2021	10.50	428.05	New
MW-8	438.98	2	7-17	8/18/2021	10.77	428.21	New

Notes:
1. Vertical datum of elevations is based on North American Vertical Datum of 1988 (NAVD88).
bgs - below ground surface
btic - below top of inner casing
ft - feet
ID - identification
in - inches

Table B-2
Groundwater Elevations - April 2023
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Well ID	Inner Casing Elevation (ft NAVD88)	Well Diameter (in)	Approximate Screened Interval (ft bgs)	Collection Date	Water Level (ft btic)	Water Level Elevation (ft NAVD88)	Well Condition/Notes
MW-2	440.15	1	3.9-13.9	4/4/2023	6.63	433.52	Good condition
MW-2B	440.00	Unknown		4/4/2023	10.50	429.50	Good condition. Object found in well.
MW-2C	440.28	Unknown		4/4/2023	4.50	435.78	Good condition. Unusual well plug.
MW-3	440.06	1	7.9-17.9	4/4/2023	11.22	428.84	Good condition
MW-3B	439.42	Unknown		4/4/2023	9.30	430.12	Good condition
MW-4B	440.58	Unknown		4/4/2023	7.57	433.01	Good condition. No well plug.
MW-5	439.92	2	8.5-18.5	4/4/2023	11.00	428.92	Good condition
MW-6	439.67	2	8-18	4/4/2023	9.61	430.06	Good condition
MW-7	438.55	2	7-17	4/4/2023	8.60	429.95	Good condition
MW-8	438.98	2	7-17	4/4/2023	9.62	429.36	Good condition
MW-9	438.58	2	9-19	4/4/2023	10.14	428.44	Good condition
MW-10	429.50	2	3-8	4/4/2023	1.20	428.30	Good condition. No well plug.
MW-11	433.21	2	3-13	4/4/2023	4.30	428.91	Good condition

Notes:
1. Vertical datum of elevations is based on North American Vertical Datum of 1988 (NAVD88).
bgs - below ground surface
btic - below top of inner casing
ft - feet
ID - identification
in - inches

Figures

Note:
1. Groundwater elevations were calculated based on synoptic water level measurements collected on August 18, 2021.
2. The groundwater elevations are in North American Vertical Datum 1988.

1 inch = 33 feet

0 15 30 60 Feet

N

Figure B-1
Potentiometric Surface Contours - August 2021
Speedy's Cleaners Site Pittsford, New York

CDM Smith

wertwa F:\Speedy's Cleaners\GIS\MXD\Figure3-3 Potentiometric Contour Surface.mxd 10/20/2021

Note:
1. Groundwater elevations were calculated based on synoptic water level measurements collected on April 4, 2023.
2. The groundwater elevations are in North American Vertical Datum 1988.

1 inch = 33 feet

0 15 30 60 Feet

N

Figure B-2
Potentiometric Surface Contours - April 2023
Speedy's Cleaners Site
Pittsford, New York

CDM Smith

wertwa F:\Speedy's Cleaners\GIS\MXD\Figure 3-4 Potentiometric Contour Surface - 2023.mxd 7/19/2023

Appendix C

Supplemental RI Soil Boring Logs

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-15**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133837.82 Feet EASTING: 1426398.75 Feet
G.S. ELEVATION: 440.08 Feet M.P. ELEV: 440.075
INITIAL DTW: TOTAL DEPTH: 17.5 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		FILL	FILL. Brown/black, dry, loose, silt - sand - gravel mixture.			3.8		
		ML	SILT. Brown/tan, dry, soft,, some poorly graded, fine sand.		2.6			
			NO RECOVERY					
5		ML	SILT. Brown, moist, soft, some poorly graded fine sand, trace course sub-rounded gravel, cohesive.		3.9	1.2	435	
			NO RECOVERY					
10		ML	SILT. Brown, moist, soft, trace fine sand, cohesive.		3.3	13.8	430	
			NO RECOVERY					
		SM	SILTY SAND. Brown, wet, loose, silty sand, trace clay, cohesive.		4			
15		ML	SILT. Brown, wet, loose silt, some sand, trace rounded gravel.			25.5	425	
		ML	SANDY SILT. Brown, wet, loose, poorly-graded medium sand.		1.5			
		TILL	TILL, dry, brown, dense, silt, sand, gravel, various particle sizes of subangular to sub-rounded gravel.					
			End of boring at 17.5'					

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SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-16**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133822.49 Feet EASTING: 1426414.20 Feet
G.S. ELEVATION: 439.94 Feet M.P. ELEV: 439.942
INITIAL DTW: TOTAL DEPTH: 17.5 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ML	SILT. Brown, dry, loose, some poorly graded fine sand, trace course sub-rounded gravel.		2.7	3.7		
			NO RECOVERY					
5		SM	SILTY SAND. Brown, moist, soft, trace sub-angular gravel, cohesive.		4	4.3	435	
10					4	363.6	430	
		ML	SILT. Black, moist, soft, high odor, trace angular gravel.		2.3			
		ML	SANDY SILT. Tan, dry, loose, silt and sand, trace angular gravel.					
15			NO RECOVERY				425	
		ML	SILT. Brown, moist, medium-dense, trace poorly graded fine sand, trace angular gravel.		1.5			
		TILL	TILL. Dry, dense, sand, gravel, various particle size and sharpe gravel.					
			End of boring at 17.5					

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SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-17**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133808.51 Feet EASTING: 1426431.05 Feet
G.S. ELEVATION: 439.74 Feet M.P. ELEV: 439.743
INITIAL DTW: TOTAL DEPTH: 16.0 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ML	SANDY SILT. Brown, dry, loose, silt and medium sand, trace sub-angular gravel.		2.4	0 0		
			NO RECOVERY			0		
5		ML	SILT. Brown, dry, soft, trace fine sand, trace angular gravel, cohesive.			0 0	435	
		SP	POORLY GRADED SAND. Brown, moist, loose, poorly graded fine sand, little silt, slightly cohesive.		4	3.3		
10		SM	SILTY SAND. Brown, moist to wet, loose, cohesive, trace sub-rounded gravel.		4		430	
		ML	SILT. Gray, moist, soft, little poorly-graded fine sand, trace clay, cohesive, high odor.			89.9		
		ML	SILT. Brown/gray, moist, some fine sand, trace rounded gravel.		3	25.8		
15			NO RECOVERY				425	
			End of boring at 16'				420	

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-18**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133792.96 Feet EASTING: 1426424.31 Feet
G.S. ELEVATION: 439.53 Feet M.P. ELEV: 439.526
INITIAL DTW: TOTAL DEPTH: 16.8 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT	ASPHALT: Sub-base, sand and gravel mixture					
		ML	SILT. Brown, moist, soft, trace poorly-graded fine sand, trace brick.		3.3	1.2		
			NO RECOVERY					
		ML						
		SP	SILT. Brown, moist, soft, some fine-medium SAND, trace sub-rounded gravel.				435	
5		SP	POORLY GRADED SAND. Brown, dry, loose, poorly graded fine sand, trace course angular gravel.			3.7		
		SM			2.9			
			POORLY GRADED SAND WITH SILT. Brown/black, moist, loose, medium sand and silt, trace sub-rounded gravel.					
			NO RECOVERY					
		ML	SANDY SILT. Brown, moist, loose, silt and fine sand, heavy solvent odor, cohesive.			112.4		
		ML						
			SILT. Tan, dry, soft, silt, some fine sand, trace course sub-rounded gravel.				430	
10			NO RECOVERY		1.3			
		ML	SILT. Tan/black, dry, soft, silt, some fine sand, trace, course sub-rounded gravel.			8.8		
			NO RECOVERY		1.7		425	
15								
			NO RECOVERY					
			End of boring at 16.8'				420	

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SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-19**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133812.50 Feet EASTING: 1426402.21 Feet
G.S. ELEVATION: 439.97 Feet M.P. ELEV: 439.965
INITIAL DTW: TOTAL DEPTH: 17.2 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SP SM	POORLY GRADED SAND WITH SILT. Brown, dry, loose fine sand and silt, trace gravel.			5.5		
			NO RECOVERY		1.7			
		ML	SILT. Brown, moist, soft, silt, trace course, sub rounded gravel, cohesive.			4.8		
5							435	
			NO RECOVERY		1.5			
		ML	SILT. Brown, moist, soft, silt, trace fine sand, cohesive.					
10					3		430	
		SP SM	POORLY GRADED SAND WITH SILT. Black, wet, fine sand and silt, heavy odor, petroleum sheen.			162.8		
			NO RECOVERY					
		SM	SILTY SAND. Brown/tan, wet, soft, trace clay, heavy odor, slight pertolium sheen.			150.3		
					2.9			
15							425	
			NO RECOVERY					
		CL ML	SILTY CLAY. Tan/gray, wet, soft, cohesive, heavy odor and obvoius petroleum sheen.			193.4		
		TILL	TILL. Dry, dense, silt-gravel-sand mixture with various gravel size particles.		1.2			
			End of boring at 17.2'					

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

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SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-20**
NYSDEC

STARTED: 6/17/24 COMPLETED: 6/17/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133821.27 Feet EASTING: 1426383.99 Feet
G.S. ELEVATION: 439.62 Feet M.P. ELEV: 439.618
INITIAL DTW: TOTAL DEPTH: 6.8 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT					
		ML	SILT. Brown, moist, soft, some rounded gravel and medium sand			15.3		
		ML	SILT. Brown, moist, soft, trace fine sand, little to no coarse grained material.			2.1 1		
		ML	SILT. Brown, moist, soft, some fine sand, trace brick fragments.		3.1	1.2 8		
			NO RECOVERY			0		
5		SM	SILTY SAND. Brown, moist, soft, trace sub-angular gravel.		2.8	0 2	435	
			End of boring at 6.8'				430	

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SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-21**
NYSDEC

STARTED: 6/17/24 COMPLETED: 6/17/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133804.97 Feet EASTING: 1426368.47 Feet
G.S. ELEVATION: 439.78 Feet M.P. ELEV: 439.783
INITIAL DTW: TOTAL DEPTH: 11.3 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
			ASPHALT			3.1		
		ML	SILT. Brown, dry, soft, some medium sand, trace angular gravel (fill)			3.1		
		ML	SILT. Dark Brown, moist, soft, trace sand, trace clay.		4	3.1		
						3.7		
		SM	SILTY SAND. Brown, moist, trace angular gravel.			3.7	435	
5		SM	SILTY SAND. Brown, dry, lose, trace angular gravel.		2.5			
			NO RECOVERY			3.9		
		ML	SILT. Dark, brown moist, soft, trace clay, solvent odor		2.3	134.8	430	
10			End of boring at 11.3'				425	

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-22**
NYSDEC

STARTED: 6/17/24 COMPLETED: 6/17/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133781.81 Feet EASTING: 1426358.64 Feet
G.S. ELEVATION: 440.33 Feet M.P. ELEV: 440.331
INITIAL DTW: TOTAL DEPTH: 15.8 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
			ASPHALT. Sub base			6.3	440	
		ML	SILT. Brown, moist, soft, some fine sand, trace angular gravel			4.8		
		ML	SILT WITH GRAVEL. Brown, moist, medium dense, silt and gravel mix, angular gravel		2.4	5.4 6.2		
			NO RECOVERY			5.3 5.1 4.5		
5		SM	SILTY SAND. Brown, moist, soft, trace angular gravel.		2.2		435	
			NO RECOVERY					
		ML	SILT. Black, wet, soft, some low-plasticity clay.			121.6		
10			NO RECOVERY		1		430	
		CL ML	SILTY CLAY. Brown/black, wet, soft, cohesive.			50.6 83.4		
15		TILL	TILL. Gray/tan, dense, dry, silt, with rounded to angular gravel, trace medium sand.		3.8		425	
			End of boring at 15.8'					

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-23**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133747.38 Feet EASTING: 1426328.79 Feet
G.S. ELEVATION: 440.20 Feet M.P. ELEV: 440.2
INITIAL DTW: TOTAL DEPTH: 15.5 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT	ASPHALT. Asphalt (0-0.3), sub-base (0.3-1.1) sand and gravel mix.			30.5	440	
		ML	SILT. Brown, moist, soft, trace fine sand, slightly cohesive		2.8	0.4		
			NO RECOVERY					
5		SM	SILTY SAND. Brown, moist, soft, cohesive		2.4	3.1	435	
			NO RECOVERY					
		ML	SILT. Dark Brown, moist, soft, trace fine sand, cohesive.					
10		SP SM	POORLY GRADED SAND WITH SILT. Brown, wet, loose, poorly graded, fine sand and silt, slightly cohesive.		3		430	
			NO RECOVERY					
		ML	SILT. Gray, wet, dense, some fine medium sand, trace, sub rounded gravel.					
		ML	SILT. Gray, dry, dense, some fine medium sand, trace, sub rounded gravel.		3.5			
15		TILL	TILL. Gray, wet, dense, till, sand, silt, and gravel mixture, various sized gravel particles.				425	
			End of boring at 15.5'					

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SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-24**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133712.78 Feet EASTING: 1426346.98 Feet
G.S. ELEVATION: 440.26 Feet M.P. ELEV: 440.257
INITIAL DTW: TOTAL DEPTH: 15.2 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT			1.1	440	
		SPHALT	ASPHALT. Sub-base, sand, gravel mixture (fill).					
		SP SM	POORLY GRADED SAND WITH SILT. Brown, moist, loose, poorly grade, medium sand, some silt, slightly cohesive, slightly dilatent		2.8			
			NO RECOVERY			1.5		
		SM	SILTY SAND. Brown, moist, soft, trace brick, trace angular gravel.			0.7		
5		ML	SILT. Brown, moist, soft, cohesive, trace clay.		2.6		435	
			NO RECOVERY					
		SM	SILTY SAND. Brown, moist, soft, trace clay, cohesive.			0.6		
10		SP SM	POORLY GRADED SAND WITH SILT. Gray, wet, loose, poorly graded fine sand and silt.		3.3		430	
			NO RECOVERY					
		ML	SILT. Brown/gray, wet, sift, trace clay, trace sub-rounded gravel, cohesive.			0.1		
		TILL	TILL. Gray, dry, dense, silt, sand, various gravel particle mixture.		3.2			
15			End of boring at 15.2'				425	

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

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SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-25**
NYSDEC

STARTED: 6/18/24 COMPLETED: 6/18/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133733.99 Feet EASTING: 1426423.33 Feet
G.S. ELEVATION: 440.55 Feet M.P. ELEV: 440.548
INITIAL DTW: TOTAL DEPTH: 17.0 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT						
		SP	ASPHALT			1.3	440	
		SP	POORLY GRADED SAND. Fill, brown, dry, loose, poorly graded, fine sand, some angular gravel.					
		SP	POORLY GRADED SAND. Brown, moist, loose, poorly graded fine sand, clean trace silt.		2.9			
			NO RECOVERY					
		SP	POORLY GRADED SAND. Brown, moist, loose, poorly graded fine sand, clean trace silt.					
5		ML	SILT. Brown/tan, mottled, moist, soft silt, trace clay from 7.7-8.		4	1	435	
		SP SM	POORLY GRADED SAND WITH SILT. Brown, wet, loose, poorly graded fine sand and silt.					
10		ML	SILT. Brown, moist, soft, some poorly graded fine sand, cohesive.		4	0	430	
		SM	SILTY SAND. Brown, wet, soft, cohesive.		4			
15		ML	SILT. Brown/gray, mottled, wet, stiff, some fine sand, trace sub-angular gravel.				425	
		TILL	TILL. dry, brown, dense, silt, sand, various particle size gravel.		1	0		
			End of boring at 17'					

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

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SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-26**
NYSDEC

STARTED: 6/20/24 COMPLETED: 6/20/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133771.97 Feet EASTING: 1426440.77 Feet
G.S. ELEVATION: 439.49 Feet M.P. ELEV: 439.491
INITIAL DTW: TOTAL DEPTH: 17.7 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT. Black, tillings			0		
		ML	SILT. Brown, moist, soft, trace fine sand.			0		
						0		
						0	435	
5						0		
						0		
						0		
		SPHALT	ASPHALT. Black, dry, loose, asphalt tillings (borehole collapse most likely)					
		ML	SILT. Gray, moist, soft, little fine sand, true low plasticity clay			63.9		
							430	
10			NO RECOVERY					
		SM	SILTY SAND. Brown, moist, soft, cohesive			73.2		
						0		
			NO RECOVERY			0		
						0	425	
15		ML	SILT. Brown/gray, mottled, wet, stiff, some fine sand, trace sub-angular gravel			0		
						0		
		ML	SILT. Brown, moist, firm, trace low plasticity clay, cohesive			0		
		TILL	TILL. Dry, brown, dense, silt - sand - gravel, various sized gravel					
			End of boring at 17.7'				420	

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

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SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-27**
NYSDEC

STARTED: 6/19/24 COMPLETED: 6/19/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133793.85 Feet EASTING: 1426414.30 Feet
G.S. ELEVATION: 439.76 Feet M.P. ELEV: 439.755
INITIAL DTW: TOTAL DEPTH: 12.6 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT	ASPHALT. Tilling and sub-base					
		SM	SILTY SAND. Brown, moist, loose, trace angular gravel		2.6			
		SP SM	POORLY GRADED SAND WITH SILT. Brown, moist, loose, poorly graded fine sand and silt, trace angular gravel.		2.6	5.8		
5							435	
		SM	SILTY SAND. Brown, moist, loose, some angular gravel, cohesive.		2.6	161.6		
		ML	SILT. Brown, moist, soft, some poorly graded fine sand, high odor					
		SP	POORLY GRADED SAND. Brown, moist, loose, poorly-graded fine sand, some silt, trace angular gravel.		2.6	121.3		
10							430	
		SM	SILTY SAND. Gray/Black, wet, soft, high odor, heavy sheen.			116.9		
		ML	SILT. Tan, moist, soft, trace fine sand, trace angular gravel, high odor, no sheen.		2.6	139.8		
			End of boring at 12.6'					
							425	

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-28**
NYSDEC

STARTED: 6/19/24 COMPLETED: 6/19/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133804.32 Feet EASTING: 1426402.62 Feet
G.S. ELEVATION: 439.97 Feet M.P. ELEV: 439.967
INITIAL DTW: TOTAL DEPTH: 7.1 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT. Black, dry, asphalt tillings, and sub-base			10.9		
		ML	SANDY SILT. Brown, moist soft, silt, some poorly graded fine sand, cohesive.		2.6			
5		ML	SANDY SILT. Brown, moist soft, silt, poorly graded fine sand, cohesive.		2.6		435	
		SM	SILTY SAND		1.9	33.6		
			End of boring at 7.1'					

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-29**
NYSDEC

STARTED: 6/20/24 COMPLETED: 6/20/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133782.27 Feet EASTING: 1426368.32 Feet
G.S. ELEVATION: 440.28 Feet M.P. ELEV: 440.28
INITIAL DTW: TOTAL DEPTH: 8.6 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT. Sub base					
		ML	SILT. Brown, moist, soft, trace fine sand			0		
5		ML	SILT. Brown, moist, soft, trace angular gravel			0		
		ML	SILT. Brown, moist, soft, trace fine sand, trace large sub-rounded gravel.			0		
			CONCRETE					
			End of boring at 8.6'					

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-30**
NYSDEC

STARTED: 6/19/24 COMPLETED: 6/19/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133771.66 Feet EASTING: 1426353.75 Feet
G.S. ELEVATION: 440.39 Feet M.P. ELEV: 440.388
INITIAL DTW: TOTAL DEPTH: 17.2 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT. Sub base					
		ML	SANDY SILT. Brown, moist, soft, silt, some poorly graded fine sand, trace angular gravel		2.6	0.3		
		SM	SILTY SAND. Brown, moist, soft, trace angular gravel, trace brick.		2.6			
5		ML	SILT. Brown/dark brown, moist, soft, little poorly graded fine sand, trace angular gravel				445	
		ML	SILT. Brown/gray, moist, medium density, little high plasticity clay, cohesive.			195.5		
10		SM	SILTY SAND. Brown, moist, soft, wet at 11 ft, cohesive.			98.4		
15		TILL	TILL. Dense, mixture of silt, sand, and various grain sizes of gravel.					
			End of boring at 17.2'					

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-31**
NYSDEC

STARTED: 6/20/24 COMPLETED: 6/20/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133740.17 Feet EASTING: 1426342.39 Feet
G.S. ELEVATION: 440.25 Feet M.P. ELEV: 440.252
INITIAL DTW: TOTAL DEPTH: 14.8 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT	ASPHALT. Sub base			35.3		
		SP	POORLY GRADED SAND. Brown, moist, loose, fine sand, trace silt, trace angular gravel		3.2			
		SP	POORLY GRADED SAND. Brown/black, moist, loose, medium to coarse sand, some sub angular gravel, trace silt.			119.9		
5		SM	SILTY SAND. Brown, moist, soft, trace course rounded gravel, slightly cohesive.		3.3	0	445	
		SP	POORLY GRADED SAND. Gray, moist, loose, medium to coarse sand, and angular gravel.		2.5			
		SM	SILTY SAND. Light brown, moist, soft, trace sub-rounded gravel.					
10		SM	SILTY SAND. Brown, wet, loose, some large angular to rounded gravel.		3.4	0 0		
		TILL	TILL. Dry, dense, mixture of silt and sand, various grain size and shape gravel.			0 0		
15			End of boring at 14.8'					

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-32**
NYSDEC

STARTED: 6/20/24 COMPLETED: 6/20/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133719.29 Feet EASTING: 1426401.06 Feet
G.S. ELEVATION: 440.66 Feet M.P. ELEV: 440.656
INITIAL DTW: TOTAL DEPTH: 17.7 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT	ASPHALT. Sub base					
		SP	POORLY GRADED SAND. Brown, moist, loose, firm, sand, some sub-rounded gravel.			0 0 0		
5		SM	SILTY SAND. Gray/brown, moist, soft, trace angular gravel, cohesive.			0 0 0 0	445	
		SM	SILTY SAND. Gray/brown, moist, soft, trace low plasticity clay.			0 0		
		CONCRETE	CONCRETE			0		
10		SM	SILTY SAND. Gray, moist, soft, no clay content			0 25.5 105.7		
15		TILL	TILL			48.3		
			End of boring at 17.7'					

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-33**
NYSDEC

STARTED: 6/19/24 COMPLETED: 6/19/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133782.02 Feet EASTING: 1426338.04 Feet
G.S. ELEVATION: 440.12 Feet M.P. ELEV: 440.123
INITIAL DTW: TOTAL DEPTH: 17.4 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		SPHALT	ASPHALT. Brown/black, sub-base				440	
		ML	SILT. Brown/black, moist, soft, trace brick, trace angular gravel.		3.4	3.8		
			NO RECOVERY					
		SP	POORLY GRADED SAND. Dark brown, moist, fine to medium sand, some silt, trace sub-rounded gravel.					
5		SP				104.3	435	
		ML	POORLY GRADED SAND. Tan, dry, loose, poorly graded medium sand, and angular gravel.		2.6			
			SANDY SILT. Dark brown, moist, silt and firm sand, heavy odor, some dark staining.					
			NO RECOVERY					
		ML	SILT. Black, wet/moist, soft silt, little poorly graded medium sand.			98.2		
10		ML	SILT. Light brown, moist, soft, silt, some medium sand, trace sub angular gravel.		3.4		430	
			NO RECOVERY					
		ML	SILT. Brown, moist, soft, trace fine sand and gravel.			35.7		
		ML	SANDY SILT. Tan, moist, medium dense, silt and fine sand, transistions to course sand and gravel from 15.5-16.		4			
15						128.6	425	
		ML	SILT. Brown, moist, soft, heavy odor, cohesive.					
		TILL	TILL. Dense, various grain sizes.					
			End of boring at 17.4'					

CDM Smith
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Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

PROJECT: Speedy's Cleaners
LOCATION: Pittsford, NY

SOIL BORING NO: **BS-34**
NYSDEC

STARTED: 6/19/24 COMPLETED: 6/19/24
DRILLING COMPANY: Northnagle
DRILLING EQUIPMENT: GEOPROBE 7822 DT
DRILLING METHOD: DPT, 2-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 1133762.90 Feet EASTING: 1426314.20 Feet
G.S. ELEVATION: 440.11 Feet M.P. ELEV: 440.109
INITIAL DTW: TOTAL DEPTH: 14.8 Feet
LOGGED BY: M. Renko
HORIZONTAL DATUM: NAD83, COORD. SYS.: NY State Plane - West
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE
		ASPHALT	ASPHALT				440	
		ML	SANDY SILT. Fill, dry, silt and fine sand, trace angular gravel					
		ML	SILT. Black, moist, soft, trace rounded gravel, trace brick.		2.5	0		
			NO RECOVERY					
5		ML	SILT. Black/brown, moist, soft, trace poorly-graded fine sand.		2.4	0	435	
			NO RECOVERY					
		SP	POORLY GRADED SAND. Brown, wet, loose, firm, trace silt, becomes more dense at 10 ft.		4	0		
10						0	430	
		TILL	TILL. Gray, dense, dry, silt - sand - gravel mixture, various particle sized gravel, tightly packed.		2.8	0		
15			End of boring at 14.8'				425	

CDM Smith
3 Lear Jet Ln
Suite 100N
Latham, NY 12100

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING - SPEEDYS SPEEDYS CLEANERS.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 9/10/24 REV.

Appendix D

Supplemental RI Field Notes

- *Field Logbook*
- *Chains of Custody*

Field Logbook

SPEEDY'S CLEANERS

Rite in the Rain.

ALL-WEATHER

ENVIRONMENTAL

№ 550F

NYSDEC Site No. 828109

247380

Pine Environmental Services LLC

The Environmental Supply and Support People

Rentals - Sales - Repairs

www.pine-environmental.com

Logbook #2

CONTENTS

PAGE	REFERENCE	DATE
3	Supplemental RI Soil Sampling	6/17/24

Location Rochester, NY Date 6/17/24

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling

Weather: 76°F / 93°F - cloudy
Wind: 7mph SSW

PPE: Mod. Level D

Personnel: M Ranko - COM Smith FTL
P Fischer - COM Smith Geo

Purpose: Begin soil sampling for Speedy's Cleaners Supplemental RI

0745: M Ranko onsite, calibrating PIDs and dust Meters

0750 P. Fischer onsite

0800: North Wagle onsite. Safety and Anthony

08:05 COM Smith conducts HASP brief on heat stress and hydration

0810 Northwagle unloading rig and completing daily rig checklist

Upwind PID: FA00160

Upwind DustTrak: FA01480

Downwind PID: FA00999

Downwind DustTrak: FA00379

08:30: Northwagle and COM Smith continuing to Setup. #1 811 utilities have not been cleared yet. Working AM.

Location Rochester, NY Date 6/17/24

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling

0900 - All coolers prepped; waiting on utility locate services to complete remaining 811 markouts prior to drilling.

0905 - Northeagle offsite to purchase grout mix; waiting on one-call clearance

1015 - P. Fischer offsite to pick up temp blanks from lab, zip-lock bags, and a folding table.

Back Note: 0945 - Northeagle returns to site after purchasing grout mix.

1020 - M. Renko preparing tracking sheet and daily report, while waiting for utility clearance to arrive.

1120 - All bottleware and labels prepped; Northeagle Constructs decon pads. Utility Clearance is the next step.

1205 - USIC (utility clearance arrives onsite. P. Fischer back onsite.

1220 - Dust meters turned on; Northeagle prepares rig to begin drilling at BS-20.

Matthew Renko 6/17/24

Location Rochester, NY Date 6/17/24

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling

1245 - Collect 828109-BS-20-0-as-061724

1250 - Collect 828109-BS-20-2-3-061724 (w/ PFAS)

~~(MP) - Collect 828109-BS-20-4.5-2-061724~~

1255 - Collect 828109-BS-20-6-6.5-061724

Back note: Notified project team on refusal and where water table was located.

1330 - Collect 828109-BS-21-2-3-061724

1340 - Collect 828109-BS-21-6-6.5-061724

1350 - Collect 828109-BS-21-8.5-9-061724

1400 - refusal encountered at ~11.3 Ft bgs.

1405 - Move to BS-22

- Collect 828109-BS-22- -061724

- Collect 828109-BS-900- -061724

- Collect 828109-BS-22- - -061724

- Collect 828109-BS-22- - -061724-MS

- Collect 828109-BS-22- - -061724-MSD

1500 - Last Samples collected for the Day. CDM Smith begins sample management.

1530 - QC complete, offsite to purchase additional ice and deliver samples.

Matthew Renko

Rite in the Rain

Location Rochester, NY Date 6/18/24

Project / Client Speedy's Cleaners

Soil Sampling

Weather: 75°F/95°F - sunny 5mph SW

PPE: Mod Level D

Personnel: M. Renko > COM Smith
P. Fischer
Jeff Schweitzer > Northnagle
Jason Larson

Purpose: Continue to complete soil sampling at Speedy's Cleaners.

0645 - M. Renko onsite; Northnagle onsite upon arrival.

0700 - P. Fischer arrives onsite w/ ice.

0705 - HES brief regarding hydration and traffic

0708 - Calibrate all equipment and stage CAMP Stations.

0712 - Begin drilling BS-23 (relocated)

0730 - Collect BS-23-0-5-1

0740 - Collect BS-23-4-5

0750 - Collect BS-23-9-10

0800 - Collect BS-23-13.5-4

0800 - refusal @ 15.5 ft bgs

0805 - Move to BS-24

Matt Northnagle 6/18/24

Location Rochester, NY Date 6/18/24

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling

0810 - Collect BS-24 - 3-4

0820 - Collect BS-24 - 5-6

0830 - Collect BS-24 - 8-9

0840 - Collect BS-24 - 12.5-13

* refusal @ 15.2 ft bgs.

0850 - Northnagle moves rig over to BS-25; then takes a hydration break. Temp is now 82°F.

0930 - Begin drilling BS-25

0940 - Collect BS-25 - 3-4

0950 - Collect BS-25 - 6-7

1000 - Collect BS-25 - 10-11

1010 - Collect BS-25 - 14.5-15

1015 - Begin Drilling at BS-18

~~1030~~ - Collect BS-18 - 1.5-3 (MR)

1030 - Collect BS-18 - 1.5-3

1035 - Collect BS-901 - 1.5-3

1030 - Collect BS-18 - 1.5-3 - MS

1030 - Collect BS-18 - 1.5-3 - MSD

1100 - Collect BS-18 - 5-6

1110 - Collect BS-18 - 8-8.5

1120 - Collect BS-18 - 12-12.5

1125 - Move to BS-19

Matt Northnagle

Rite in the Rain

Location Rochester, NY Date 6/18/24

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling.

1130 - Collect BS-19-1-2
1140 - Collect BS-19-4-4.5
1150 - Collect BS-19-10-11
1200 - Collect BS-19-16-16.5
1205 - Break for lunch.
1230 - M. Pendko Collects EB-02-061824
1300 - All personnel return from lunch.
1305 - Begin drilling at BS-15
1315 - Collect BS-15-1.5-2
1325 - Collect BS-15-7-8
1335 - Collect BS-15-10.5-11.5
1345 - Collect BS-15-16-17
1324 - James Moore from VDEC-NY onsite to check all tickets. Asking questions about what we are doing. Deferred to NYSDEC and offered to provide contact info. J. Moore did not think that that was necessary.
1350 - Begin drilling BS-16
1400 - Collect BS-16-1-2
1410 - Collect BS-16-7-8
1420 - Collect BS-16-11.5-12.6

6/18/24

Location Rochester, NY Date 6/18/24

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling

1430 - Collect BS-16-16.5-17
1435 - Begin Drilling BS-17
1440 - Collect BS-17-5.5-6.5
1450 - Collect BS-17-11-11.5
1500 - Collect BS-17-14-15
~~1510 - Collect BS-17~~ NR
1510 - All samples collected for the day. Northnagle backfills and patches all holes and cleans up site. CDM Smith QC's samples.
1530 - Northnagle offsite; CDM Smith offsite to purchase ice and deliver samples to lab.

6/18/24

Location Rochester, NY Date 6/19/23

Project / Client Speedy's Cleaners

Soil Sampling

Weather: 77°F / 91°F 5 mph SW

PPE: Mod. Level D

Personnel: M. Renko > COM Smith
P. Fischer
J. Schwerster > Northnagle
J. Farson

0645 - M. Renko onsite; calibrating all equipment and setup dust meters; Northnagle & onsite.

0700 - Mob to BS-27 (angled boring)

0715 - Begin Drilling BS-27.

0840 - Collect BS-27-3.5-4.5

0850 - Collect BS-27-6-7

0900 - Collect BS-27-9-10.5 (MS/MSD)

0905 - Collect BS-902-9-10.5

0910 - Collect BS-27-12-12.5

0920 - Move to BS-28 and begin drilling

0930 - 1st Attempt failed; refusal at 5.85 ftbgs

0950 - 2nd Attempt failed; refusal at 5.10 ftbgs

1000 - 3rd offset made ~ 2ft north of proposed boring.

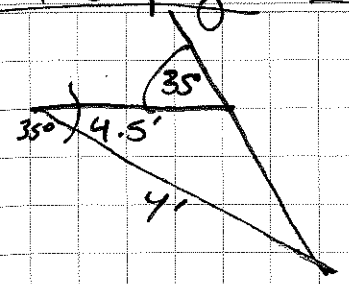
1030 - Call made with C. Gurr to discuss refusal criteria; Moving to optional boring #1 (BS-33).

Matthew Renko

Location Rochester, NY Date 6/19/23

Project / Client Speedy's Cleaners / NYSDEC

Soil Sampling. - Angled Boring Conversions



* Conversions made on scrap paper

4' = 2.6' rest depth

Core 1 = 2.6'

~~2 = 5.2'~~

~~3 = 7.8'~~

~~4 = 10.4'~~ (MS)

~~5 = 13.0'~~

~~6 = 15.6'~~

~~7 = 18.2'~~

~~8 = 20.8'~~

1040 - Northnagle setting up on BS-33.

1045 - Collect BS-28-1-2

1055 - Collect BS-28-5.5-7 (PFAS)

Back note: Waited for vehicle to move prior to drilling BS-33

1115 - Begin drilling BS-33

1125 - Collect BS-33-2.5-3

1135 - Collect BS-33-4-6

1135 - Collect BS-33-4-6-MS

1135 - Collect BS-33-4-6-MSD

1140 - Collect BS-903-4-6 (BS-33)

1145 - Collect BS-8-9 (PFAS)

1155 - Collect BS-12.5-13 (BS-33)

Matthew Renko

Rite in the Rain

Location Rochester, NY Date 6/19/24

Project / Client Speedy's Cleaners

Soil Sampling Sunny - 92°F

1205 - Collect 16-16.5 (BS-33)
1210 - All personnel break for lunch.
1300 - All personnel return to work after lunch; Begin drilling BS-30.
1320 - Collect BS-30-1-2
1330 - Collect BS-30-4-5
1340 - Collect BS-30-9-10 (PFAS)
1350 - Collect BS-30-13-14
1355 - Move to BS-34 and begin drilling.
1400 - Collect BS-34-1-2
1410 - Collect BS-34-6-6.5
1420 - Collect BS-34-10-10.5
1430 - Collect BS-34-14-14.5 (PFAS)
1440 - All samples collected for the day.
1500 - Northnagle backfills all borings and cold patches at surface. Conn Smith QC's all samples.
1580 - All personnel offsite. P. Fischer brings samples to lab.

[signature] 6/19/24

Location Rochester, NY Date 6/20/24

Project / Client Speedy's Cleaners

Soil Sampling

Weather: 72°F / 88°F Wind: 7mph WNW
PPE: Mod. Level D.
Personnel: M. Renko + P. Fischer (CDM Smith)
J. Schweister + J. Earson (Northnagle)
Purpose: 4 angled borings remain; complete angled borings and potentially complete waste characterization sampling.
0630 - M. Renko + Northnagle arrive onsite; HES brief and calibrate equipment.
0645 - All personnel onsite; another HES meeting.
0650 - Northnagle warms up equipment and does rig inspection.
0700 - Mob to BS-31.
0710 - Begin drilling BS-31
0730 - Collect BS-31-1-2 (PFAS)
0740 - Collect BS-31-3-4
0750 - Collect BS-31-8-9
0800 - Collect BS-31-13-14
0800 - Collect BS-31-13-14 - LLS
0800 - Collect BS-31-13-14 - MSD
0805 - Collect BS-904-13-14

[signature] - 6/19/24

Location Rochester, NY Date 06/20/24

Project / Client Speedy's Cleaners

Soil Sampling: Sunny: 80°F

0830 - Set up at BS-32 and begin drilling.
0900 - ~~Collect BS-32-PE~~ 1st Attempt failed; refusal at 12 ft bgs. Offset & redrill.
0920 - CT Male arrives to survey site.
0940 - CT Male offsite. Survey complete.
Back note: 0910 - Northnagle hit refusal at ~~12~~ 9.8 ft bgs at BS-32 on 2nd Attempt.
0945 - Collect BS-32- 1 - 2
0955 - Collect BS-32- 3 - 4 (PFAS)
1005 - Collect BS-32- 8 - 9
1010 - Set up at BS-26. Begin drilling.
1020 - Collect BS-26- 1 - 2
1030 - Collect BS-26- 4 - 5
1040 - Collect BS-26- 8 - 9 (PFAS)
1050 - Collect BS-26- 12-13 ↓ (took @ 4ft interval)
1100 - Begin drilling BS-29.
1105 - ~~Collect BS-29-PE~~ 1st Attempt Failed. Refusal @ ~~Collect BS-29-PE~~ 8.6 ft bgs.
1120 2nd Attempt at drilling by Northnagle (8.6 ft bgs)
1145 Collect BS-29- 1 - 2
1155 Collect BS-29- 4-5 (PFAS ~~Equip Blank~~ (MSD/MS)) (PS)
1200 Collect BS-~~905~~ 4-5 ~~PFAS Dup~~ (PE) (PFAS DUP)
1205 Collect BS-29- 7-8
1220 Break for lunch.

06/20/24

Location Rochester, NY Date 06/20/24

Project / Client Speedy's Cleaners

Soil Sampling Sunny: 90°F

1240 Return from lunch. Pickup bottleware for SOW samples & AQW samples
1315: All bottleware prepped for waste Char.
1330 - Collect Aqueous waste char.
1400 - Collect Solid waste Char.
1430 - Northnagle leaves site and will pickup equipment tomorrow
1445 - All personnel offsite.

06/20/24

Rite in the Rain

Chains of Custody

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

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YORK Project Number

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Page ____ of ____

Report To:	Invoice To:
Company: CDM Smith	Company: CDM Smith
Address: 3 Computer Dr. S. Suite 101 Albany, NY 12110	Address: 193 old Eagle School Rd. Wayne, PA 19087
Phone.: 518-690-5161	Phone.: 610 263-2607
Contact: Bill Weit	Contact: Bill Weit
E-mail: peakandc@cdmsmith.com WeitWM@cdmsmith.com	E-mail: WeitWM@cdmsmith.com

YOUR Project Name / Number: Speedy's Cleaners 247380

PO Number: 247380

Samples Collected From: NY [X] NJ [ ] CT [ ] PA [ ] Other: (please specify)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Rocko (CDM Smith)

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

Preservative (please list number of containers)

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	PFAS - 1633	537									Grab or Comp. G/C
328109-BS-20-20240612	6/12/24	12:50	S	X										X										G
328109-BS-22-20240612	6/12/24	13:30	S	X										X										G
FB-01-061224	6/12/24	14:30	AQ	X										X										G
328109-BS-22-24-01-061224	6/12/24	17:35	S	X										X										G

Turn-Around Time: RUSH - Next Day [ ]; RUSH - Two Day [ ]; RUSH - Three Day [ ]; RUSH - Four Day [ ]; RUSH - Five Day [ ]; Standard (6-9 Day) [ ]; PFAS Standard 7-10 Day [X]

Report Type (circle): QA Report; Summary (Results Only); NY ASP B Package; NJ Reduced; NJ DKQP; NJ Full; CT RCP

EDD Type (circle): EQuIS (standard); NYSDEC EQuIS; NJDEP SRP Haz Site; Standard Excel; CMDP; Other:

Regulatory Comparative: Compared to the following Regulation(s): (please fill in)

Field Filtered [ ]

Lab Filtered [ ]

Comments: Cat B Report + NYSDEC EDD requested

Samples iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N

COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N

Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
CDM Smith	6/13/24 1645	Yorkey Dire Au	6/13/24 1645		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

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Page _____ of _____

Report To:	Invoice To:	YOUR Project Name / Number
Company: CDM Smith	Company: CDM Smith	Speedy's Cleaners 247350
Address: 3 Clear Dot Ln. Ste 104 Latham, NY 12110	Address: 913 Old Eagle School Rd Wayne, PA 19087	PO Number: 247350
Phone: 518 690-5141	Phone: 610-263-2607	
Contact: Bill Weet	Contact: Bill Weet	
E-mail: weetwr@cdmsmith.com renkomd@cdmsmith.com	E-mail: weetwr@cdmsmith.com	

Samples Collected From: NY [X] NJ [ ] CT [ ] PA [ ] Other: (please specify)

Turn-Around Time
- RUSH - Next Day [ ]
- RUSH - Two Day [ ]
- RUSH - Three Day [ ]
- RUSH - Four Day [ ]
- RUSH - Five Day [ ]
- Standard (6-9 Day) [X]
- PFAS Standard 7-10 Day [ ]

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Renko

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil
Other

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	TCL Volatiles - 8260D	% Moisture	Grab or Comp. G/C
328109-BS-20-0-0.5-061724	6/17/24	12:45	S	X		X								X	X	G
328109-BS-20-2-3-061724	6/17/24	12:50	S	X		X								X	X	G
328109-BS-20-6-6.5-061724	6/17/24	12:55	S	X		X								X	X	G
EB-01-061724	6/17/24	14:30	W	X	X	X	(4)							X	X	G
TRIP BLANK 061724	6/17/24		W		X									X		
329109-BS-21-2-3-061724	6/17/24	13:30	S	X		X								X	X	
329109-BS-21-6.5-061724	6/17/24	13:40	S	X		X								X	X	
328109-BS-21-8.5-9-061724	6/17/24	13:50	S	X		X								X	X	
328109-BS-22-1-2-061724	6/17/24	14:20	S	X		X								X	X	
328109-BS-DUP-1-2-061724	6/17/24	14:25	S	X		X								X	X	
328109-BS-22-4-6-061724	6/17/24	14:36	S	X		X								X	X	
328109-BS-22-4-6-061724-MS	6/17/24	14:30	S	X		X								X	X	
328109-BS-22-4-6-061724-MSD	6/17/24	14:30	S	X		X								X	X	
328109-BS-22-8.5-9-061724	6/17/24	14:40	S	X		X								X	X	
328109-BS-22-13-14-061724	6/17/24	14:50	S	X		X								X	X	

Report Type (circle)
- QA Report
- Summary (Results Only)
- NY ASP B Package
- NJ Reduced
- NJ DKQP
- NJ Full
- CT RCP

EDD Type (circle)
- EQuIS (standard)
- NYSDEC EQuIS
- NJDEP SRP Haz Site
- Standard Excel
- CMDP
- Other:

Regulatory Comparative
Compared to the following Regulation(s): (please fill in)

- Field Filtered [ ]
- Lab Filtered [ ]

Comments: CLP B Report and Anysis EDD requested.
328109-BS-22-4-6-061724 is for MS/MSD.

Samples Iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N
Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
CDM Smith	6/17/24 1615				
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
		Fed Ex	6/17/24 1615		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

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YORK Project Number

Report To:	Invoice To:	YOUR Project Name / Number	Samples Collected From
Company: CDM Smith	Company: CDM Smith	Speedy's Cleaners 20733.0	NY X CT Other: (please specify)
Address: 53 W. Seltzer Rd Latham, NY 12110	Address:	PO Number 20733.0	NJ PA
Phone: 518-690-5461	Phone:		
Contact: Bill Weir	Contact: Bill Weir		
E-mail: weirwj@cdmsmith.com	E-mail: weirwj@cdmsmith.com		

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
RUSH - Five Day	
Standard (6-9 Day)	X
PFAS Standard 7-10 Day	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Renko

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil
Other

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOCs - 8260D	% Moisture	Grab or Comp. G/C
828109-BS-16-7.5-6.5-061524	6/15/24	14:10	S	X		X								X	X	
828109-BS-16-11.5-12.5-061524	6/15/24	14:20	S	X		X								X	X	
828109-BS-16-14.5-15.5-061524	6/15/24	14:30	S	X		X								X	X	
828109-BS-17-5.5-6.5-061824	6/18/24	14:40	S	X		X								X	X	
828109-BS-17-11-11.5-061524	6/18/24	14:50	S	X		X								X	X	
828109-BS-17-14.5-15-061524	6/18/24	15:00	S	X		X								X	X	

Report Type (circle)

QA Report
Summary (Results Only)
NY ASP B Package
NJ Reduced
NJ DKQP
NJ Full
CT RCP

EDD Type (circle)

EQuIS (standard)
NYSDEC EQuIS
NJDEP SRP Haz Site
Standard Excel
CMDP
Other:

Regulatory Comparative

Compared to the following Regulation(s): (please fill in)

Field Filtered
Lab Filtered

Comments:

See Pg. 1.

Samples Iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Matthew Renko CDM Smith	6/18/24 1530	Randy Diaz	6/18/24 1530 ALS		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received In LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

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YORK Project Number

Report To:	Invoice To:	YOUR Project Name / Number
Company: CDM Smith	Company: CDM Smith	Brady's Corner
Address:	Address:	24138.0
Phone.:	Phone.:	**PO Number**
Contact: Bill West	Contact: Bill West	24138.0
E-mail: WestBA@cdmsmith.com	E-mail:	

Samples Collected From

NY	X	CT		Other: (please specify)
NJ		PA		

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
RUSH - Five Day	
Standard (6-9 Day)	
PFAS Standard 7-10 Day	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Burke

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil | Other

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	8260 - full list										Grab or Comp. G/C
828109-BS-23-4.5-061824	6/18/24	09:40	S	X										X										
828109-BS-24-8-9-061824	6/18/24	09:30	S	X										X										
828109-BS-2-6-7-061824	6/18/24	09:50	S	X										X										
828109-BS-18-10-11-061824	6/18/24	10:30	S	X										X										
828109-BS-19-10-11-061824	6/18/24	11:30	S	X										X										
FB-02-061824	6/18/24	12:30	LV	X										X										
828109-BS-15-7-8-061824	6/18/24	13:25	S	X										X										
828109-BS-16-1-2-061824	6/18/24	14:00	S	X										X										
828109-BS-17-5.5-6.5-061824	6/18/24	14:40	S	X										X										

EDD Type (circle)
EQuIS (standard)
NYSDEC EQuIS
NJDEP SRP Haz Site
Standard Excel
CMDP
Other:

Report Type (circle)
QA Report
Summary (Results Only)
NY ASP B Package
NJ Reduced
NJ DKQP
NJ Full
CT RCP

Regulatory Comparative
Compared to the following Regulation(s): (please fill in)

Field Filtered
Lab Filtered

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[illegible] / CDMSmith	6/18/24 1530	Brady Dice AAS	6/18/24 1530		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					Degrees C

Field Chain-of-Custody Record

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YORK Project Number

Page 1 of 3

Report To:	Invoice To:	YOUR Project Name / Number
Company:	Company:	Speedy's Cleaners
Address:	Address:	247330
Phone.:	Phone.:	PO Number
Contact:	Contact:	247330
E-mail:	E-mail:	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Parker
Matrix NE

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil
Other

Samples Collected From
NY X CT Other: (please specify)
NJ PA

Turn-Around Time
RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
RUSH - Five Day
Standard (6-9 Day) ✓
PFAS Standard 7-10 Day

Report Type (circle)
QA Report
Summary (Results Only)
NY ASP B Package
NJ Reduced
NJ DKQP
NJ Full
CT RCP

EDD Type (circle)
EQuIS (standard)
NYSDEC EQuIS
NJDEP SRP Haz Site
Standard Excel
CMDP
Other:

Regulatory Comparative
Compared to the following Regulation(s): (please fill in)

Preservative (please list number of containers)

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOCs - 8260D	1,4-Dioxane									Grab or Comp. G/C
247330-BS-25-1-3-061824	6/18/24	09:30	S	X		X								X	X									
247330-BS-25-2-3-061824	6/18/24	09:40	S	X		X								X	X									
247330-BS-25-3-3-061824	6/18/24	09:50	S	X		X								X	X									
247330-BS-25-4-3-061824	6/18/24	10:00	S	X		X								X	X									
247330-BS-25-5-3-061824	6/18/24	10:10	S	X		X								X	X									
247330-BS-25-6-3-061824	6/18/24	10:20	S	X		X								X	X									
247330-BS-25-7-3-061824	6/18/24	10:30	S	X		X								X	X									
247330-BS-25-8-3-061824	6/18/24	10:40	S	X		X								X	X									
247330-BS-25-9-3-061824	6/18/24	10:50	S	X		X								X	X									
247330-BS-25-10-3-061824	6/18/24	11:00	S	X		X								X	X									
247330-BS-25-11-3-061824	6/18/24	11:10	S	X		X								X	X									
247330-BS-25-12-3-061824	6/18/24	11:20	S	X		X								X	X									
247330-BS-25-13-3-061824	6/18/24	11:30	S	X		X								X	X									
247330-BS-25-14-3-061824	6/18/24	11:40	S	X		X								X	X									

Field Filtered
Lab Filtered

Comments: Client Zero + and NYSDEC EDD Requested.
247330-BS-25-3-3-061824 is the MS/MSD.

Samples Iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N
Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[illegible] CM Smith	6/18/24 1530	AES Randy Dier	6/18/24 1530		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received In LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

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YORK Project Number

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Report To:	Invoice To:	YOUR Project Name / Number
Company: [illegible]	Company: [illegible]	Speedy's Cleaners 203350
Address: 3 Pace Set Ct Pelham NY 10803	Address:	PO Number: 203350
Phone: 914-600-3161	Phone: [illegible]	
Contact: [illegible]	Contact:	
E-mail: [illegible]	E-mail: [illegible]	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Bosco

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil | Other

Samples Collected From
NY [X] | CT [ ] | Other: (please specify)
NJ [ ] | PA [ ]

Turn-Around Time
RUSH - Next Day [ ]
RUSH - Two Day [ ]
RUSH - Three Day [ ]
RUSH - Four Day [ ]
RUSH - Five Day [ ]
Standard (6-9 Day) [X]
PFAS Standard 7-10 Day [ ]

Report Type (circle)
QA Report
Summary (Results Only)
NY ASP B Package
NJ Reduced
NJ DKQP
NJ Full
CT RCP

EDD Type (circle)
EQuIS (standard)
NYSDEC EQuIS
NJDEP SRP Haz Site
Standard Excel
CMDP
Other:

Regulatory Comparative
Compared to the following Regulation(s): (please fill in)

[ ] Field Filtered
[ ] Lab Filtered

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOCs - 8260 (Full List)	1,4-Dioxane - 8270 SIM	Grab or Comp. G/C
[illegible]	6/18/24	10 [illegible]	S	X		X								X	X	
[illegible]	6/18/24	11 00	S	X		X								X	X	
[illegible]	6/18/24	11 10	S	X		X								X	X	
[illegible]	6/18/24	11 20	S	X		X								X	X	
328109-BS-19-1-2-061824	6/18/24	11 30	S	X		X								X	X	
328109-BS-19-4-5-061824	6/18/24	11 40	S	X		X								X	X	
328109-BS-19-7-8-061824	6/18/24	11 50	S	X		X								X	X	
328109-BS-19-10.5-11-061824	6/18/24	12 00	S	X		X								X	X	
TRIPBLANK-061824	6/18/24		W		X									X		
FB-02-061824	6/18/24	11 30	W		X									X		
328109-BS-15-1.5-2-061824	6/18/24	13 15	S	X		X								X	X	
328109-BS-15-7-8-061824	6/18/24	13 25	S	X		X								X	X	
328109-BS-15-10.5-11.5-061824	6/18/24	13 35	S	X		X								X	X	
328109-BS-15-16-17-061824	6/18/24	13 45	S	X		X								X	X	
328109-BS-14-1-2-061824	6/18/24	14 00	S	X		X								X	X	

Comments:
See pg 1.

Samples iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N
Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[illegible] CDMSmith	6/18/24 1153	[illegible] Ryder Diaz	6/18/24 1530		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

YORK
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120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

YORK Project Number

Report To:	Invoice To:	YOUR Project Name / Number
Company: CDM Smith	Company: CDM Smith	Speedy's Cleaners 247380
Address:	Address:	PO Number: 247350
Phone:	Phone:	
Contact: Bill Dent	Contact: Bill Dent	
E-mail: Dentwj@cdmsmith.com	E-mail:	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Renko

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil | Other

Samples Collected From

NY [X] CT [ ] Other: (please specify)
NJ [ ] PA [ ]

Turn-Around Time

- RUSH - Next Day [ ]
- RUSH - Two Day [ ]
- RUSH - Three Day [ ]
- RUSH - Four Day [ ]
- RUSH - Five Day [ ]
- Standard (6-9 Day) [ ]
- PFAS Standard 7-10 Day [X]

Report Type (circle)

QA Report
Summary (Results Only)
NY ASP B Package
NJ Reduced
NJ DKQP
NJ Full
CT RCP

EDD Type (circle)

EQuIS (standard)
NYSDEC EQuIS
NJDEP SRP Haz Site
Standard Excel
CMDP
Other:

Regulatory Comparative

Compared to the following Regulation(s): (please fill in)

Field Filtered
Lab Filtered

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	PFAS - 1633	Grab or Comp.
328109-BS-27-3.5-4.5	6/17/24	08:40	S	X										X	G/C
FB-02-061924	6/19/24	10:00	W	X										X	
328109-BS-28-5.5-7-061924	6/19/24	10:55	S	X										X	
328109-BS-33-8.9-061924	6/17/24	11:45	S	X										X	
328109-BS-30-5-10-061924	6/19/24	13:40	S	X										X	
328109-BS-34-14-14.5-061924	6/19/24	14:30	S	X										X	
			W												

Comments: CAT B Report and NYSDEC EDD Requested.

Samples Iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Dentwj-CDM SMITH	6/19/24 1500	[illegible] Ridge Nine AVL	6/19/24 1500		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

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YORK Project Number

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | 2161 Whitesville Rd Toms River, NJ 08755 | clientservices@yorklab.com | 800-306-YORK

Report To:	Invoice To:	YOUR Project Name / Number	Samples Collected From
Company: CDM Smith	Company: CDM Smith	Speedy's Cleaners 247380	NY X CT Other: (please specify)
Address:	Address:	PO Number	NJ PA
Phone.:	Phone.:	247380	
Contact: Bill West	Contact:		
E-mail: WestBA@cdmsmith.com	E-mail:		

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Rinko
Matt T2

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil/solid/sludge
GW - groundwater
DW - drinking water
SW - surface water
WW - wastewater
O - Oil | Other

Turn-Around Time
- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- RUSH - Five Day
- Standard (6-9 Day)
- PFAS Standard 7-10 Day

Report Type (circle)
- QA Report
- Summary (Results Only)
- NY ASP B Package)
- NJ Reduced
- NJ DKQP
- NJ Full
- CT RCP

EDD Type (circle)
- EQuIS (standard)
- NYSDEC EQuIS
- NJDEP SRP Haz Site
- Standard Excel
- CMDP
- Other:

Regulatory Comparative
Compared to the following Regulation(s): (please fill in)

- Field Filtered
- Lab Filtered

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOCs - 8260	% Moisture	Grab or Comp. G/C
247380-BS-33-12.5-13-061924	6/19/24	1155	S	X		X								X	X	
247380-BS-27-9.5-10.5-061924-MS	6/19/24	0900	S	X		X								X	X	
247380-BS-27-9.5-10.5-061924-MSD	6/19/24	0900	S	X		X								X	X	
247380-BS-28-[illegible]-061924	6/19/24	[illegible]	S	X		X								X	X	
247380-BS-30-[illegible]-061924	6/19/24	[illegible]	S	X		X								X	X	
247380-BS-[illegible]-061924	6/19/24	1350	S	X		X								X	X	
247380-BS-30-4-5-061924	6/19/24	1330	S	X		X								X	X	
247380-BS-34-1-2-061924	6/19/24	1400	S	X		X								X	X	
247380-BS-34-6-6.5-061924	6/19/24	1410	S	X		X								X	X	
247380-BS-34-9-9.5-061924	6/19/24	1420	S	X		X								X	X	
247380-BS-34-14-14.5-061924	6/19/24	1430	S	X		X								X	X	
														X	QNS	

Comments:
See pg. 1

Samples Iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N
Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Kevin Hafner CDMSmith	6/19/24 1500	[illegible] Brady Lee FedEx	6/19/24 1640		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature Degrees C

Field Chain-of-Custody Record

YORK
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YORK Project Number

Page 1 of 6

Report To:	Invoice To:
Company: CDM Smith	Company: CDM Smith
Address:	Address:
Phone.:	Phone.:
Contact: Beth Ivers	Contact: Beth Ivers
E-mail: IversBM@cdmsmith.com	E-mail:

YOUR Project Name / Number: Speedy's Cleaners 249380

PO Number: 249380

Samples Collected From: NY X | CT | NJ | PA | Other: (please specify)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Keyko

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil/solid/sludge; GW - groundwater; DW - drinking water; SW - surface water; WW - wastewater; O - Oil; Other

Preservative (please list number of containers)

Analyses Requested

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO_3 (nitric acid)	H_2SO_4 (sulfuric acid)	NaOH (sodium hydroxide)	$Na_2S_2O_3$ (sodium thio.)	Trizma	Ammonium Acetate	Other:	VOCs - 8260	8270 TCL SVOCs	Grab or Comp. G/C
248109-BS-27-2-7-0619 24	6/19/24	9:40	S	X		X								X	X	
248109-BS-27-6-7-061924		9:50		X		X								X	X	
248109-BS-27-10-10-S-061924		10:00		X		X								X	X	
248109-BS-27-12-12-S-061924		9:10		X		X								X	X	
248109-BS-102-2-10-S 061924		9:05		X		X								X	X	
GB-02-061924		10:00	W		X									X		
TRIPBLANK-061924			W		X									X		
248109-BS 28-1-2-061924		10:45	S	X		X								X	X	
248109-BS-21-5-7-061924		10:55	S	X		X								X	X	
248109-BS-33-25-3 061924		11:25	S	X		X								X	X	
248109-BS-33-4-6-061924		11:35	S	X		X								X	X	
248109-BS 33-4-6 061924 MS		11:35	S	X		X								X	X	
248109-BS-33-4-6-061924 MSD		11:35	S	X		X								X	X	
248109-BS-33-8-9-061924		11:45	S	X		X								X	X	
248109-BS-103-4-6-061924		11:40	S	X		X								X	X	

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- RUSH - Five Day
- Standard (6-9 Day) X
- PFAS Standard 7-10 Day

Report Type (circle)

- QA Report
- Summary (Results Only)
- NY ASP B Package
- NJ Reduced
- NJ DKQP
- NJ Full
- CT RCP

EDD Type (circle)

- EQuIS (standard)
- NYSDEC EQuIS
- NJDEP SRP Haz Site
- Standard Excel
- CMDP
- Other:

Regulatory Comparative

Compared to the following Regulation(s): (please fill in)

- Field Filtered
- Lab Filtered

Comments: CAT B Report and EDD Requested.

Samples Iced/chilled at time of lab pickup? circle Yes or No

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Peyton Fischer CDM Smith	6/19/24 1500	Wendy Diaz ALV	6/19/24 1500		
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature Degrees C

Appendix E

Supplemental RI Data Usability Summary Reports

- *2024 Data Usability Summary Reports*

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1312
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 13, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-23-0.5-1-061824	24F1312-01	Soil
2	828109-BS-23-4-5-061824	24F1312-02	Soil
3	828109-BS-23-9-10-061824	24F1312-03	Soil
4	828109-BS-23-13.5-14-061824	24F1312-04	Soil
5	828109-BS-24-3-4-061824	24F1312-05	Soil
6	828109-BS-24-5-6-061824	24F1312-06	Soil
7	828109-BS-24-8-9-061824	24F1312-07	Soil
8	828109-BS-24-12.5-13-061824	24F1312-08	Soil
9	828109-BS-25-3-4-061824	24F1312-09	Soil
10	828109-BS-25-6-7-061824	24F1312-10	Soil
11	828109-BS-25-10-11-061824	24F1312-11	Soil
12	828109-BS-25-14.5-15-061824	24F1312-12	Soil
13	828109-BS-18-1.5-3-061824	24F1312-13	Soil
13MS	828109-BS-18-1.5-3-061824MS	24F1312-13MS	Soil
13MSD	828109-BS-18-1.5-3-061824MSD	24F1312-13MSD	Soil
14	828109-BS-901-1.5-3-061824	24F1312-14	Soil
15	828109-BS-18-5-6-061824	24F1312-15	Soil
16	828109-BS-18-8-8.5-061824	24F1312-16	Soil
17	828109-BS-18-12-12.5-061824	24F1312-17	Soil
18	828109-BS-19-1-2-061824	24F1312-18	Soil
19	828109-BS-19-4.5-5-061824	24F1312-19	Soil
20	828109-BS-19-10-11-061824	24F1312-20	Soil
21	828109-BS-19-16-16.5-061824	24F1312-21	Soil
22	TRIPBLANK-061824	24F1312-22	Water
23	EB-02-061824	24F1312-23	Water
24	828109-BS-15-1.5-2-061824	24F1312-24	Soil
25	828109-BS-15-7-8-061824	24F1312-25	Soil
26	828109-BS-15-10.5-11.5-061824	24F1312-26	Soil
27	828109-BS-15-16-17-061824	24F1312-27	Soil
28	828109-BS-16-1-2-061824	24F1312-28	Soil
29	828109-BS-16-7-8-061824	24F1312-29	Soil
30	828109-BS-16-11.5-12.5-061824	24F1312-30	Soil
31	828109-BS-16-16.5-17-061824	24F1312-31	Soil
32	828109-BS-17-5.5-6.5-061824	24F1312-32	Soil
33	828109-BS-17-11-11.5-061824	24F1312-33	Soil
34	828109-BS-17-14-15-061824	24F1312-34	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for thirty-two soil samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on June 18, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C/D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
6/20/24 (2255)	Acrolein	25.7%	UJ	22, 23
	Bromomethane	51.3%		
	Chloromethane	40.2%		
	Tert-butyl alcohol	76.8%		
6/24/24 (1021)	Chloromethane	32.1%	UJ	7, 20, 24-34
	Dichlorodifluoromethane	59.9%		
	Vinyl Chloride	30.4%		
6/25/24 (1126)	1,1-Dichloroethene	31.8%	UJ	21
	Acrolein	47.8%		
	Bromochloromethane	34.7%		
	Chloromethane	35.8%		

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of acetone, 2-butanone and methylene chloride (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRIP BLANK-061824	Acetone	2.75	U	3, 6, 8, 12, 16, 17, 26, 31, 33
EB-02-061824	Bromodichloromethane	0.770	None	ND
	Chloroform	9.13	None	ND

Surrogate Spike Recoveries

- The samples exhibited acceptable surrogate percent recoveries (%R) except for the following.

Sample	Compound	%R	Qualifier
16	p-Bromofluorobenzene	137%	J- Positive Results
20	p-Bromofluorobenzene	199%	J- Positive Results
29	p-Bromofluorobenzene	178%	J- Positive Results

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
13	Methylcyclohexane	69.4%/68.7%/OK	UJ

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
BF41674-BS1	Bromochloromethane	65.4%	None	See CCAL
BF41450-BS1	Cyclohexane	38.9%	UJ	22, 23
BF41671-BS1	Tetrachloroethylene	78.0%	J/UJ	8-17
BF41672-BS1	Dichlorodifluoromethane	159%	None	ND
	Tert-butyl alcohol	153%		

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples are summarized below. The precision is acceptable.

Compound	828109-BS-18-1.5-3-061824 mg/kg	828109-BS-901-1.5-3-061824 mg/kg	RPD	Qualifier
Tetrachloroethylene	0.012	0.0070	53%	None < 5X RL

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-0.5-1-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-01	File ID:	QV437099.D
Sampled:	06/18/24 07:30	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 17:55
Solids:	93.16	Preparation:	EPA 5035A	Initial/Final:	5.85 g / 5 ml
Batch:	BF41452	Sequence: S4F2129		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0092	U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

MF 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-0.5-1-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-01	File ID:	QV437099.D
Sampled:	06/18/24 07:30	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 17:55
Solids:	93.16	Preparation:	EPA 5035A	Initial/Final:	5.85 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0046	U
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.2	104	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.3	98.6	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-4-5-061824

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-02	File ID:	QV437100.D
Sampled:	06/18/24 07:40	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 18:27
Solids:	86.80	Preparation:	EPA 5035A	Initial/Final:	6.62 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0044	U
71-55-6	1,1,1-Trichloroethane	1	0.0044	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0044	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0044	U
79-00-5	1,1,2-Trichloroethane	1	0.0044	U
75-34-3	1,1-Dichloroethane	1	0.0044	U
75-35-4	1,1-Dichloroethylene	1	0.0044	U
563-58-6	1,1-Dichloropropylene	1	0.0044	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0044	U
96-18-4	1,2,3-Trichloropropane	1	0.0044	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0044	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0044	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0044	U
106-93-4	1,2-Dibromoethane	1	0.0044	U
95-50-1	1,2-Dichlorobenzene	1	0.0044	U
107-06-2	1,2-Dichloroethane	1	0.0044	U
78-87-5	1,2-Dichloropropane	1	0.0044	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0044	U
541-73-1	1,3-Dichlorobenzene	1	0.0044	U
142-28-9	1,3-Dichloropropane	1	0.0044	U
106-46-7	1,4-Dichlorobenzene	1	0.0044	U
123-91-1	1,4-Dioxane	1	0.087	U
594-20-7	2,2-Dichloropropane	1	0.0044	U
78-93-3	2-Butanone	1	0.0082	
95-49-8	2-Chlorotoluene	1	0.0044	U
591-78-6	2-Hexanone	1	0.0044	U
106-43-4	4-Chlorotoluene	1	0.0044	U
108-10-1	4-Methyl-2-pentanone	1	0.0044	U
67-64-1	Acetone	1	0.029	
107-02-8	Acrolein	1	0.0087	U
107-13-1	Acrylonitrile	1	0.0044	U
71-43-2	Benzene	1	0.0044	U
108-86-1	Bromobenzene	1	0.0044	U
74-97-5	Bromochloromethane	1	0.0044	U
75-27-4	Bromodichloromethane	1	0.0044	U
75-25-2	Bromoform	1	0.0044	U
74-83-9	Bromomethane	1	0.0044	U
75-15-0	Carbon disulfide	1	0.0044	U
56-23-5	Carbon tetrachloride	1	0.0044	U
108-90-7	Chlorobenzene	1	0.0044	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-4-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-02	File ID:	QV437100.D
Sampled:	06/18/24 07:40	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 18:27
Solids:	86.80	Preparation:	EPA 5035A	Initial/Final:	6.62 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0044	U
67-66-3	Chloroform	1	0.0044	U
74-87-3	Chloromethane	1	0.0044	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0044	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0044	U
110-82-7	Cyclohexane	1	0.0044	U
124-48-1	Dibromochloromethane	1	0.0044	U
74-95-3	Dibromomethane	1	0.0044	U
75-71-8	Dichlorodifluoromethane	1	0.0044	U
100-41-4	Ethyl Benzene	1	0.0044	U
87-68-3	Hexachlorobutadiene	1	0.0044	U
98-82-8	Isopropylbenzene	1	0.0044	U
79-20-9	Methyl acetate	1	0.0044	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0044	U
108-87-2	Methylcyclohexane	1	0.0044	U
75-09-2	Methylene chloride	1	0.0087	U
104-51-8	n-Butylbenzene	1	0.0044	U
103-65-1	n-Propylbenzene	1	0.0044	U
95-47-6	o-Xylene	1	0.0044	U
179601-23-1	p- & m- Xylenes	1	0.0087	U
99-87-6	p-Isopropyltoluene	1	0.0044	U
135-98-8	sec-Butylbenzene	1	0.0044	U
100-42-5	Styrene	1	0.0044	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0044	U
98-06-6	tert-Butylbenzene	1	0.0044	U
127-18-4	Tetrachloroethylene	1	0.0044	U
108-88-3	Toluene	1	0.0044	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0044	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0044	U
79-01-6	Trichloroethylene	1	0.0044	U
75-69-4	Trichlorofluoromethane	1	0.0044	U
108-05-4	Vinyl acetate	1	0.0044	U
75-01-4	Vinyl Chloride	1	0.0044	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.7	103	77 - 125	
SURR: Toluene-d8	50.0	49.1	98.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.2	98.5	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-9-10-061824

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-03	File ID:	QV437101.D
Sampled:	06/18/24 07:50	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 19:03
Solids:	87.96	Preparation:	EPA 5035A	Initial/Final:	5.97 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0048	U
71-55-6	1,1,1-Trichloroethane	1	0.0048	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0048	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0048	U
79-00-5	1,1,2-Trichloroethane	1	0.0048	U
75-34-3	1,1-Dichloroethane	1	0.0048	U
75-35-4	1,1-Dichloroethylene	1	0.0048	U
563-58-6	1,1-Dichloropropylene	1	0.0048	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0048	U
96-18-4	1,2,3-Trichloropropane	1	0.0048	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0048	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0048	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0048	U
106-93-4	1,2-Dibromoethane	1	0.0048	U
95-50-1	1,2-Dichlorobenzene	1	0.0048	U
107-06-2	1,2-Dichloroethane	1	0.0048	U
78-87-5	1,2-Dichloropropane	1	0.0048	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0048	U
541-73-1	1,3-Dichlorobenzene	1	0.0048	U
142-28-9	1,3-Dichloropropane	1	0.0048	U
106-46-7	1,4-Dichlorobenzene	1	0.0048	U
123-91-1	1,4-Dioxane	1	0.095	U
594-20-7	2,2-Dichloropropane	1	0.0048	U
78-93-3	2-Butanone	1	0.0048	U
95-49-8	2-Chlorotoluene	1	0.0048	U
591-78-6	2-Hexanone	1	0.0048	U
106-43-4	4-Chlorotoluene	1	0.0048	U
108-10-1	4-Methyl-2-pentanone	1	0.0048	U
67-64-1	Acetone	1	0.0060	✗ U
107-02-8	Acrolein	1	0.0095	U
107-13-1	Acrylonitrile	1	0.0048	U
71-43-2	Benzene	1	0.0048	U
108-86-1	Bromobenzene	1	0.0048	U
74-97-5	Bromochloromethane	1	0.0048	U
75-27-4	Bromodichloromethane	1	0.0048	U
75-25-2	Bromoform	1	0.0048	U
74-83-9	Bromomethane	1	0.0048	U
75-15-0	Carbon disulfide	1	0.0048	U
56-23-5	Carbon tetrachloride	1	0.0048	U
108-90-7	Chlorobenzene	1	0.0048	U

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-9-10-061824

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-03	File ID:	QV437101.D
Sampled:	06/18/24 07:50	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 19:03
Solids:	87.96	Preparation:	EPA 5035A	Initial/Final:	5.97 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0048	U
67-66-3	Chloroform	1	0.0048	U
74-87-3	Chloromethane	1	0.0048	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0048	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0048	U
110-82-7	Cyclohexane	1	0.0048	U
124-48-1	Dibromochloromethane	1	0.0048	U
74-95-3	Dibromomethane	1	0.0048	U
75-71-8	Dichlorodifluoromethane	1	0.0048	U
100-41-4	Ethyl Benzene	1	0.0048	U
87-68-3	Hexachlorobutadiene	1	0.0048	U
98-82-8	Isopropylbenzene	1	0.0048	U
79-20-9	Methyl acetate	1	0.0048	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0048	U
108-87-2	Methylcyclohexane	1	0.0048	U
75-09-2	Methylene chloride	1	0.0095	U
104-51-8	n-Butylbenzene	1	0.0048	U
103-65-1	n-Propylbenzene	1	0.0048	U
95-47-6	o-Xylene	1	0.0048	U
179601-23-1	p- & m- Xylenes	1	0.0095	U
99-87-6	p-Isopropyltoluene	1	0.0048	U
135-98-8	sec-Butylbenzene	1	0.0048	U
100-42-5	Styrene	1	0.0048	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0048	U
98-06-6	tert-Butylbenzene	1	0.0048	U
127-18-4	Tetrachloroethylene	1	0.0048	U
108-88-3	Toluene	1	0.0048	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0048	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0048	U
79-01-6	Trichloroethylene	1	0.0048	U
75-69-4	Trichlorofluoromethane	1	0.0048	U
108-05-4	Vinyl acetate	1	0.0048	U
75-01-4	Vinyl Chloride	1	0.0048	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.1	106	77 - 125	
SURR: Toluene-d8	50.0	49.1	98.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.2	96.3	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-13.5-14-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-04	File ID:	QV437102.D
Sampled:	06/18/24 08:00	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 19:37
Solids:	92.75	Preparation:	EPA 5035A	Initial/Final:	4.47 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0060	U
71-55-6	1,1,1-Trichloroethane	1	0.0060	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0060	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0060	U
79-00-5	1,1,2-Trichloroethane	1	0.0060	U
75-34-3	1,1-Dichloroethane	1	0.0060	U
75-35-4	1,1-Dichloroethylene	1	0.0060	U
563-58-6	1,1-Dichloropropylene	1	0.0060	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0060	U
96-18-4	1,2,3-Trichloropropane	1	0.0060	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0060	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0060	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0060	U
106-93-4	1,2-Dibromoethane	1	0.0060	U
95-50-1	1,2-Dichlorobenzene	1	0.0060	U
107-06-2	1,2-Dichloroethane	1	0.0060	U
78-87-5	1,2-Dichloropropane	1	0.0060	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0060	U
541-73-1	1,3-Dichlorobenzene	1	0.0060	U
142-28-9	1,3-Dichloropropane	1	0.0060	U
106-46-7	1,4-Dichlorobenzene	1	0.0060	U
123-91-1	1,4-Dioxane	1	0.12	U
594-20-7	2,2-Dichloropropane	1	0.0060	U
78-93-3	2-Butanone	1	0.0060	U
95-49-8	2-Chlorotoluene	1	0.0060	U
591-78-6	2-Hexanone	1	0.0060	U
106-43-4	4-Chlorotoluene	1	0.0060	U
108-10-1	4-Methyl-2-pentanone	1	0.0060	U
67-64-1	Acetone	1	0.012	U
107-02-8	Acrolein	1	0.012	U
107-13-1	Acrylonitrile	1	0.0060	U
71-43-2	Benzene	1	0.0060	U
108-86-1	Bromobenzene	1	0.0060	U
74-97-5	Bromochloromethane	1	0.0060	U
75-27-4	Bromodichloromethane	1	0.0060	U
75-25-2	Bromoform	1	0.0060	U
74-83-9	Bromomethane	1	0.0060	U
75-15-0	Carbon disulfide	1	0.0060	U
56-23-5	Carbon tetrachloride	1	0.0060	U
108-90-7	Chlorobenzene	1	0.0060	U

MF 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-23-13.5-14-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-04	File ID:	QV437102.D
Sampled:	06/18/24 08:00	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 19:37
Solids:	92.75	Preparation:	EPA 5035A	Initial/Final:	4.47 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0060	U
67-66-3	Chloroform	1	0.0060	U
74-87-3	Chloromethane	1	0.0060	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0060	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0060	U
110-82-7	Cyclohexane	1	0.0060	U
124-48-1	Dibromochloromethane	1	0.0060	U
74-95-3	Dibromomethane	1	0.0060	U
75-71-8	Dichlorodifluoromethane	1	0.0060	U
100-41-4	Ethyl Benzene	1	0.0060	U
87-68-3	Hexachlorobutadiene	1	0.0060	U
98-82-8	Isopropylbenzene	1	0.0060	U
79-20-9	Methyl acetate	1	0.0060	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0060	U
108-87-2	Methylcyclohexane	1	0.0060	U
75-09-2	Methylene chloride	1	0.012	U
104-51-8	n-Butylbenzene	1	0.0060	U
103-65-1	n-Propylbenzene	1	0.0060	U
95-47-6	o-Xylene	1	0.0060	U
179601-23-1	p- & m- Xylenes	1	0.012	U
99-87-6	p-Isopropyltoluene	1	0.0060	U
135-98-8	sec-Butylbenzene	1	0.0060	U
100-42-5	Styrene	1	0.0060	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0060	U
98-06-6	tert-Butylbenzene	1	0.0060	U
127-18-4	Tetrachloroethylene	1	0.0060	U
108-88-3	Toluene	1	0.0060	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0060	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0060	U
79-01-6	Trichloroethylene	1	0.0060	U
75-69-4	Trichlorofluoromethane	1	0.0060	U
108-05-4	Vinyl acetate	1	0.0060	U
75-01-4	Vinyl Chloride	1	0.0060	U
1330-20-7	Xylenes, Total	1	0.018	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.8	106	77 - 125	
SURR: Toluene-d8	50.0	48.9	97.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.8	97.6	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MA 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-3-4-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-05	File ID:	QV437103.D
Sampled:	06/18/24 08:10	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 20:12
Solids:	86.05	Preparation:	EPA 5035A	Initial/Final:	5.4 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0054	U
71-55-6	1,1,1-Trichloroethane	1	0.0054	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0054	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0054	U
79-00-5	1,1,2-Trichloroethane	1	0.0054	U
75-34-3	1,1-Dichloroethane	1	0.0054	U
75-35-4	1,1-Dichloroethylene	1	0.0054	U
563-58-6	1,1-Dichloropropylene	1	0.0054	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0054	U
96-18-4	1,2,3-Trichloropropane	1	0.0054	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0054	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0054	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0054	U
106-93-4	1,2-Dibromoethane	1	0.0054	U
95-50-1	1,2-Dichlorobenzene	1	0.0054	U
107-06-2	1,2-Dichloroethane	1	0.0054	U
78-87-5	1,2-Dichloropropane	1	0.0054	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0054	U
541-73-1	1,3-Dichlorobenzene	1	0.0054	U
142-28-9	1,3-Dichloropropane	1	0.0054	U
106-46-7	1,4-Dichlorobenzene	1	0.0054	U
123-91-1	1,4-Dioxane	1	0.11	U
594-20-7	2,2-Dichloropropane	1	0.0054	U
78-93-3	2-Butanone	1	0.0089	
95-49-8	2-Chlorotoluene	1	0.0054	U
591-78-6	2-Hexanone	1	0.0054	U
106-43-4	4-Chlorotoluene	1	0.0054	U
108-10-1	4-Methyl-2-pentanone	1	0.0054	U
67-64-1	Acetone	1	0.034	
107-02-8	Acrolein	1	0.011	U
107-13-1	Acrylonitrile	1	0.0054	U
71-43-2	Benzene	1	0.0054	U
108-86-1	Bromobenzene	1	0.0054	U
74-97-5	Bromochloromethane	1	0.0054	U
75-27-4	Bromodichloromethane	1	0.0054	U
75-25-2	Bromoform	1	0.0054	U
74-83-9	Bromomethane	1	0.0054	U
75-15-0	Carbon disulfide	1	0.0054	U
56-23-5	Carbon tetrachloride	1	0.0054	U
108-90-7	Chlorobenzene	1	0.0054	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-3-4-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-05	File ID:	QV437103.D
Sampled:	06/18/24 08:10	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 20:12
Solids:	86.05	Preparation:	EPA 5035A	Initial/Final:	5.4 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0054	U
67-66-3	Chloroform	1	0.0054	U
74-87-3	Chloromethane	1	0.0054	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0054	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0054	U
110-82-7	Cyclohexane	1	0.0054	U
124-48-1	Dibromochloromethane	1	0.0054	U
74-95-3	Dibromomethane	1	0.0054	U
75-71-8	Dichlorodifluoromethane	1	0.0054	U
100-41-4	Ethyl Benzene	1	0.0054	U
87-68-3	Hexachlorobutadiene	1	0.0054	U
98-82-8	Isopropylbenzene	1	0.0054	U
79-20-9	Methyl acetate	1	0.0054	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0054	U
108-87-2	Methylcyclohexane	1	0.0054	U
75-09-2	Methylene chloride	1	0.011	U
104-51-8	n-Butylbenzene	1	0.0054	U
103-65-1	n-Propylbenzene	1	0.0054	U
95-47-6	o-Xylene	1	0.0054	U
179601-23-1	p- & m- Xylenes	1	0.011	U
99-87-6	p-Isopropyltoluene	1	0.0054	U
135-98-8	sec-Butylbenzene	1	0.0054	U
100-42-5	Styrene	1	0.0054	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0054	U
98-06-6	tert-Butylbenzene	1	0.0054	U
127-18-4	Tetrachloroethylene	1	0.0054	U
108-88-3	Toluene	1	0.0054	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0054	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0054	U
79-01-6	Trichloroethylene	1	0.0054	U
75-69-4	Trichlorofluoromethane	1	0.0054	U
108-05-4	Vinyl acetate	1	0.0054	U
75-01-4	Vinyl Chloride	1	0.0054	U
1330-20-7	Xylenes, Total	1	0.016	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	54.6	109	77 - 125	
SURR: Toluene-d8	50.0	48.4	96.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.4	96.8	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-5-6-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-06	File ID:	QV437104.D
Sampled:	06/18/24 08:20	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 20:47
Solids:	90.67	Preparation:	EPA 5035A	Initial/Final:	6.24 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0044	U
71-55-6	1,1,1-Trichloroethane	1	0.0044	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0044	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0044	U
79-00-5	1,1,2-Trichloroethane	1	0.0044	U
75-34-3	1,1-Dichloroethane	1	0.0044	U
75-35-4	1,1-Dichloroethylene	1	0.0044	U
563-58-6	1,1-Dichloropropylene	1	0.0044	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0044	U
96-18-4	1,2,3-Trichloropropane	1	0.0044	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0044	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0044	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0044	U
106-93-4	1,2-Dibromoethane	1	0.0044	U
95-50-1	1,2-Dichlorobenzene	1	0.0044	U
107-06-2	1,2-Dichloroethane	1	0.0044	U
78-87-5	1,2-Dichloropropane	1	0.0044	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0044	U
541-73-1	1,3-Dichlorobenzene	1	0.0044	U
142-28-9	1,3-Dichloropropane	1	0.0044	U
106-46-7	1,4-Dichlorobenzene	1	0.0044	U
123-91-1	1,4-Dioxane	1	0.088	U
594-20-7	2,2-Dichloropropane	1	0.0044	U
78-93-3	2-Butanone	1	0.0044	U
95-49-8	2-Chlorotoluene	1	0.0044	U
591-78-6	2-Hexanone	1	0.0044	U
106-43-4	4-Chlorotoluene	1	0.0044	U
108-10-1	4-Methyl-2-pentanone	1	0.0044	U
67-64-1	Acetone	1	0.014	U
107-02-8	Acrolein	1	0.0088	U
107-13-1	Acrylonitrile	1	0.0044	U
71-43-2	Benzene	1	0.0044	U
108-86-1	Bromobenzene	1	0.0044	U
74-97-5	Bromochloromethane	1	0.0044	U
75-27-4	Bromodichloromethane	1	0.0044	U
75-25-2	Bromoform	1	0.0044	U
74-83-9	Bromomethane	1	0.0044	U
75-15-0	Carbon disulfide	1	0.0044	U
56-23-5	Carbon tetrachloride	1	0.0044	U
108-90-7	Chlorobenzene	1	0.0044	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-5-6-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-06	File ID:	QV437104.D
Sampled:	06/18/24 08:20	Prepared:	06/20/24 17:00	Analyzed:	06/20/24 20:47
Solids:	90.67	Preparation:	EPA 5035A	Initial/Final:	6.24 g / 5 ml
Batch:	BF41452	Sequence:	S4F2129	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0044	U
67-66-3	Chloroform	1	0.0044	U
74-87-3	Chloromethane	1	0.0044	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0044	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0044	U
110-82-7	Cyclohexane	1	0.0044	U
124-48-1	Dibromochloromethane	1	0.0044	U
74-95-3	Dibromomethane	1	0.0044	U
75-71-8	Dichlorodifluoromethane	1	0.0044	U
100-41-4	Ethyl Benzene	1	0.0044	U
87-68-3	Hexachlorobutadiene	1	0.0044	U
98-82-8	Isopropylbenzene	1	0.0044	U
79-20-9	Methyl acetate	1	0.0044	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0044	U
108-87-2	Methylcyclohexane	1	0.0044	U
75-09-2	Methylene chloride	1	0.0088	U
104-51-8	n-Butylbenzene	1	0.0044	U
103-65-1	n-Propylbenzene	1	0.0044	U
95-47-6	o-Xylene	1	0.0044	U
179601-23-1	p- & m- Xylenes	1	0.0088	U
99-87-6	p-Isopropyltoluene	1	0.0044	U
135-98-8	sec-Butylbenzene	1	0.0044	U
100-42-5	Styrene	1	0.0044	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0044	U
98-06-6	tert-Butylbenzene	1	0.0044	U
127-18-4	Tetrachloroethylene	1	0.0044	U
108-88-3	Toluene	1	0.0044	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0044	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0044	U
79-01-6	Trichloroethylene	1	0.0044	U
75-69-4	Trichlorofluoromethane	1	0.0044	U
108-05-4	Vinyl acetate	1	0.0044	U
75-01-4	Vinyl Chloride	1	0.0044	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.4	107	77 - 125	
SURR: Toluene-d8	50.0	49.0	98.1	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.7	97.5	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-8-9-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-07	File ID:	QV437141.D
Sampled:	06/18/24 08:30	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 13:48
Solids:	70.31	Preparation:	EPA 5035A	Initial/Final:	5.77 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0062	U
71-55-6	1,1,1-Trichloroethane	1	0.0062	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0062	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0062	U
79-00-5	1,1,2-Trichloroethane	1	0.0062	U
75-34-3	1,1-Dichloroethane	1	0.0062	U
75-35-4	1,1-Dichloroethylene	1	0.0062	U
563-58-6	1,1-Dichloropropylene	1	0.0062	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0062	U
96-18-4	1,2,3-Trichloropropane	1	0.0062	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0062	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0062	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0062	U
106-93-4	1,2-Dibromoethane	1	0.0062	U
95-50-1	1,2-Dichlorobenzene	1	0.0062	U
107-06-2	1,2-Dichloroethane	1	0.0062	U
78-87-5	1,2-Dichloropropane	1	0.0062	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0062	U
541-73-1	1,3-Dichlorobenzene	1	0.0062	U
142-28-9	1,3-Dichloropropane	1	0.0062	U
106-46-7	1,4-Dichlorobenzene	1	0.0062	U
123-91-1	1,4-Dioxane	1	0.12	U
594-20-7	2,2-Dichloropropane	1	0.0062	U
78-93-3	2-Butanone	1	0.016	
95-49-8	2-Chlorotoluene	1	0.0062	U
591-78-6	2-Hexanone	1	0.0062	U
106-43-4	4-Chlorotoluene	1	0.0062	U
108-10-1	4-Methyl-2-pentanone	1	0.0062	U
67-64-1	Acetone	1	0.045	
107-02-8	Acrolein	1	0.012	U
107-13-1	Acrylonitrile	1	0.0062	U
71-43-2	Benzene	1	0.0062	U
108-86-1	Bromobenzene	1	0.0062	U
74-97-5	Bromochloromethane	1	0.0062	U
75-27-4	Bromodichloromethane	1	0.0062	U
75-25-2	Bromoform	1	0.0062	U
74-83-9	Bromomethane	1	0.0062	U
75-15-0	Carbon disulfide	1	0.0062	U
56-23-5	Carbon tetrachloride	1	0.0062	U
108-90-7	Chlorobenzene	1	0.0062	U

MA 8/13/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-8-9-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-07	File ID:	QV437141.D
Sampled:	06/18/24 08:30	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 13:48
Solids:	70.31	Preparation:	EPA 5035A	Initial/Final:	5.77 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0062	U
67-66-3	Chloroform	1	0.0062	U
74-87-3	Chloromethane	1	0.0062	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0062	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0062	U
110-82-7	Cyclohexane	1	0.0062	U
124-48-1	Dibromochloromethane	1	0.0062	U
74-95-3	Dibromomethane	1	0.0062	U
75-71-8	Dichlorodifluoromethane	1	0.0062	U
100-41-4	Ethyl Benzene	1	0.0062	U
87-68-3	Hexachlorobutadiene	1	0.0062	U
98-82-8	Isopropylbenzene	1	0.0062	U
79-20-9	Methyl acetate	1	0.0062	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0062	U
108-87-2	Methylcyclohexane	1	0.0062	U
75-09-2	Methylene chloride	1	0.012	U
104-51-8	n-Butylbenzene	1	0.0062	U
103-65-1	n-Propylbenzene	1	0.0062	U
95-47-6	o-Xylene	1	0.0062	U
179601-23-1	p- & m- Xylenes	1	0.012	U
99-87-6	p-Isopropyltoluene	1	0.0062	U
135-98-8	sec-Butylbenzene	1	0.0062	U
100-42-5	Styrene	1	0.0062	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0062	U
98-06-6	tert-Butylbenzene	1	0.0062	U
127-18-4	Tetrachloroethylene	1	0.0062	U
108-88-3	Toluene	1	0.0062	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0062	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0062	U
79-01-6	Trichloroethylene	1	0.0062	U
75-69-4	Trichlorofluoromethane	1	0.0062	U
108-05-4	Vinyl acetate	1	0.0062	U
75-01-4	Vinyl Chloride	1	0.0062	U
1330-20-7	Xylenes, Total	1	0.018	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.4	105	77 - 125	
SURR: Toluene-d8	50.0	47.7	95.3	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.1	96.3	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MS 8/13/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-12.5-13-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-08	File ID:	QV437113.D
Sampled:	06/18/24 08:40	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 12:01
Solids:	89.88	Preparation:	EPA 5035A	Initial/Final:	5.83 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0048	U
71-55-6	1,1,1-Trichloroethane	1	0.0048	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0048	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0048	U
79-00-5	1,1,2-Trichloroethane	1	0.0048	U
75-34-3	1,1-Dichloroethane	1	0.0048	U
75-35-4	1,1-Dichloroethylene	1	0.0048	U
563-58-6	1,1-Dichloropropylene	1	0.0048	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0048	U
96-18-4	1,2,3-Trichloropropane	1	0.0048	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0048	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0048	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0048	U
106-93-4	1,2-Dibromoethane	1	0.0048	U
95-50-1	1,2-Dichlorobenzene	1	0.0048	U
107-06-2	1,2-Dichloroethane	1	0.0048	U
78-87-5	1,2-Dichloropropane	1	0.0048	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0048	U
541-73-1	1,3-Dichlorobenzene	1	0.0048	U
142-28-9	1,3-Dichloropropane	1	0.0048	U
106-46-7	1,4-Dichlorobenzene	1	0.0048	U
123-91-1	1,4-Dioxane	1	0.095	U
594-20-7	2,2-Dichloropropane	1	0.0048	U
78-93-3	2-Butanone	1	0.0048	U
95-49-8	2-Chlorotoluene	1	0.0048	U
591-78-6	2-Hexanone	1	0.0048	U
106-43-4	4-Chlorotoluene	1	0.0048	U
108-10-1	4-Methyl-2-pentanone	1	0.0048	U
67-64-1	Acetone	1	0.0071	B U
107-02-8	Acrolein	1	0.0095	U
107-13-1	Acrylonitrile	1	0.0048	U
71-43-2	Benzene	1	0.0048	U
108-86-1	Bromobenzene	1	0.0048	U
74-97-5	Bromochloromethane	1	0.0048	U
75-27-4	Bromodichloromethane	1	0.0048	U
75-25-2	Bromoform	1	0.0048	U
74-83-9	Bromomethane	1	0.0048	U
75-15-0	Carbon disulfide	1	0.0048	U
56-23-5	Carbon tetrachloride	1	0.0048	U
108-90-7	Chlorobenzene	1	0.0048	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-24-12.5-13-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-08	File ID:	QV437113.D
Sampled:	06/18/24 08:40	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 12:01
Solids:	89.88	Preparation:	EPA 5035A	Initial/Final:	5.83 g / 5 ml
Batch:	BF41671	Sequence: S4F2612		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0048	U
67-66-3	Chloroform	1	0.0048	U
74-87-3	Chloromethane	1	0.0048	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0048	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0048	U
110-82-7	Cyclohexane	1	0.0048	U
124-48-1	Dibromochloromethane	1	0.0048	U
74-95-3	Dibromomethane	1	0.0048	U
75-71-8	Dichlorodifluoromethane	1	0.0048	U
100-41-4	Ethyl Benzene	1	0.0048	U
87-68-3	Hexachlorobutadiene	1	0.0048	U
98-82-8	Isopropylbenzene	1	0.0048	U
79-20-9	Methyl acetate	1	0.0048	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0048	U
108-87-2	Methylcyclohexane	1	0.0048	U
75-09-2	Methylene chloride	1	0.0095	U
104-51-8	n-Butylbenzene	1	0.0048	U
103-65-1	n-Propylbenzene	1	0.0048	U
95-47-6	o-Xylene	1	0.0048	U
179601-23-1	p- & m- Xylenes	1	0.0095	U
99-87-6	p-Isopropyltoluene	1	0.0048	U
135-98-8	sec-Butylbenzene	1	0.0048	U
100-42-5	Styrene	1	0.0048	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0048	U
98-06-6	tert-Butylbenzene	1	0.0048	U
127-18-4	Tetrachloroethylene	1	0.0048	✓ U5
108-88-3	Toluene	1	0.0048	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0048	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0048	U
79-01-6	Trichloroethylene	1	0.0048	U
75-69-4	Trichlorofluoromethane	1	0.0048	U
108-05-4	Vinyl acetate	1	0.0048	U
75-01-4	Vinyl Chloride	1	0.0048	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.7	107	77 - 125	
SURR: Toluene-d8	50.0	48.3	96.7	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.6	97.1	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-3-4-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-09	File ID:	QV437114.D
Sampled:	06/18/24 09:40	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 12:31
Solids:	83.73	Preparation:	EPA 5035A	Initial/Final:	7.08 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0042	U
71-55-6	1,1,1-Trichloroethane	1	0.0042	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0042	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0042	U
79-00-5	1,1,2-Trichloroethane	1	0.0042	U
75-34-3	1,1-Dichloroethane	1	0.0042	U
75-35-4	1,1-Dichloroethylene	1	0.0042	U
563-58-6	1,1-Dichloropropylene	1	0.0042	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0042	U
96-18-4	1,2,3-Trichloropropane	1	0.0042	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0042	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0042	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0042	U
106-93-4	1,2-Dibromoethane	1	0.0042	U
95-50-1	1,2-Dichlorobenzene	1	0.0042	U
107-06-2	1,2-Dichloroethane	1	0.0042	U
78-87-5	1,2-Dichloropropane	1	0.0042	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0042	U
541-73-1	1,3-Dichlorobenzene	1	0.0042	U
142-28-9	1,3-Dichloropropane	1	0.0042	U
106-46-7	1,4-Dichlorobenzene	1	0.0042	U
123-91-1	1,4-Dioxane	1	0.084	U
594-20-7	2,2-Dichloropropane	1	0.0042	U
78-93-3	2-Butanone	1	0.0042	U
95-49-8	2-Chlorotoluene	1	0.0042	U
591-78-6	2-Hexanone	1	0.0042	U
106-43-4	4-Chlorotoluene	1	0.0042	U
108-10-1	4-Methyl-2-pentanone	1	0.0042	U
67-64-1	Acetone	1	0.0084	U
107-02-8	Acrolein	1	0.0084	U
107-13-1	Acrylonitrile	1	0.0042	U
71-43-2	Benzene	1	0.0042	U
108-86-1	Bromobenzene	1	0.0042	U
74-97-5	Bromochloromethane	1	0.0042	U
75-27-4	Bromodichloromethane	1	0.0042	U
75-25-2	Bromoform	1	0.0042	U
74-83-9	Bromomethane	1	0.0042	U
75-15-0	Carbon disulfide	1	0.0042	U
56-23-5	Carbon tetrachloride	1	0.0042	U
108-90-7	Chlorobenzene	1	0.0042	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-3-4-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-09	File ID:	QV437114.D
Sampled:	06/18/24 09:40	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 12:31
Solids:	83.73	Preparation:	EPA 5035A	Initial/Final:	7.08 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0042	U
67-66-3	Chloroform	1	0.0042	U
74-87-3	Chloromethane	1	0.0042	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0042	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0042	U
110-82-7	Cyclohexane	1	0.0042	U
124-48-1	Dibromochloromethane	1	0.0042	U
74-95-3	Dibromomethane	1	0.0042	U
75-71-8	Dichlorodifluoromethane	1	0.0042	U
100-41-4	Ethyl Benzene	1	0.0042	U
87-68-3	Hexachlorobutadiene	1	0.0042	U
98-82-8	Isopropylbenzene	1	0.0042	U
79-20-9	Methyl acetate	1	0.0042	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0042	U
108-87-2	Methylcyclohexane	1	0.0042	U
75-09-2	Methylene chloride	1	0.0084	U
104-51-8	n-Butylbenzene	1	0.0042	U
103-65-1	n-Propylbenzene	1	0.0042	U
95-47-6	o-Xylene	1	0.0042	U
179601-23-1	p- & m- Xylenes	1	0.0084	U
99-87-6	p-Isopropyltoluene	1	0.0042	U
135-98-8	sec-Butylbenzene	1	0.0042	U
100-42-5	Styrene	1	0.0042	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0042	U
98-06-6	tert-Butylbenzene	1	0.0042	U
127-18-4	Tetrachloroethylene	1	0.0025	✗3
108-88-3	Toluene	1	0.0042	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0042	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0042	U
79-01-6	Trichloroethylene	1	0.0042	U
75-69-4	Trichlorofluoromethane	1	0.0042	U
108-05-4	Vinyl acetate	1	0.0042	U
75-01-4	Vinyl Chloride	1	0.0042	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.8	104	77 - 125	
SURR: Toluene-d8	50.0	48.4	96.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.1	98.1	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MR 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-6-7-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-10	File ID:	QV437115.D
Sampled:	06/18/24 09:50	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 13:02
Solids:	79.05	Preparation:	EPA 5035A	Initial/Final:	6.77 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0047	U
71-55-6	1,1,1-Trichloroethane	1	0.0047	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0047	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0047	U
79-00-5	1,1,2-Trichloroethane	1	0.0047	U
75-34-3	1,1-Dichloroethane	1	0.0047	U
75-35-4	1,1-Dichloroethylene	1	0.0047	U
563-58-6	1,1-Dichloropropylene	1	0.0047	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0047	U
96-18-4	1,2,3-Trichloropropane	1	0.0047	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0047	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0047	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0047	U
106-93-4	1,2-Dibromoethane	1	0.0047	U
95-50-1	1,2-Dichlorobenzene	1	0.0047	U
107-06-2	1,2-Dichloroethane	1	0.0047	U
78-87-5	1,2-Dichloropropane	1	0.0047	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0047	U
541-73-1	1,3-Dichlorobenzene	1	0.0047	U
142-28-9	1,3-Dichloropropane	1	0.0047	U
106-46-7	1,4-Dichlorobenzene	1	0.0047	U
123-91-1	1,4-Dioxane	1	0.093	U
594-20-7	2,2-Dichloropropane	1	0.0047	U
78-93-3	2-Butanone	1	0.017	
95-49-8	2-Chlorotoluene	1	0.0047	U
591-78-6	2-Hexanone	1	0.0047	U
106-43-4	4-Chlorotoluene	1	0.0047	U
108-10-1	4-Methyl-2-pentanone	1	0.0047	U
67-64-1	Acetone	1	0.060	
107-02-8	Acrolein	1	0.0093	U
107-13-1	Acrylonitrile	1	0.0047	U
71-43-2	Benzene	1	0.0047	U
108-86-1	Bromobenzene	1	0.0047	U
74-97-5	Bromochloromethane	1	0.0047	U
75-27-4	Bromodichloromethane	1	0.0047	U
75-25-2	Bromoform	1	0.0047	U
74-83-9	Bromomethane	1	0.0047	U
75-15-0	Carbon disulfide	1	0.0047	U
56-23-5	Carbon tetrachloride	1	0.0047	U
108-90-7	Chlorobenzene	1	0.0047	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-6-7-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-10	File ID:	QV437115.D
Sampled:	06/18/24 09:50	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 13:02
Solids:	79.05	Preparation:	EPA 5035A	Initial/Final:	6.77 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0047	U
67-66-3	Chloroform	1	0.0047	U
74-87-3	Chloromethane	1	0.0047	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0047	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0047	U
110-82-7	Cyclohexane	1	0.0047	U
124-48-1	Dibromochloromethane	1	0.0047	U
74-95-3	Dibromomethane	1	0.0047	U
75-71-8	Dichlorodifluoromethane	1	0.0047	U
100-41-4	Ethyl Benzene	1	0.0047	U
87-68-3	Hexachlorobutadiene	1	0.0047	U
98-82-8	Isopropylbenzene	1	0.0047	U
79-20-9	Methyl acetate	1	0.0047	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0047	U
108-87-2	Methylcyclohexane	1	0.0047	U
75-09-2	Methylene chloride	1	0.0093	U
104-51-8	n-Butylbenzene	1	0.0047	U
103-65-1	n-Propylbenzene	1	0.0047	U
95-47-6	o-Xylene	1	0.0047	U
179601-23-1	p- & m- Xylenes	1	0.0093	U
99-87-6	p-Isopropyltoluene	1	0.0047	U
135-98-8	sec-Butylbenzene	1	0.0047	U
100-42-5	Styrene	1	0.0047	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0047	U
98-06-6	tert-Butylbenzene	1	0.0047	U
127-18-4	Tetrachloroethylene	1	0.0047	✗ VS
108-88-3	Toluene	1	0.0047	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0047	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0047	U
79-01-6	Trichloroethylene	1	0.0047	U
75-69-4	Trichlorofluoromethane	1	0.0047	U
108-05-4	Vinyl acetate	1	0.0047	U
75-01-4	Vinyl Chloride	1	0.0047	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.1	106	77 - 125	
SURR: Toluene-d8	50.0	48.4	96.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.1	98.2	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-10-11-061824

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-11	File ID:	QV437116.D
Sampled:	06/18/24 10:00	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 14:31
Solids:	72.84	Preparation:	EPA 5035A	Initial/Final:	5.45 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0063	U
71-55-6	1,1,1-Trichloroethane	1	0.0063	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0063	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0063	U
79-00-5	1,1,2-Trichloroethane	1	0.0063	U
75-34-3	1,1-Dichloroethane	1	0.0063	U
75-35-4	1,1-Dichloroethylene	1	0.0063	U
563-58-6	1,1-Dichloropropylene	1	0.0063	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0063	U
96-18-4	1,2,3-Trichloropropane	1	0.0063	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0063	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0063	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0063	U
106-93-4	1,2-Dibromoethane	1	0.0063	U
95-50-1	1,2-Dichlorobenzene	1	0.0063	U
107-06-2	1,2-Dichloroethane	1	0.0063	U
78-87-5	1,2-Dichloropropane	1	0.0063	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0063	U
541-73-1	1,3-Dichlorobenzene	1	0.0063	U
142-28-9	1,3-Dichloropropane	1	0.0063	U
106-46-7	1,4-Dichlorobenzene	1	0.0063	U
123-91-1	1,4-Dioxane	1	0.13	U
594-20-7	2,2-Dichloropropane	1	0.0063	U
78-93-3	2-Butanone	1	0.018	
95-49-8	2-Chlorotoluene	1	0.0063	U
591-78-6	2-Hexanone	1	0.0063	U
106-43-4	4-Chlorotoluene	1	0.0063	U
108-10-1	4-Methyl-2-pentanone	1	0.0063	U
67-64-1	Acetone	1	0.059	
107-02-8	Acrolein	1	0.013	U
107-13-1	Acrylonitrile	1	0.0063	U
71-43-2	Benzene	1	0.0063	U
108-86-1	Bromobenzene	1	0.0063	U
74-97-5	Bromochloromethane	1	0.0063	U
75-27-4	Bromodichloromethane	1	0.0063	U
75-25-2	Bromoform	1	0.0063	U
74-83-9	Bromomethane	1	0.0063	U
75-15-0	Carbon disulfide	1	0.0063	U
56-23-5	Carbon tetrachloride	1	0.0063	U
108-90-7	Chlorobenzene	1	0.0063	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-10-11-061824

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-11	File ID:	QV437116.D
Sampled:	06/18/24 10:00	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 14:31
Solids:	72.84	Preparation:	EPA 5035A	Initial/Final:	5.45 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0063	U
67-66-3	Chloroform	1	0.0063	U
74-87-3	Chloromethane	1	0.0063	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0063	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0063	U
110-82-7	Cyclohexane	1	0.0063	U
124-48-1	Dibromochloromethane	1	0.0063	U
74-95-3	Dibromomethane	1	0.0063	U
75-71-8	Dichlorodifluoromethane	1	0.0063	U
100-41-4	Ethyl Benzene	1	0.0063	U
87-68-3	Hexachlorobutadiene	1	0.0063	U
98-82-8	Isopropylbenzene	1	0.0063	U
79-20-9	Methyl acetate	1	0.0063	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0063	U
108-87-2	Methylcyclohexane	1	0.0063	U
75-09-2	Methylene chloride	1	0.013	U
104-51-8	n-Butylbenzene	1	0.0063	U
103-65-1	n-Propylbenzene	1	0.0063	U
95-47-6	o-Xylene	1	0.0063	U
179601-23-1	p- & m- Xylenes	1	0.013	U
99-87-6	p-Isopropyltoluene	1	0.0063	U
135-98-8	sec-Butylbenzene	1	0.0063	U
100-42-5	Styrene	1	0.0063	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0063	U
98-06-6	tert-Butylbenzene	1	0.0063	U
127-18-4	Tetrachloroethylene	1	0.0063	U
108-88-3	Toluene	1	0.0063	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0063	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0063	U
79-01-6	Trichloroethylene	1	0.0063	U
75-69-4	Trichlorofluoromethane	1	0.0063	U
108-05-4	Vinyl acetate	1	0.0063	U
75-01-4	Vinyl Chloride	1	0.0063	U
1330-20-7	Xylenes, Total	1	0.019	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.4	107	77 - 125	
SURR: Toluene-d8	50.0	48.2	96.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.3	98.7	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-14.5-15-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-12	File ID:	QV437117.D
Sampled:	06/18/24 10:20	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 15:02
Solids:	86.46	Preparation:	EPA 5035A	Initial/Final:	6.42 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.090	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0045	U
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.013	U
107-02-8	Acrolein	1	0.0090	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	U
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-25-14.5-15-061824

12

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-12	File ID:	QV437117.D
Sampled:	06/18/24 10:20	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 15:02
Solids:	86.46	Preparation:	EPA 5035A	Initial/Final:	6.42 g / 5 ml
Batch:	BF41671	Sequence: S4F2612		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0090	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.0045	U
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0090	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.0045	U
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	U/VS
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.2	106	77 - 125	
SURR: Toluene-d8	50.0	48.1	96.1	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.6	97.2	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-1.5-3-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-13	File ID:	QV437118.D
Sampled:	06/18/24 10:30	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 15:35
Solids:	86.44	Preparation:	EPA 5035A	Initial/Final:	6.71 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023
				Instrument:	QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0043	U
71-55-6	1,1,1-Trichloroethane	1	0.0043	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0043	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0043	U
79-00-5	1,1,2-Trichloroethane	1	0.0043	U
75-34-3	1,1-Dichloroethane	1	0.0043	U
75-35-4	1,1-Dichloroethylene	1	0.0043	U
563-58-6	1,1-Dichloropropylene	1	0.0043	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0043	U
96-18-4	1,2,3-Trichloropropane	1	0.0043	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0043	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0043	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0043	U
106-93-4	1,2-Dibromoethane	1	0.0043	U
95-50-1	1,2-Dichlorobenzene	1	0.0043	U
107-06-2	1,2-Dichloroethane	1	0.0043	U
78-87-5	1,2-Dichloropropane	1	0.0043	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0043	U
541-73-1	1,3-Dichlorobenzene	1	0.0043	U
142-28-9	1,3-Dichloropropane	1	0.0043	U
106-46-7	1,4-Dichlorobenzene	1	0.0043	U
123-91-1	1,4-Dioxane	1	0.086	U
594-20-7	2,2-Dichloropropane	1	0.0043	U
78-93-3	2-Butanone	1	0.0043	U
95-49-8	2-Chlorotoluene	1	0.0043	U
591-78-6	2-Hexanone	1	0.0043	U
106-43-4	4-Chlorotoluene	1	0.0043	U
108-10-1	4-Methyl-2-pentanone	1	0.0043	U
67-64-1	Acetone	1	0.0086	U
107-02-8	Acrolein	1	0.0086	U
107-13-1	Acrylonitrile	1	0.0043	U
71-43-2	Benzene	1	0.0043	U
108-86-1	Bromobenzene	1	0.0043	U
74-97-5	Bromochloromethane	1	0.0043	U
75-27-4	Bromodichloromethane	1	0.0043	U
75-25-2	Bromoform	1	0.0043	U
74-83-9	Bromomethane	1	0.0043	U
75-15-0	Carbon disulfide	1	0.0043	U
56-23-5	Carbon tetrachloride	1	0.0043	U
108-90-7	Chlorobenzene	1	0.0043	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-1.5-3-061824

13

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24F1312

Client: CDM Smith Project: Speedys Cleaners 247380

Matrix: Soil Laboratory ID: 24F1312-13 File ID: QV437118.D

Sampled: 06/18/24 10:30 Prepared: 06/21/24 10:53 Analyzed: 06/21/24 15:35

Solids: 86.44 Preparation: EPA 5035A Initial/Final: 6.71 g / 5 ml

Batch: BF41671 Sequence: S4F2612 Calibration: SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0043	U
67-66-3	Chloroform	1	0.0043	U
74-87-3	Chloromethane	1	0.0043	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0043	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0043	U
110-82-7	Cyclohexane	1	0.0043	U
124-48-1	Dibromochloromethane	1	0.0043	U
74-95-3	Dibromomethane	1	0.0043	U
75-71-8	Dichlorodifluoromethane	1	0.0043	U
100-41-4	Ethyl Benzene	1	0.0043	U
87-68-3	Hexachlorobutadiene	1	0.0043	U
98-82-8	Isopropylbenzene	1	0.0043	U
79-20-9	Methyl acetate	1	0.0043	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0043	U
108-87-2	Methylcyclohexane	1	0.0043	U/J
75-09-2	Methylene chloride	1	0.0086	U
104-51-8	n-Butylbenzene	1	0.0043	U
103-65-1	n-Propylbenzene	1	0.0043	U
95-47-6	o-Xylene	1	0.0043	U
179601-23-1	p- & m- Xylenes	1	0.0086	U
99-87-6	p-Isopropyltoluene	1	0.0043	U
135-98-8	sec-Butylbenzene	1	0.0043	U
100-42-5	Styrene	1	0.0043	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0043	U
98-06-6	tert-Butylbenzene	1	0.0043	U
127-18-4	Tetrachloroethylene	1	0.012	J
108-88-3	Toluene	1	0.0043	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0043	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0043	U
79-01-6	Trichloroethylene	1	0.0043	U
75-69-4	Trichlorofluoromethane	1	0.0043	U
108-05-4	Vinyl acetate	1	0.0043	U
75-01-4	Vinyl Chloride	1	0.0043	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.9	108	77 - 125	
SURR: Toluene-d8	50.0	48.2	96.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.7	99.3	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-901-1.5-3-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-14	File ID:	QV437121.D
Sampled:	06/18/24 10:35	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 17:25
Solids:	84.23	Preparation:	EPA 5035A	Initial/Final:	6.09 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.097	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.0097	U
107-02-8	Acrolein	1	0.0097	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-901-1.5-3-061824

14

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-14	File ID:	QV437121.D
Sampled:	06/18/24 10:35	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 17:25
Solids:	84.23	Preparation:	EPA 5035A	Initial/Final:	6.09 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0049	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0097	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0097	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
127-18-4	Tetrachloroethylene	1	0.0070	J
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.0049	U
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.5	103	77 - 125	
SURR: Toluene-d8	50.0	47.8	95.7	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.4	98.8	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-5-6-061824

15

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-15	File ID:	QV437122.D
Sampled:	06/18/24 11:00	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 18:00
Solids:	80.88	Preparation:	EPA 5035A	Initial/Final:	4.14 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0075	U
71-55-6	1,1,1-Trichloroethane	1	0.0075	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0075	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0075	U
79-00-5	1,1,2-Trichloroethane	1	0.0075	U
75-34-3	1,1-Dichloroethane	1	0.0075	U
75-35-4	1,1-Dichloroethylene	1	0.0075	U
563-58-6	1,1-Dichloropropylene	1	0.0075	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0075	U
96-18-4	1,2,3-Trichloropropane	1	0.0075	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0075	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0075	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0075	U
106-93-4	1,2-Dibromoethane	1	0.0075	U
95-50-1	1,2-Dichlorobenzene	1	0.0075	U
107-06-2	1,2-Dichloroethane	1	0.0075	U
78-87-5	1,2-Dichloropropane	1	0.0075	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0075	U
541-73-1	1,3-Dichlorobenzene	1	0.0075	U
142-28-9	1,3-Dichloropropane	1	0.0075	U
106-46-7	1,4-Dichlorobenzene	1	0.0075	U
123-91-1	1,4-Dioxane	1	0.15	U
594-20-7	2,2-Dichloropropane	1	0.0075	U
78-93-3	2-Butanone	1	0.0075	U
95-49-8	2-Chlorotoluene	1	0.0075	U
591-78-6	2-Hexanone	1	0.0075	U
106-43-4	4-Chlorotoluene	1	0.0075	U
108-10-1	4-Methyl-2-pentanone	1	0.0075	U
67-64-1	Acetone	1	0.015	U
107-02-8	Acrolein	1	0.015	U
107-13-1	Acrylonitrile	1	0.0075	U
71-43-2	Benzene	1	0.0075	U
108-86-1	Bromobenzene	1	0.0075	U
74-97-5	Bromochloromethane	1	0.0075	U
75-27-4	Bromodichloromethane	1	0.0075	U
75-25-2	Bromoform	1	0.0075	U
74-83-9	Bromomethane	1	0.0075	U
75-15-0	Carbon disulfide	1	0.0075	U
56-23-5	Carbon tetrachloride	1	0.0075	U
108-90-7	Chlorobenzene	1	0.0075	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-5-6-061824

15

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-15	File ID:	QV437122.D
Sampled:	06/18/24 11:00	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 18:00
Solids:	80.88	Preparation:	EPA 5035A	Initial/Final:	4.14 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0075	U
67-66-3	Chloroform	1	0.0075	U
74-87-3	Chloromethane	1	0.0075	U
156-59-2	cis-1,2-Dichloroethylene	1	0.036	
10061-01-5	cis-1,3-Dichloropropylene	1	0.0075	U
110-82-7	Cyclohexane	1	0.0075	U
124-48-1	Dibromochloromethane	1	0.0075	U
74-95-3	Dibromomethane	1	0.0075	U
75-71-8	Dichlorodifluoromethane	1	0.0075	U
100-41-4	Ethyl Benzene	1	0.0075	U
87-68-3	Hexachlorobutadiene	1	0.0075	U
98-82-8	Isopropylbenzene	1	0.0075	U
79-20-9	Methyl acetate	1	0.0075	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0075	U
108-87-2	Methylcyclohexane	1	0.0075	U
75-09-2	Methylene chloride	1	0.015	U
104-51-8	n-Butylbenzene	1	0.0075	U
103-65-1	n-Propylbenzene	1	0.0075	U
95-47-6	o-Xylene	1	0.0075	U
179601-23-1	p- & m- Xylenes	1	0.015	U
99-87-6	p-Isopropyltoluene	1	0.0075	U
135-98-8	sec-Butylbenzene	1	0.0075	U
100-42-5	Styrene	1	0.0075	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0075	U
98-06-6	tert-Butylbenzene	1	0.0075	U
127-18-4	Tetrachloroethylene	1	0.22	J
108-88-3	Toluene	1	0.0075	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0048	J
10061-02-6	trans-1,3-Dichloropropylene	1	0.0075	U
79-01-6	Trichloroethylene	1	0.0097	
75-69-4	Trichlorofluoromethane	1	0.0075	U
108-05-4	Vinyl acetate	1	0.0075	U
75-01-4	Vinyl Chloride	1	0.0075	U
1330-20-7	Xylenes, Total	1	0.022	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.0	106	77 - 125	
SURR: Toluene-d8	50.0	49.1	98.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.0	100	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-8-8.5-061824

16

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-16	File ID:	QV437123.D
Sampled:	06/18/24 11:10	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 18:35
Solids:	91.22	Preparation:	EPA 5035A	Initial/Final:	5.95 g / 5 ml
Batch:	BF41671	Sequence: S4F2612		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.015	U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-8-8.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-16	File ID:	QV437123.D
Sampled:	06/18/24 11:10	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 18:35
Solids:	91.22	Preparation:	EPA 5035A	Initial/Final:	5.95 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.016	J
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.021	J
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.075	J
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.081	J
103-65-1	n-Propylbenzene	1	0.033	J
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.076	J
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0041	✗J
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.5	107	77 - 125	
SURR: Toluene-d8	50.0	48.5	96.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	68.6	137	76 - 130	✓

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-12-12.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-17	File ID:	QV437124.D
Sampled:	06/18/24 11:20	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 19:10
Solids:	88.65	Preparation:	EPA 5035A	Initial/Final:	6.49 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0043	U
71-55-6	1,1,1-Trichloroethane	1	0.0043	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0043	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0043	U
79-00-5	1,1,2-Trichloroethane	1	0.0043	U
75-34-3	1,1-Dichloroethane	1	0.0043	U
75-35-4	1,1-Dichloroethylene	1	0.0043	U
563-58-6	1,1-Dichloropropylene	1	0.0043	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0043	U
96-18-4	1,2,3-Trichloropropane	1	0.0043	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0043	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0043	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0043	U
106-93-4	1,2-Dibromoethane	1	0.0043	U
95-50-1	1,2-Dichlorobenzene	1	0.0043	U
107-06-2	1,2-Dichloroethane	1	0.0043	U
78-87-5	1,2-Dichloropropane	1	0.0043	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0043	U
541-73-1	1,3-Dichlorobenzene	1	0.0043	U
142-28-9	1,3-Dichloropropane	1	0.0043	U
106-46-7	1,4-Dichlorobenzene	1	0.0043	U
123-91-1	1,4-Dioxane	1	0.087	U
594-20-7	2,2-Dichloropropane	1	0.0043	U
78-93-3	2-Butanone	1	0.0043	U
95-49-8	2-Chlorotoluene	1	0.0043	U
591-78-6	2-Hexanone	1	0.0043	U
106-43-4	4-Chlorotoluene	1	0.0043	U
108-10-1	4-Methyl-2-pentanone	1	0.0043	U
67-64-1	Acetone	1	0.0073	✓ U
107-02-8	Acrolein	1	0.0087	U
107-13-1	Acrylonitrile	1	0.0043	U
71-43-2	Benzene	1	0.0043	U
108-86-1	Bromobenzene	1	0.0043	U
74-97-5	Bromochloromethane	1	0.0043	U
75-27-4	Bromodichloromethane	1	0.0043	U
75-25-2	Bromoform	1	0.0043	U
74-83-9	Bromomethane	1	0.0043	U
75-15-0	Carbon disulfide	1	0.0043	U
56-23-5	Carbon tetrachloride	1	0.0043	U
108-90-7	Chlorobenzene	1	0.0043	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-18-12-12.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-17	File ID:	QV437124.D
Sampled:	06/18/24 11:20	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 19:10
Solids:	88.65	Preparation:	EPA 5035A	Initial/Final:	6.49 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0043	U
67-66-3	Chloroform	1	0.0043	U
74-87-3	Chloromethane	1	0.0043	U
156-59-2	cis-1,2-Dichloroethylene	1	0.023	
10061-01-5	cis-1,3-Dichloropropylene	1	0.0043	U
110-82-7	Cyclohexane	1	0.0043	U
124-48-1	Dibromochloromethane	1	0.0043	U
74-95-3	Dibromomethane	1	0.0043	U
75-71-8	Dichlorodifluoromethane	1	0.0043	U
100-41-4	Ethyl Benzene	1	0.0043	U
87-68-3	Hexachlorobutadiene	1	0.0043	U
98-82-8	Isopropylbenzene	1	0.0043	U
79-20-9	Methyl acetate	1	0.0043	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0043	U
108-87-2	Methylcyclohexane	1	0.0043	U
75-09-2	Methylene chloride	1	0.0087	U
104-51-8	n-Butylbenzene	1	0.0043	U
103-65-1	n-Propylbenzene	1	0.0043	U
95-47-6	o-Xylene	1	0.0043	U
179601-23-1	p- & m- Xylenes	1	0.0087	U
99-87-6	p-Isopropyltoluene	1	0.0043	U
135-98-8	sec-Butylbenzene	1	0.0043	U
100-42-5	Styrene	1	0.0043	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0043	U
98-06-6	tert-Butylbenzene	1	0.0043	U
127-18-4	Tetrachloroethylene	1	0.073	J
108-88-3	Toluene	1	0.0043	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0037	J
10061-02-6	trans-1,3-Dichloropropylene	1	0.0043	U
79-01-6	Trichloroethylene	1	0.0037	J
75-69-4	Trichlorofluoromethane	1	0.0043	U
108-05-4	Vinyl acetate	1	0.0043	U
75-01-4	Vinyl Chloride	1	0.0043	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.8	106	77 - 125	
SURR: Toluene-d8	50.0	48.2	96.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.9	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-18	File ID:	QV437125.D
Sampled:	06/18/24 11:30	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 19:45
Solids:	73.88	Preparation:	EPA 5035A	Initial/Final:	4.77 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0071	U
71-55-6	1,1,1-Trichloroethane	1	0.0071	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0071	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0071	U
79-00-5	1,1,2-Trichloroethane	1	0.0071	U
75-34-3	1,1-Dichloroethane	1	0.0071	U
75-35-4	1,1-Dichloroethylene	1	0.0071	U
563-58-6	1,1-Dichloropropylene	1	0.0071	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0071	U
96-18-4	1,2,3-Trichloropropane	1	0.0071	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0071	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0071	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0071	U
106-93-4	1,2-Dibromoethane	1	0.0071	U
95-50-1	1,2-Dichlorobenzene	1	0.0071	U
107-06-2	1,2-Dichloroethane	1	0.0071	U
78-87-5	1,2-Dichloropropane	1	0.0071	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0071	U
541-73-1	1,3-Dichlorobenzene	1	0.0071	U
142-28-9	1,3-Dichloropropane	1	0.0071	U
106-46-7	1,4-Dichlorobenzene	1	0.0071	U
123-91-1	1,4-Dioxane	1	0.14	U
594-20-7	2,2-Dichloropropane	1	0.0071	U
78-93-3	2-Butanone	1	0.0071	U
95-49-8	2-Chlorotoluene	1	0.0071	U
591-78-6	2-Hexanone	1	0.0071	U
106-43-4	4-Chlorotoluene	1	0.0071	U
108-10-1	4-Methyl-2-pentanone	1	0.0071	U
67-64-1	Acetone	1	0.014	U
107-02-8	Acrolein	1	0.014	U
107-13-1	Acrylonitrile	1	0.0071	U
71-43-2	Benzene	1	0.0071	U
108-86-1	Bromobenzene	1	0.0071	U
74-97-5	Bromochloromethane	1	0.0071	U
75-27-4	Bromodichloromethane	1	0.0071	U
75-25-2	Bromoform	1	0.0071	U
74-83-9	Bromomethane	1	0.0071	U
75-15-0	Carbon disulfide	1	0.0071	U
56-23-5	Carbon tetrachloride	1	0.0071	U
108-90-7	Chlorobenzene	1	0.0071	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-18	File ID:	QV437125.D
Sampled:	06/18/24 11:30	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 19:45
Solids:	73.88	Preparation:	EPA 5035A	Initial/Final:	4.77 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0071	U
67-66-3	Chloroform	1	0.0071	U
74-87-3	Chloromethane	1	0.0071	U
156-59-2	cis-1,2-Dichloroethylene	1	0.028	
10061-01-5	cis-1,3-Dichloropropylene	1	0.0071	U
110-82-7	Cyclohexane	1	0.0071	U
124-48-1	Dibromochloromethane	1	0.0071	U
74-95-3	Dibromomethane	1	0.0071	U
75-71-8	Dichlorodifluoromethane	1	0.0071	U
100-41-4	Ethyl Benzene	1	0.0071	U
87-68-3	Hexachlorobutadiene	1	0.0071	U
98-82-8	Isopropylbenzene	1	0.0071	U
79-20-9	Methyl acetate	1	0.0071	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0071	U
108-87-2	Methylcyclohexane	1	0.0071	U
75-09-2	Methylene chloride	1	0.014	U
104-51-8	n-Butylbenzene	1	0.0071	U
103-65-1	n-Propylbenzene	1	0.0071	U
95-47-6	o-Xylene	1	0.0071	U
179601-23-1	p- & m- Xylenes	1	0.014	U
99-87-6	p-Isopropyltoluene	1	0.0071	U
135-98-8	sec-Butylbenzene	1	0.0071	U
100-42-5	Styrene	1	0.0071	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0071	U
98-06-6	tert-Butylbenzene	1	0.0071	U
108-88-3	Toluene	1	0.0071	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0071	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0071	U
79-01-6	Trichloroethylene	1	0.042	
75-69-4	Trichlorofluoromethane	1	0.0071	U
108-05-4	Vinyl acetate	1	0.0071	U
75-01-4	Vinyl Chloride	1	0.0071	U
1330-20-7	Xylenes, Total	1	0.021	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.5	103	77 - 125	
SURR: Toluene-d8	50.0	51.5	103	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.8	99.5	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	193581	4.76	173534	4.766	

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EPA 8260C

828109-BS-19-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-18RE1	File ID:	QV437189.D
Sampled:	06/18/24 11:30	Prepared:	06/25/24 10:53	Analyzed:	06/25/24 16:08
Solids:	73.88	Preparation:	EPA 5035A	Initial/Final:	3.99 g / 5 ml
Batch:	BF41674	Sequence:	S4F2642	Calibration:	SE40034 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
127-18-4	Tetrachloroethylene	5000	870	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	247220	4.768	271377	4.766	
ISTD: Chlorobenzene-d5	1480076	7.737	1625557	7.737	
ISTD: 1,2-Dichlorobenzene-d4	855207	10.681	872712	10.681	

* Values outside of QC limits

MAT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-4.5-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-19	File ID:	QV437126.D
Sampled:	06/18/24 11:40	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 20:21
Solids:	82.05	Preparation:	EPA 5035A	Initial/Final:	6.22 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023
				Instrument:	QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.098	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.0098	U
107-02-8	Acrolein	1	0.0098	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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EPA 8260C

828109-BS-19-4.5-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-19	File ID:	QV437126.D
Sampled:	06/18/24 11:40	Prepared:	06/21/24 10:53	Analyzed:	06/21/24 20:21
Solids:	82.05	Preparation:	EPA 5035A	Initial/Final:	6.22 g / 5 ml
Batch:	BF41671	Sequence:	S4F2612	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.030	
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0098	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0098	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.026	
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.0	102	77 - 125	
SURR: Toluene-d8	50.0	51.2	102	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.4	103	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	190645	4.76	173534	4.766	

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19D1

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-4.5-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-19RE1	File ID:	QV437188.D
Sampled:	06/18/24 11:40	Prepared:	06/25/24 10:53	Analyzed:	06/25/24 15:36
Solids:	82.05	Preparation:	EPA 5035A	Initial/Final:	5.91 g / 5 ml
Batch:	BF41674	Sequence:	S4F2642	Calibration:	SE40034
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
127-18-4	Tetrachloroethylene	100	1.5	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	258276	4.766	271377	4.766	
ISTD: Chlorobenzene-d5	1562651	7.737	1625557	7.737	
ISTD: 1,2-Dichlorobenzene-d4	903621	10.675	872712	10.681	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-10-11-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-20	File ID:	QV437147.D
Sampled:	06/18/24 11:50	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 16:46
Solids:	70.55	Preparation:	EPA 5035A	Initial/Final:	5.58 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0064	U
71-55-6	1,1,1-Trichloroethane	1	0.0064	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0064	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0064	U
79-00-5	1,1,2-Trichloroethane	1	0.0064	U
75-34-3	1,1-Dichloroethane	1	0.0064	U
75-35-4	1,1-Dichloroethylene	1	0.0064	U
563-58-6	1,1-Dichloropropylene	1	0.0064	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0064	U
96-18-4	1,2,3-Trichloropropane	1	0.0064	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0064	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0064	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0064	U
106-93-4	1,2-Dibromoethane	1	0.0064	U
95-50-1	1,2-Dichlorobenzene	1	0.0064	U
107-06-2	1,2-Dichloroethane	1	0.0064	U
78-87-5	1,2-Dichloropropane	1	0.0064	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0064	U
541-73-1	1,3-Dichlorobenzene	1	0.0064	U
142-28-9	1,3-Dichloropropane	1	0.0064	U
106-46-7	1,4-Dichlorobenzene	1	0.0064	U
123-91-1	1,4-Dioxane	1	0.13	U
594-20-7	2,2-Dichloropropane	1	0.0064	U
78-93-3	2-Butanone	1	0.028	J
95-49-8	2-Chlorotoluene	1	0.0064	U
591-78-6	2-Hexanone	1	0.0064	U
106-43-4	4-Chlorotoluene	1	0.0064	U
108-10-1	4-Methyl-2-pentanone	1	0.0064	U
67-64-1	Acetone	1	0.061	J
107-02-8	Acrolein	1	0.013	U
107-13-1	Acrylonitrile	1	0.0064	U
71-43-2	Benzene	1	0.0064	U
108-86-1	Bromobenzene	1	0.0064	U
74-97-5	Bromochloromethane	1	0.0064	U
75-27-4	Bromodichloromethane	1	0.0064	U
75-25-2	Bromoform	1	0.0064	U
74-83-9	Bromomethane	1	0.0064	U
75-15-0	Carbon disulfide	1	0.0064	U
56-23-5	Carbon tetrachloride	1	0.0064	U
108-90-7	Chlorobenzene	1	0.0064	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-19-10-11-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-20	File ID:	QV437147.D
Sampled:	06/18/24 11:50	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 16:46
Solids:	70.55	Preparation:	EPA 5035A	Initial/Final:	5.58 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0064	U
67-66-3	Chloroform	1	0.0064	U
74-87-3	Chloromethane	1	0.0064	~~U~~ UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.0064	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0064	U
110-82-7	Cyclohexane	1	0.010	J
124-48-1	Dibromochloromethane	1	0.0064	U
74-95-3	Dibromomethane	1	0.0064	U
75-71-8	Dichlorodifluoromethane	1	0.0064	~~U~~ UJ
100-41-4	Ethyl Benzene	1	0.0064	U
87-68-3	Hexachlorobutadiene	1	0.0064	U
98-82-8	Isopropylbenzene	1	0.086	J
79-20-9	Methyl acetate	1	0.0064	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0064	U
108-87-2	Methylcyclohexane	1	0.092	J
75-09-2	Methylene chloride	1	0.013	U
103-65-1	n-Propylbenzene	1	0.18	J
95-47-6	o-Xylene	1	0.0064	U
179601-23-1	p- & m- Xylenes	1	0.013	U
99-87-6	p-Isopropyltoluene	1	0.056	J
135-98-8	sec-Butylbenzene	1	0.25	J
100-42-5	Styrene	1	0.0064	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0064	U
98-06-6	tert-Butylbenzene	1	0.0064	U
127-18-4	Tetrachloroethylene	1	0.0064	U
108-88-3	Toluene	1	0.0064	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0064	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0064	U
79-01-6	Trichloroethylene	1	0.0064	U
75-69-4	Trichlorofluoromethane	1	0.0064	U
108-05-4	Vinyl acetate	1	0.0064	U
75-01-4	Vinyl Chloride	1	0.0064	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.019	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.9	106	77 - 125	
SURR: Toluene-d8	50.0	48.4	96.7	85 - 120	
SURR: p-Bromofluorobenzene	50.0	99.6	199	76 - 130	✓

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	211934	4.766	244603	4.766	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-16-16.5-061824

21

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-21	File ID:	QV437185.D
Sampled:	06/18/24 12:00	Prepared:	06/25/24 10:53	Analyzed:	06/25/24 14:05
Solids:	78.58	Preparation:	EPA 5035A	Initial/Final:	5.98 g / 5 ml
Batch:	BF41674	Sequence:	S4F2642	Calibration:	SE40034 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	100	0.53	U
71-55-6	1,1,1-Trichloroethane	100	0.53	U
79-34-5	1,1,2,2-Tetrachloroethane	100	0.53	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	100	0.53	U
79-00-5	1,1,2-Trichloroethane	100	0.53	U
75-34-3	1,1-Dichloroethane	100	0.53	U
75-35-4	1,1-Dichloroethylene	100	0.53	U VS
563-58-6	1,1-Dichloropropylene	100	0.53	U
87-61-6	1,2,3-Trichlorobenzene	100	0.53	U
96-18-4	1,2,3-Trichloropropane	100	0.53	U
120-82-1	1,2,4-Trichlorobenzene	100	0.53	U
95-63-6	1,2,4-Trimethylbenzene	100	11	D
96-12-8	1,2-Dibromo-3-chloropropane	100	0.53	U
106-93-4	1,2-Dibromoethane	100	0.53	U
95-50-1	1,2-Dichlorobenzene	100	0.53	U
107-06-2	1,2-Dichloroethane	100	0.53	U
78-87-5	1,2-Dichloropropane	100	0.53	U
108-67-8	1,3,5-Trimethylbenzene	100	0.53	U
541-73-1	1,3-Dichlorobenzene	100	0.53	U
142-28-9	1,3-Dichloropropane	100	0.53	U
106-46-7	1,4-Dichlorobenzene	100	0.53	U
123-91-1	1,4-Dioxane	100	11	U
594-20-7	2,2-Dichloropropane	100	0.53	U
78-93-3	2-Butanone	100	0.53	U
95-49-8	2-Chlorotoluene	100	0.53	U
591-78-6	2-Hexanone	100	0.53	U
106-43-4	4-Chlorotoluene	100	0.53	U
108-10-1	4-Methyl-2-pentanone	100	0.53	U
67-64-1	Acetone	100	1.1	U
107-02-8	Acrolein	100	1.1	U VS
107-13-1	Acrylonitrile	100	0.53	U
71-43-2	Benzene	100	0.53	U
108-86-1	Bromobenzene	100	0.53	U
74-97-5	Bromochloromethane	100	0.53	U VS
75-27-4	Bromodichloromethane	100	0.53	U
75-25-2	Bromoform	100	0.53	U
74-83-9	Bromomethane	100	0.53	U
75-15-0	Carbon disulfide	100	0.53	U
56-23-5	Carbon tetrachloride	100	0.53	U
108-90-7	Chlorobenzene	100	0.53	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-19-16-16.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-21	File ID:	QV437185.D
Sampled:	06/18/24 12:00	Prepared:	06/25/24 10:53	Analyzed:	06/25/24 14:05
Solids:	78.58	Preparation:	EPA 5035A	Initial/Final:	5.98 g / 5 ml
Batch:	BF41674	Sequence: S4F2642		Calibration:	SE40034 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	100	0.53	U
67-66-3	Chloroform	100	0.53	U
74-87-3	Chloromethane	100	0.53	U
156-59-2	cis-1,2-Dichloroethylene	100	0.53	U
10061-01-5	cis-1,3-Dichloropropylene	100	0.53	U
110-82-7	Cyclohexane	100	0.71	D
124-48-1	Dibromochloromethane	100	0.53	U
74-95-3	Dibromomethane	100	0.53	U
75-71-8	Dichlorodifluoromethane	100	0.53	U
100-41-4	Ethyl Benzene	100	0.53	U
87-68-3	Hexachlorobutadiene	100	0.53	U
98-82-8	Isopropylbenzene	100	2.2	D
79-20-9	Methyl acetate	100	0.53	U
1634-04-4	Methyl tert-butyl ether (MTBE)	100	0.53	U
108-87-2	Methylcyclohexane	100	4.0	D
75-09-2	Methylene chloride	100	1.1	U
104-51-8	n-Butylbenzene	100	6.7	D
103-65-1	n-Propylbenzene	100	5.2	D
95-47-6	o-Xylene	100	0.53	U
179601-23-1	p- & m- Xylenes	100	1.1	U
99-87-6	p-Isopropyltoluene	100	2.6	D
135-98-8	sec-Butylbenzene	100	5.8	D
100-42-5	Styrene	100	0.53	U
75-65-0	tert-Butyl alcohol (TBA)	100	0.53	U
98-06-6	tert-Butylbenzene	100	0.53	U
127-18-4	Tetrachloroethylene	100	3.6	D
108-88-3	Toluene	100	0.53	U
156-60-5	trans-1,2-Dichloroethylene	100	0.53	U
10061-02-6	trans-1,3-Dichloropropylene	100	0.53	U
79-01-6	Trichloroethylene	100	0.53	U
75-69-4	Trichlorofluoromethane	100	0.53	U
108-05-4	Vinyl acetate	100	0.53	U
75-01-4	Vinyl Chloride	100	0.53	U
1330-20-7	Xylenes, Total	100	1.6	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	45.3	90.6	77 - 125	D
SURR: Toluene-d8	50.0	50.7	101	85 - 120	D
SURR: p-Bromofluorobenzene	50.0	59.3	119	76 - 130	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIPBLANK-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1312-22	File ID:	QV933176.D
Sampled:	06/18/24 15:00	Prepared:	06/20/24 17:00	Analyzed:	06/21/24 09:08
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41450	Sequence:	S4F2128	Calibration:	SF40028
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.75	
107-02-8	Acrolein	1	0.500	✗ US
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.500	U
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	✗ US
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	0.500	U
74-87-3	Chloromethane	1	0.500	✗ US
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIPBLANK-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1312-22	File ID:	QV933176.D
Sampled:	06/18/24 15:00	Prepared:	06/20/24 17:00	Analyzed:	06/21/24 09:08
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41450	Sequence: S4F2128	Calibration:	SF40028	Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	U VS
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	U VS
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.36	93.6	69 - 130	
SURR: Toluene-d8	10.0	10.1	101	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.49	94.9	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	148951	5.951	107800	5.949	
ISTD: Chlorobenzene-d5	626069	8.997	464784	8.997	
ISTD: 1,2-Dichlorobenzene-d4	175531	11.984	154686	11.981	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-02-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1312-23	File ID:	QV933177.D
Sampled:	06/18/24 12:30	Prepared:	06/20/24 17:00	Analyzed:	06/21/24 09:35
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41450	Sequence:	S4F2128	Calibration:	SF40028 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.00	U
107-02-8	Acrolein	1	0.500	U VS
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.770	
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	U VS
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	9.13	
74-87-3	Chloromethane	1	0.500	U VS
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-02-061824

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24F1312

Client: CDM Smith Project: Speedys Cleaners 247380

Matrix: Water Laboratory ID: 24F1312-23 File ID: QV933177.D

Sampled: 06/18/24 12:30 Prepared: 06/20/24 17:00 Analyzed: 06/21/24 09:35

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BF41450 Sequence: S4F2128 Calibration: SF40028 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	V U5
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	V U5
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.39	93.9	69 - 130	
SURR: Toluene-d8	10.0	10.1	101	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.71	97.1	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	143289	5.952	107800	5.949	
ISTD: Chlorobenzene-d5	607544	8.997	464784	8.997	
ISTD: 1,2-Dichlorobenzene-d4	167735	11.984	154686	11.981	

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-1.5-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-24	File ID:	QV437142.D
Sampled:	06/18/24 13:15	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 14:17
Solids:	85.84	Preparation:	EPA 5035A	Initial/Final:	7.14 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0041	U
71-55-6	1,1,1-Trichloroethane	1	0.0041	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0041	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0041	U
79-00-5	1,1,2-Trichloroethane	1	0.0041	U
75-34-3	1,1-Dichloroethane	1	0.0041	U
75-35-4	1,1-Dichloroethylene	1	0.0041	U
563-58-6	1,1-Dichloropropylene	1	0.0041	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0041	U
96-18-4	1,2,3-Trichloropropane	1	0.0041	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0041	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0041	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0041	U
106-93-4	1,2-Dibromoethane	1	0.0041	U
95-50-1	1,2-Dichlorobenzene	1	0.0041	U
107-06-2	1,2-Dichloroethane	1	0.0041	U
78-87-5	1,2-Dichloropropane	1	0.0041	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0041	U
541-73-1	1,3-Dichlorobenzene	1	0.0041	U
142-28-9	1,3-Dichloropropane	1	0.0041	U
106-46-7	1,4-Dichlorobenzene	1	0.0041	U
123-91-1	1,4-Dioxane	1	0.082	U
594-20-7	2,2-Dichloropropane	1	0.0041	U
78-93-3	2-Butanone	1	0.0041	U
95-49-8	2-Chlorotoluene	1	0.0041	U
591-78-6	2-Hexanone	1	0.0041	U
106-43-4	4-Chlorotoluene	1	0.0041	U
108-10-1	4-Methyl-2-pentanone	1	0.0041	U
67-64-1	Acetone	1	0.0082	U
107-02-8	Acrolein	1	0.0082	U
107-13-1	Acrylonitrile	1	0.0041	U
71-43-2	Benzene	1	0.0041	U
108-86-1	Bromobenzene	1	0.0041	U
74-97-5	Bromochloromethane	1	0.0041	U
75-27-4	Bromodichloromethane	1	0.0041	U
75-25-2	Bromoform	1	0.0041	U
74-83-9	Bromomethane	1	0.0041	U
75-15-0	Carbon disulfide	1	0.0041	U
56-23-5	Carbon tetrachloride	1	0.0041	U
108-90-7	Chlorobenzene	1	0.0041	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-1.5-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-24	File ID:	QV437142.D
Sampled:	06/18/24 13:15	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 14:17
Solids:	85.84	Preparation:	EPA 5035A	Initial/Final:	7.14 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0041	U
67-66-3	Chloroform	1	0.0041	U
74-87-3	Chloromethane	1	0.0041	✗ UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.0041	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0041	U
110-82-7	Cyclohexane	1	0.0041	U
124-48-1	Dibromochloromethane	1	0.0041	U
74-95-3	Dibromomethane	1	0.0041	U
75-71-8	Dichlorodifluoromethane	1	0.0041	✗ UJ
100-41-4	Ethyl Benzene	1	0.0041	U
87-68-3	Hexachlorobutadiene	1	0.0041	U
98-82-8	Isopropylbenzene	1	0.0041	U
79-20-9	Methyl acetate	1	0.0041	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0041	U
108-87-2	Methylcyclohexane	1	0.0041	U
75-09-2	Methylene chloride	1	0.0082	U
104-51-8	n-Butylbenzene	1	0.0041	U
103-65-1	n-Propylbenzene	1	0.0041	U
95-47-6	o-Xylene	1	0.0041	U
179601-23-1	p- & m- Xylenes	1	0.0082	U
99-87-6	p-Isopropyltoluene	1	0.0041	U
135-98-8	sec-Butylbenzene	1	0.0041	U
100-42-5	Styrene	1	0.0041	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0041	U
98-06-6	tert-Butylbenzene	1	0.0041	U
127-18-4	Tetrachloroethylene	1	0.0041	U
108-88-3	Toluene	1	0.0041	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0041	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0041	U
79-01-6	Trichloroethylene	1	0.0041	U
75-69-4	Trichlorofluoromethane	1	0.0041	U
108-05-4	Vinyl acetate	1	0.0041	U
75-01-4	Vinyl Chloride	1	0.0041	✗ UJ
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.5	107	77 - 125	
SURR: Toluene-d8	50.0	47.0	94.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	47.9	95.8	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-7-8-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-25	File ID:	QV437143.D
Sampled:	06/18/24 13:25	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 14:46
Solids:	80.08	Preparation:	EPA 5035A	Initial/Final:	6.34 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.098	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.0098	U
107-02-8	Acrolein	1	0.0098	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-7-8-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-25	File ID:	QV437143.D
Sampled:	06/18/24 13:25	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 14:46
Solids:	80.08	Preparation:	EPA 5035A	Initial/Final:	6.34 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U VJ
156-59-2	cis-1,2-Dichloroethylene	1	0.0049	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U VJ
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0098	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0098	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
127-18-4	Tetrachloroethylene	1	0.0053	
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.0049	U
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U VJ
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.4	103	77 - 125	
SURR: Toluene-d8	50.0	47.3	94.7	85 - 120	
SURR: p-Bromofluorobenzene	50.0	47.7	95.5	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MAT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-10.5-11.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-26	File ID:	QV437144.D
Sampled:	06/18/24 13:35	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 15:16
Solids:	83.08	Preparation:	EPA 5035A	Initial/Final:	6.51 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0047	✗ U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

MAT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-10.5-11.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-26	File ID:	QV437144.D
Sampled:	06/18/24 13:35	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 15:16
Solids:	83.08	Preparation:	EPA 5035A	Initial/Final:	6.51 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	✓ U5
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	✓ U5
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.016	
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	✓ U5
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.6	103	77 - 125	
SURR: Toluene-d8	50.0	47.4	94.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	47.9	95.8	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-16-17-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-27	File ID:	QV437148.D
Sampled:	06/18/24 13:45	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 17:17
Solids:	79.58	Preparation:	EPA 5035A	Initial/Final:	6.2 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0051	U
71-55-6	1,1,1-Trichloroethane	1	0.0051	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0051	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0051	U
79-00-5	1,1,2-Trichloroethane	1	0.0051	U
75-34-3	1,1-Dichloroethane	1	0.0051	U
75-35-4	1,1-Dichloroethylene	1	0.0051	U
563-58-6	1,1-Dichloropropylene	1	0.0051	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0051	U
96-18-4	1,2,3-Trichloropropane	1	0.0051	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0051	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0051	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0051	U
106-93-4	1,2-Dibromoethane	1	0.0051	U
95-50-1	1,2-Dichlorobenzene	1	0.0051	U
107-06-2	1,2-Dichloroethane	1	0.0051	U
78-87-5	1,2-Dichloropropane	1	0.0051	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0051	U
541-73-1	1,3-Dichlorobenzene	1	0.0051	U
142-28-9	1,3-Dichloropropane	1	0.0051	U
106-46-7	1,4-Dichlorobenzene	1	0.0051	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0051	U
78-93-3	2-Butanone	1	0.0051	U
95-49-8	2-Chlorotoluene	1	0.0051	U
591-78-6	2-Hexanone	1	0.0051	U
106-43-4	4-Chlorotoluene	1	0.0051	U
108-10-1	4-Methyl-2-pentanone	1	0.0051	U
67-64-1	Acetone	1	0.010	U
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0051	U
71-43-2	Benzene	1	0.0051	U
108-86-1	Bromobenzene	1	0.0051	U
74-97-5	Bromochloromethane	1	0.0051	U
75-27-4	Bromodichloromethane	1	0.0051	U
75-25-2	Bromoform	1	0.0051	U
74-83-9	Bromomethane	1	0.0051	U
75-15-0	Carbon disulfide	1	0.0051	U
56-23-5	Carbon tetrachloride	1	0.0051	U
108-90-7	Chlorobenzene	1	0.0051	U

MA 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-15-16-17-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-27	File ID:	QV437148.D
Sampled:	06/18/24 13:45	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 17:17
Solids:	79.58	Preparation:	EPA 5035A	Initial/Final:	6.2 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0051	U
67-66-3	Chloroform	1	0.0051	U
74-87-3	Chloromethane	1	0.0051	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0051	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0051	U
110-82-7	Cyclohexane	1	0.0051	U
124-48-1	Dibromochloromethane	1	0.0051	U
74-95-3	Dibromomethane	1	0.0051	U
75-71-8	Dichlorodifluoromethane	1	0.0051	U
100-41-4	Ethyl Benzene	1	0.0051	U
87-68-3	Hexachlorobutadiene	1	0.0051	U
98-82-8	Isopropylbenzene	1	0.0051	U
79-20-9	Methyl acetate	1	0.0051	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0051	U
108-87-2	Methylcyclohexane	1	0.0051	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0051	U
103-65-1	n-Propylbenzene	1	0.0051	U
95-47-6	o-Xylene	1	0.0051	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0051	U
135-98-8	sec-Butylbenzene	1	0.0051	U
100-42-5	Styrene	1	0.0051	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0051	U
98-06-6	tert-Butylbenzene	1	0.0051	U
127-18-4	Tetrachloroethylene	1	0.0074	
108-88-3	Toluene	1	0.0051	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0051	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0051	U
79-01-6	Trichloroethylene	1	0.0051	U
75-69-4	Trichlorofluoromethane	1	0.0051	U
108-05-4	Vinyl acetate	1	0.0051	U
75-01-4	Vinyl Chloride	1	0.0051	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.4	101	77 - 125	
SURR: Toluene-d8	50.0	47.4	94.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.8	97.7	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

NT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-28	File ID:	QV437149.D
Sampled:	06/18/24 14:00	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 17:50
Solids:	95.41	Preparation:	EPA 5035A	Initial/Final:	5.12 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0051	U
71-55-6	1,1,1-Trichloroethane	1	0.0051	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0051	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0051	U
79-00-5	1,1,2-Trichloroethane	1	0.0051	U
75-34-3	1,1-Dichloroethane	1	0.0051	U
75-35-4	1,1-Dichloroethylene	1	0.0051	U
563-58-6	1,1-Dichloropropylene	1	0.0051	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0051	U
96-18-4	1,2,3-Trichloropropane	1	0.0051	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0051	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0051	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0051	U
106-93-4	1,2-Dibromoethane	1	0.0051	U
95-50-1	1,2-Dichlorobenzene	1	0.0051	U
107-06-2	1,2-Dichloroethane	1	0.0051	U
78-87-5	1,2-Dichloropropane	1	0.0051	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0051	U
541-73-1	1,3-Dichlorobenzene	1	0.0051	U
142-28-9	1,3-Dichloropropane	1	0.0051	U
106-46-7	1,4-Dichlorobenzene	1	0.0051	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0051	U
78-93-3	2-Butanone	1	0.0051	U
95-49-8	2-Chlorotoluene	1	0.0051	U
591-78-6	2-Hexanone	1	0.0051	U
106-43-4	4-Chlorotoluene	1	0.0051	U
108-10-1	4-Methyl-2-pentanone	1	0.0051	U
67-64-1	Acetone	1	0.010	U
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0051	U
71-43-2	Benzene	1	0.0051	U
108-86-1	Bromobenzene	1	0.0051	U
74-97-5	Bromochloromethane	1	0.0051	U
75-27-4	Bromodichloromethane	1	0.0051	U
75-25-2	Bromoform	1	0.0051	U
74-83-9	Bromomethane	1	0.0051	U
75-15-0	Carbon disulfide	1	0.0051	U
56-23-5	Carbon tetrachloride	1	0.0051	U
108-90-7	Chlorobenzene	1	0.0051	U

MAT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-1-2-061824

28

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-28	File ID:	QV437149.D
Sampled:	06/18/24 14:00	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 17:50
Solids:	95.41	Preparation:	EPA 5035A	Initial/Final:	5.12 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0051	U
67-66-3	Chloroform	1	0.0051	U
74-87-3	Chloromethane	1	0.0051	✓ U5
156-59-2	cis-1,2-Dichloroethylene	1	0.0051	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0051	U
110-82-7	Cyclohexane	1	0.0051	U
124-48-1	Dibromochloromethane	1	0.0051	U
74-95-3	Dibromomethane	1	0.0051	U
75-71-8	Dichlorodifluoromethane	1	0.0051	✓ U5
100-41-4	Ethyl Benzene	1	0.0051	U
87-68-3	Hexachlorobutadiene	1	0.0051	U
98-82-8	Isopropylbenzene	1	0.0051	U
79-20-9	Methyl acetate	1	0.0051	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0051	U
108-87-2	Methylcyclohexane	1	0.0051	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0051	U
103-65-1	n-Propylbenzene	1	0.0051	U
95-47-6	o-Xylene	1	0.0051	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0051	U
135-98-8	sec-Butylbenzene	1	0.0051	U
100-42-5	Styrene	1	0.0051	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0051	U
98-06-6	tert-Butylbenzene	1	0.0051	U
127-18-4	Tetrachloroethylene	1	0.0051	U
108-88-3	Toluene	1	0.0051	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0051	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0051	U
79-01-6	Trichloroethylene	1	0.0051	U
75-69-4	Trichlorofluoromethane	1	0.0051	U
108-05-4	Vinyl acetate	1	0.0051	U
75-01-4	Vinyl Chloride	1	0.0051	✓ U5
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.3	101	77 - 125	
SURR: Toluene-d8	50.0	47.9	95.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.6	97.1	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-7-8-061824

29

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-29	File ID:	QV437154.D
Sampled:	06/18/24 14:10	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 20:24
Solids:	77.15	Preparation:	EPA 5035A	Initial/Final:	6.38 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0051	U
71-55-6	1,1,1-Trichloroethane	1	0.0051	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0051	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0051	U
79-00-5	1,1,2-Trichloroethane	1	0.0051	U
75-34-3	1,1-Dichloroethane	1	0.0051	U
75-35-4	1,1-Dichloroethylene	1	0.0051	U
563-58-6	1,1-Dichloropropylene	1	0.0051	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0051	U
96-18-4	1,2,3-Trichloropropane	1	0.0051	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0051	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0051	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0051	U
106-93-4	1,2-Dibromoethane	1	0.0051	U
95-50-1	1,2-Dichlorobenzene	1	0.0051	U
107-06-2	1,2-Dichloroethane	1	0.0051	U
78-87-5	1,2-Dichloropropane	1	0.0051	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0051	U
541-73-1	1,3-Dichlorobenzene	1	0.0051	U
142-28-9	1,3-Dichloropropane	1	0.0051	U
106-46-7	1,4-Dichlorobenzene	1	0.0051	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0051	U
78-93-3	2-Butanone	1	0.0085	J
95-49-8	2-Chlorotoluene	1	0.0051	U
591-78-6	2-Hexanone	1	0.0051	U
106-43-4	4-Chlorotoluene	1	0.0051	U
108-10-1	4-Methyl-2-pentanone	1	0.0051	U
67-64-1	Acetone	1	0.034	J
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0051	U
71-43-2	Benzene	1	0.0051	U
108-86-1	Bromobenzene	1	0.0051	U
74-97-5	Bromochloromethane	1	0.0051	U
75-27-4	Bromodichloromethane	1	0.0051	U
75-25-2	Bromoform	1	0.0051	U
74-83-9	Bromomethane	1	0.0051	U
75-15-0	Carbon disulfide	1	0.0051	U
56-23-5	Carbon tetrachloride	1	0.0051	U
108-90-7	Chlorobenzene	1	0.0051	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-7-8-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-29	File ID:	QV437154.D
Sampled:	06/18/24 14:10	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 20:24
Solids:	77.15	Preparation:	EPA 5035A	Initial/Final:	6.38 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0051	U
67-66-3	Chloroform	1	0.0051	U
74-87-3	Chloromethane	1	0.0051	✗ UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.0051	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0051	U
110-82-7	Cyclohexane	1	0.0051	U
124-48-1	Dibromochloromethane	1	0.0051	U
74-95-3	Dibromomethane	1	0.0051	U
75-71-8	Dichlorodifluoromethane	1	0.0051	✗ UJ
100-41-4	Ethyl Benzene	1	0.0051	U
87-68-3	Hexachlorobutadiene	1	0.0051	U
98-82-8	Isopropylbenzene	1	0.028	J
79-20-9	Methyl acetate	1	0.0051	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0051	U
108-87-2	Methylcyclohexane	1	0.0028	✗ J
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.17	J
103-65-1	n-Propylbenzene	1	0.069	J
95-47-6	o-Xylene	1	0.0051	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.032	J
135-98-8	sec-Butylbenzene	1	0.13	J
100-42-5	Styrene	1	0.0051	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0051	U
98-06-6	tert-Butylbenzene	1	0.0051	U
127-18-4	Tetrachloroethylene	1	0.0051	U
108-88-3	Toluene	1	0.0051	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0051	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0051	U
79-01-6	Trichloroethylene	1	0.0051	U
75-69-4	Trichlorofluoromethane	1	0.0051	U
108-05-4	Vinyl acetate	1	0.0051	U
75-01-4	Vinyl Chloride	1	0.0051	✗ UJ
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.0	104	77 - 125	
SURR: Toluene-d8	50.0	47.8	95.6	85 - 120	
SURR: p-Bromofluorobenzene	50.0	88.8	178	76 - 130	✓

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-11.5-12.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-30	File ID:	QV437150.D
Sampled:	06/18/24 14:20	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 18:21
Solids:	91.26	Preparation:	EPA 5035A	Initial/Final:	6.23 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0044	U
71-55-6	1,1,1-Trichloroethane	1	0.0044	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0044	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0044	U
79-00-5	1,1,2-Trichloroethane	1	0.0044	U
75-34-3	1,1-Dichloroethane	1	0.0044	U
75-35-4	1,1-Dichloroethylene	1	0.0044	U
563-58-6	1,1-Dichloropropylene	1	0.0044	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0044	U
96-18-4	1,2,3-Trichloropropane	1	0.0044	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0044	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0044	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0044	U
106-93-4	1,2-Dibromoethane	1	0.0044	U
95-50-1	1,2-Dichlorobenzene	1	0.0044	U
107-06-2	1,2-Dichloroethane	1	0.0044	U
78-87-5	1,2-Dichloropropane	1	0.0044	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0044	U
541-73-1	1,3-Dichlorobenzene	1	0.0044	U
142-28-9	1,3-Dichloropropane	1	0.0044	U
106-46-7	1,4-Dichlorobenzene	1	0.0044	U
123-91-1	1,4-Dioxane	1	0.088	U
594-20-7	2,2-Dichloropropane	1	0.0044	U
78-93-3	2-Butanone	1	0.0044	U
95-49-8	2-Chlorotoluene	1	0.0044	U
591-78-6	2-Hexanone	1	0.0044	U
106-43-4	4-Chlorotoluene	1	0.0044	U
108-10-1	4-Methyl-2-pentanone	1	0.0044	U
67-64-1	Acetone	1	0.0088	U
107-02-8	Acrolein	1	0.0088	U
107-13-1	Acrylonitrile	1	0.0044	U
71-43-2	Benzene	1	0.0044	U
108-86-1	Bromobenzene	1	0.0044	U
74-97-5	Bromochloromethane	1	0.0044	U
75-27-4	Bromodichloromethane	1	0.0044	U
75-25-2	Bromoform	1	0.0044	U
74-83-9	Bromomethane	1	0.0044	U
75-15-0	Carbon disulfide	1	0.0044	U
56-23-5	Carbon tetrachloride	1	0.0044	U
108-90-7	Chlorobenzene	1	0.0044	U

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-11.5-12.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-30	File ID:	QV437150.D
Sampled:	06/18/24 14:20	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 18:21
Solids:	91.26	Preparation:	EPA 5035A	Initial/Final:	6.23 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023
				Instrument:	QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0044	U
67-66-3	Chloroform	1	0.0044	U
74-87-3	Chloromethane	1	0.0044	U UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.0044	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0044	U
110-82-7	Cyclohexane	1	0.0044	U
124-48-1	Dibromochloromethane	1	0.0044	U
74-95-3	Dibromomethane	1	0.0044	U
75-71-8	Dichlorodifluoromethane	1	0.0044	U UJ
100-41-4	Ethyl Benzene	1	0.0044	U
87-68-3	Hexachlorobutadiene	1	0.0044	U
98-82-8	Isopropylbenzene	1	0.0044	U
79-20-9	Methyl acetate	1	0.0044	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0044	U
108-87-2	Methylcyclohexane	1	0.0044	U
75-09-2	Methylene chloride	1	0.0088	U
104-51-8	n-Butylbenzene	1	0.0044	U
103-65-1	n-Propylbenzene	1	0.0044	U
95-47-6	o-Xylene	1	0.0044	U
179601-23-1	p- & m- Xylenes	1	0.0088	U
99-87-6	p-Isopropyltoluene	1	0.0044	U
135-98-8	sec-Butylbenzene	1	0.0044	U
100-42-5	Styrene	1	0.0044	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0044	U
98-06-6	tert-Butylbenzene	1	0.0044	U
127-18-4	Tetrachloroethylene	1	0.0044	U
108-88-3	Toluene	1	0.0044	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0044	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0044	U
79-01-6	Trichloroethylene	1	0.0044	U
75-69-4	Trichlorofluoromethane	1	0.0044	U
108-05-4	Vinyl acetate	1	0.0044	U
75-01-4	Vinyl Chloride	1	0.0044	U UJ
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.1	102	77 - 125	
SURR: Toluene-d8	50.0	47.0	94.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.6	97.2	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-16.5-17-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-31	File ID:	QV437156.D
Sampled:	06/18/24 14:30	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 21:23
Solids:	91.51	Preparation:	EPA 5035A	Initial/Final:	7.13 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0038	U
71-55-6	1,1,1-Trichloroethane	1	0.0038	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0038	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0038	U
79-00-5	1,1,2-Trichloroethane	1	0.0038	U
75-34-3	1,1-Dichloroethane	1	0.0038	U
75-35-4	1,1-Dichloroethylene	1	0.0038	U
563-58-6	1,1-Dichloropropylene	1	0.0038	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0038	U
96-18-4	1,2,3-Trichloropropane	1	0.0038	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0038	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0038	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0038	U
106-93-4	1,2-Dibromoethane	1	0.0038	U
95-50-1	1,2-Dichlorobenzene	1	0.0038	U
107-06-2	1,2-Dichloroethane	1	0.0038	U
78-87-5	1,2-Dichloropropane	1	0.0038	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0038	U
541-73-1	1,3-Dichlorobenzene	1	0.0038	U
142-28-9	1,3-Dichloropropane	1	0.0038	U
106-46-7	1,4-Dichlorobenzene	1	0.0038	U
123-91-1	1,4-Dioxane	1	0.077	U
594-20-7	2,2-Dichloropropane	1	0.0038	U
78-93-3	2-Butanone	1	0.0038	U
95-49-8	2-Chlorotoluene	1	0.0038	U
591-78-6	2-Hexanone	1	0.0038	U
106-43-4	4-Chlorotoluene	1	0.0038	U
108-10-1	4-Methyl-2-pentanone	1	0.0038	U
67-64-1	Acetone	1	0.0083	U
107-02-8	Acrolein	1	0.0077	U
107-13-1	Acrylonitrile	1	0.0038	U
71-43-2	Benzene	1	0.0038	U
108-86-1	Bromobenzene	1	0.0038	U
74-97-5	Bromochloromethane	1	0.0038	U
75-27-4	Bromodichloromethane	1	0.0038	U
75-25-2	Bromoform	1	0.0038	U
74-83-9	Bromomethane	1	0.0038	U
75-15-0	Carbon disulfide	1	0.0038	U
56-23-5	Carbon tetrachloride	1	0.0038	U
108-90-7	Chlorobenzene	1	0.0038	U

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-16-16.5-17-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-31	File ID:	QV437156.D
Sampled:	06/18/24 14:30	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 21:23
Solids:	91.51	Preparation:	EPA 5035A	Initial/Final:	7.13 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0038	U
67-66-3	Chloroform	1	0.0038	U
74-87-3	Chloromethane	1	0.0038	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0038	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0038	U
110-82-7	Cyclohexane	1	0.0053	
124-48-1	Dibromochloromethane	1	0.0038	U
74-95-3	Dibromomethane	1	0.0038	U
75-71-8	Dichlorodifluoromethane	1	0.0038	U
100-41-4	Ethyl Benzene	1	0.0038	U
87-68-3	Hexachlorobutadiene	1	0.0038	U
98-82-8	Isopropylbenzene	1	0.0026	J
79-20-9	Methyl acetate	1	0.0038	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0038	U
108-87-2	Methylcyclohexane	1	0.023	
75-09-2	Methylene chloride	1	0.0077	U
104-51-8	n-Butylbenzene	1	0.012	
103-65-1	n-Propylbenzene	1	0.0038	
95-47-6	o-Xylene	1	0.0038	U
179601-23-1	p- & m- Xylenes	1	0.0077	U
99-87-6	p-Isopropyltoluene	1	0.0023	J
135-98-8	sec-Butylbenzene	1	0.018	
100-42-5	Styrene	1	0.0038	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0038	U
98-06-6	tert-Butylbenzene	1	0.0038	U
127-18-4	Tetrachloroethylene	1	0.0038	U
108-88-3	Toluene	1	0.0038	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0038	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0038	U
79-01-6	Trichloroethylene	1	0.0038	U
75-69-4	Trichlorofluoromethane	1	0.0038	U
108-05-4	Vinyl acetate	1	0.0038	U
75-01-4	Vinyl Chloride	1	0.0038	U
1330-20-7	Xylenes, Total	1	0.011	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.2	102	77 - 125	
SURR: Toluene-d8	50.0	47.0	94.1	85 - 120	
SURR: p-Bromofluorobenzene	50.0	54.8	110	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-17-5.5-6.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-32	File ID:	QV437151.D
Sampled:	06/18/24 14:40	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 18:53
Solids:	77.40	Preparation:	EPA 5035A	Initial/Final:	6.58 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.098	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.0098	U
107-02-8	Acrolein	1	0.0098	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-17-5.5-6.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-32	File ID:	QV437151.D
Sampled:	06/18/24 14:40	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 18:53
Solids:	77.40	Preparation:	EPA 5035A	Initial/Final:	6.58 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0049	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0098	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0098	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
127-18-4	Tetrachloroethylene	1	0.0049	U
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.0049	U
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.9	104	77 - 125	
SURR: Toluene-d8	50.0	46.9	93.7	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.3	96.6	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-17-11-11.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-33	File ID:	QV437152.D
Sampled:	06/18/24 14:50	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 19:24
Solids:	81.00	Preparation:	EPA 5035A	Initial/Final:	6.55 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0047	U
71-55-6	1,1,1-Trichloroethane	1	0.0047	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0047	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0047	U
79-00-5	1,1,2-Trichloroethane	1	0.0047	U
75-34-3	1,1-Dichloroethane	1	0.0047	U
75-35-4	1,1-Dichloroethylene	1	0.0047	U
563-58-6	1,1-Dichloropropylene	1	0.0047	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0047	U
96-18-4	1,2,3-Trichloropropane	1	0.0047	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0047	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0047	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0047	U
106-93-4	1,2-Dibromoethane	1	0.0047	U
95-50-1	1,2-Dichlorobenzene	1	0.0047	U
107-06-2	1,2-Dichloroethane	1	0.0047	U
78-87-5	1,2-Dichloropropane	1	0.0047	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0047	U
541-73-1	1,3-Dichlorobenzene	1	0.0047	U
142-28-9	1,3-Dichloropropane	1	0.0047	U
106-46-7	1,4-Dichlorobenzene	1	0.0047	U
123-91-1	1,4-Dioxane	1	0.094	U
594-20-7	2,2-Dichloropropane	1	0.0047	U
78-93-3	2-Butanone	1	0.0045	J
95-49-8	2-Chlorotoluene	1	0.0047	U
591-78-6	2-Hexanone	1	0.0047	U
106-43-4	4-Chlorotoluene	1	0.0047	U
108-10-1	4-Methyl-2-pentanone	1	0.0047	U
67-64-1	Acetone	1	0.027	U
107-02-8	Acrolein	1	0.0094	U
107-13-1	Acrylonitrile	1	0.0047	U
71-43-2	Benzene	1	0.0047	U
108-86-1	Bromobenzene	1	0.0047	U
74-97-5	Bromochloromethane	1	0.0047	U
75-27-4	Bromodichloromethane	1	0.0047	U
75-25-2	Bromoform	1	0.0047	U
74-83-9	Bromomethane	1	0.0047	U
75-15-0	Carbon disulfide	1	0.0047	U
56-23-5	Carbon tetrachloride	1	0.0047	U
108-90-7	Chlorobenzene	1	0.0047	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-17-11-11.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-33	File ID:	QV437152.D
Sampled:	06/18/24 14:50	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 19:24
Solids:	81.00	Preparation:	EPA 5035A	Initial/Final:	6.55 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0047	U
67-66-3	Chloroform	1	0.0047	U
74-87-3	Chloromethane	1	0.0047	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0047	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0047	U
110-82-7	Cyclohexane	1	0.017	
124-48-1	Dibromochloromethane	1	0.0047	U
74-95-3	Dibromomethane	1	0.0047	U
75-71-8	Dichlorodifluoromethane	1	0.0047	U
100-41-4	Ethyl Benzene	1	0.0047	U
87-68-3	Hexachlorobutadiene	1	0.0047	U
98-82-8	Isopropylbenzene	1	0.021	
79-20-9	Methyl acetate	1	0.0047	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0047	U
108-87-2	Methylcyclohexane	1	0.061	
75-09-2	Methylene chloride	1	0.0094	U
104-51-8	n-Butylbenzene	1	0.029	
103-65-1	n-Propylbenzene	1	0.039	
95-47-6	o-Xylene	1	0.0047	U
179601-23-1	p- & m- Xylenes	1	0.0094	U
99-87-6	p-Isopropyltoluene	1	0.0047	U
135-98-8	sec-Butylbenzene	1	0.036	
100-42-5	Styrene	1	0.0047	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0047	U
98-06-6	tert-Butylbenzene	1	0.0047	U
127-18-4	Tetrachloroethylene	1	0.0047	U
108-88-3	Toluene	1	0.0047	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0047	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0047	U
79-01-6	Trichloroethylene	1	0.0047	U
75-69-4	Trichlorofluoromethane	1	0.0047	U
108-05-4	Vinyl acetate	1	0.0047	U
75-01-4	Vinyl Chloride	1	0.0047	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.4	103	77 - 125	
SURR: Toluene-d8	50.0	47.1	94.1	85 - 120	
SURR: p-Bromofluorobenzene	50.0	57.1	114	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-17-14-15-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1312
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1312-34	File ID:	QV437153.D
Sampled:	06/18/24 15:00	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 19:54
Solids:	79.58	Preparation:	EPA 5035A	Initial/Final:	6.31 g / 5 ml
Batch:	BF41672	Sequence:	S4F2614	Calibration:	SF40023 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0050	U
71-55-6	1,1,1-Trichloroethane	1	0.0050	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0050	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0050	U
79-00-5	1,1,2-Trichloroethane	1	0.0050	U
75-34-3	1,1-Dichloroethane	1	0.0050	U
75-35-4	1,1-Dichloroethylene	1	0.0050	U
563-58-6	1,1-Dichloropropylene	1	0.0050	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0050	U
96-18-4	1,2,3-Trichloropropane	1	0.0050	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0050	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0050	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0050	U
95-50-1	1,2-Dichlorobenzene	1	0.0050	U
107-06-2	1,2-Dichloroethane	1	0.0050	U
78-87-5	1,2-Dichloropropane	1	0.0050	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0050	U
541-73-1	1,3-Dichlorobenzene	1	0.0050	U
142-28-9	1,3-Dichloropropane	1	0.0050	U
106-46-7	1,4-Dichlorobenzene	1	0.0050	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0050	U
78-93-3	2-Butanone	1	0.0050	U
95-49-8	2-Chlorotoluene	1	0.0050	U
591-78-6	2-Hexanone	1	0.0050	U
106-43-4	4-Chlorotoluene	1	0.0050	U
108-10-1	4-Methyl-2-pentanone	1	0.0050	U
67-64-1	Acetone	1	0.036	
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0050	U
71-43-2	Benzene	1	0.0050	U
108-86-1	Bromobenzene	1	0.0050	U
74-97-5	Bromochloromethane	1	0.0050	U
75-27-4	Bromodichloromethane	1	0.0050	U
75-25-2	Bromoform	1	0.0050	U
74-83-9	Bromomethane	1	0.0050	U
75-15-0	Carbon disulfide	1	0.0050	U
56-23-5	Carbon tetrachloride	1	0.0050	U
108-90-7	Chlorobenzene	1	0.0050	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-17-14-15-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1312	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1312-34	File ID:	QV437153.D
Sampled:	06/18/24 15:00	Prepared:	06/24/24 11:10	Analyzed:	06/24/24 19:54
Solids:	79.58	Preparation:	EPA 5035A	Initial/Final:	6.31 g / 5 ml
Batch:	BF41672	Sequence: S4F2614		Calibration: SF40023	Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0050	U
67-66-3	Chloroform	1	0.0050	U
74-87-3	Chloromethane	1	0.0050	U V5
156-59-2	cis-1,2-Dichloroethylene	1	0.0050	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0050	U
110-82-7	Cyclohexane	1	0.0050	U
124-48-1	Dibromochloromethane	1	0.0050	U
74-95-3	Dibromomethane	1	0.0050	U
75-71-8	Dichlorodifluoromethane	1	0.0050	U V5
100-41-4	Ethyl Benzene	1	0.0050	U
87-68-3	Hexachlorobutadiene	1	0.0050	U
98-82-8	Isopropylbenzene	1	0.0050	U
79-20-9	Methyl acetate	1	0.0050	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0050	U
108-87-2	Methylcyclohexane	1	0.0050	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0050	U
103-65-1	n-Propylbenzene	1	0.0050	U
95-47-6	o-Xylene	1	0.0050	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0050	U
135-98-8	sec-Butylbenzene	1	0.0050	U
100-42-5	Styrene	1	0.0050	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0050	U
98-06-6	tert-Butylbenzene	1	0.0050	U
127-18-4	Tetrachloroethylene	1	0.0050	U
108-88-3	Toluene	1	0.0050	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0050	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0050	U
79-01-6	Trichloroethylene	1	0.0050	U
75-69-4	Trichlorofluoromethane	1	0.0050	U
108-05-4	Vinyl acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0050	U V5
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.4	103	77 - 125	
SURR: Toluene-d8	50.0	47.4	94.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.7	97.5	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MR 8/13/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1314
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 15, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-23-4-5-061824	24F1314-01	Soil
2	828109-BS-24-8-9-061824	24F1314-02	Soil
3	828109-BS-25-6-7-061824	24F1314-03	Soil
4	828109-BS-18-1.5-3-061824	24F1314-04	Soil
5	828109-BS-19-10-11-061824	24F1314-05	Soil
6	EB-02-061824	24F1314-05	Water
7	828109-BS-15-7-8-061824	24F1314-07	Soil
8	828109-BS-16-1-2-061824	24F1314-08	Soil
9	828109-BS-17-5.5-6.5-061824	24F1314-09	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for eight soil samples and one aqueous equipment blank sample collected on June 18, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Analysis of Perfluoroalkyl Substances in Environmental Samples by Liquid Chromatography and Tandem Mass Spectrometry (LC-MS/MS).

Specific method references are as follows:

Analysis	*Method References*
PFAS	USEPA Method 1633

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

PFAS

- Data Completeness

- Holding times and sample preservation
- Liquid Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were minor rejections of data. This data cannot be used in the decision-making process for this project.

- Several compounds were rejected (R) due to severely low surrogate recoveries.

The remaining data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Perfluorinated Alkyl Substances (PFAS)

Holding Times

- All holding time criteria were met.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent difference (%D) except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
6/7/24 (1750)	FPePA	36.4%	UJ	9
	FPrPA	38.7%		

Method Blank

- The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
BF41774-BLK1	PFBA	1.76	U	6

Field QC Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
EB-02-061824	None - ND	-	-	-

Surrogate Spike Recoveries

- Several surrogates recovered outside of QC limits. See summary forms for details.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R) except for the following.

LCS ID	Compound	LCS %R	Qualifier	Affected Samples
BF41640-BS1	PFDoS	48.5%	UJ	1-5, 7-9
BF41774-BS1	PFMPA	19.5%	UJ	6

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-23-4-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-01	File ID:	QQQ40845.d
Sampled:	06/18/24 07:40	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 15:42
Solids:	85.83	Preparation:	EPA 1633 Prep	Initial/Final:	5.02 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.205	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.232	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.232	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.212	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.232	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.216	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.232	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.232	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.232	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.232	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.232	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.232	U
2355-31-9	N-MeFOSAA	1	0.232	U
2991-50-6	N-EtFOSAA	1	0.232	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.464	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.232	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.232	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.224	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.882	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.891	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.928	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.413	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.464	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.464	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.464	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.218	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.870	U
13252-13-6	HFPO-DA (Gen-X)	1	0.928	U
763051-92-9	11CL-PF3OUdS	1	0.877	U
756426-58-1	9CL-PF3ONS	1	0.868	U
919005-14-4	ADONA	1	0.877	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.225	U UJ
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.223	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.16	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.80	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.80	U
24448-09-7	N-MeFOSE	1	2.32	U UJ
31506-32-8	N-MeFOSA	1	0.232	U
1691-99-2	N-EtFOSE	1	2.32	U UJ
4151-50-2	N-EtFOSA	1	0.232	U

MA 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-23-4-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1314	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1314-01	File ID:	QQQ40845.d
Sampled:	06/18/24 07:40	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 15:42
Solids:	85.83	Preparation:	EPA 1633 Prep	Initial/Final:	5.02 g / 5 mL
Batch:	BF41640	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.70	2.51	92.7	25 - 150	
M5PFHxA	2.90	2.44	84.2	25 - 150	
M4PFHpA	2.90	2.10	72.2	25 - 150	
M3PFHxS	2.75	2.78	101	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.90	2.52	86.7	25 - 150	
M6PFDA	1.45	1.00	69.1	25 - 150	
M7PFUdA	1.45	0.975	67.2	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.45	0.778	53.6	25 - 150	
M2PFTeDA	1.45	0.769	53.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.6	10.0	86.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.78	2.71	97.5	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.80	4.49	77.3	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.90	1.49	51.5	10 - 150	
d3-N-MeFOSAA	5.80	4.06	70.0	25 - 150	
d5-N-EtFOSAA	5.80	3.90	67.3	25 - 150	
M2-6:2 FTS	5.52	6.47	117	25 - 200	
M2-8:2 FTS	5.57	4.55	81.7	25 - 200	
M9PFNA	1.45	1.15	79.3	25 - 150	
M2-4:2 FTS	5.44	5.41	99.4	25 - 150	
d-N-MeFOSA	2.90	0.852	29.4	25 - 150	
d-N-EtFOSA	2.90	1.07	36.8	25 - 150	
M3HFPO-DA	11.6	11.1	95.7	25 - 150	
d9-N-EtFOSE	29.0	4.19	14.4	25 - 150	✓ US
d7-N-MeFOSE	29.0	7.20	24.8	25 - 150	✓ US

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	18955.99	1.243817	27788.21	1.372333	
MPFDA	10936.46	8.9794	13374.95	9.01645	
MPFHxA	33712.04	6.317234	48927.06	6.4191	
MPFHxS	4232.806	7.307317	5974.718	7.34475	
MPFNA	18895.79	8.497483	27494.31	8.5162	
MPFOA	40876.36	7.9038	56304.91	7.931633	
MPFOS	9961.529	8.533167	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4080.812	8.506317	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	25480.19	7.903417	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	78097.69	4.634433	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	83070.45	1.241533	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	8067.439	9.772567	13862.25	9.88415	

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-23-4-5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-01	File ID:	QQQ40845.d
Sampled:	06/18/24 07:40	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 15:42
Solids:	85.83	Preparation:	EPA 1633 Prep	Initial/Final:	5.02 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4653.285	8.532583	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	5582.136	9.31465	11845.78	9.601533	
M7PFUdA-EIS	12256.32	9.3947	19337.97	9.468717	
M6PFDA-EIS	11361.38	8.978967	15915.75	9.016017	
M5PFHxA-EIS	45710.52	6.316367	59768.98	6.418217	
M4PFHpA-EIS	10156.39	7.197733	14449.33	7.243983	
M3PFHxS-EIS	12426.19	7.30775	13901.08	7.34515	
M3PFBS-EIS	16256.23	5.4735	19451.04	5.603167	
M3-HFPO-DA-EIS	35235.96	6.6243	46348.35	6.707617	
M2PFTeDA-EIS	2967.188	10.35918	3881.945	10.54347	
M2-8-2FTS-EIS	33331.5	8.9492	43247.07	8.978084	
M2-6-2FTS-EIS	30373.3	7.84695	27664	7.865517	
M2-4-2FTS-EIS	28441.43	6.241117	32392.9	6.34325	
d9-NEtFOSE-EIS	483.7073	10.5269	2522.999	10.62815	
d7-NMeFOSE-EIS	2067.042	10.29883	7411.513	10.37252	
d5-NEtFOSA-EIS	288.992	10.54838	413.9122	10.66805	
d5-N-EtFOSAA-EIS	12168.76	9.375	21598.54	9.449034	
d3-NMeFOSA-EIS	329.3098	10.29318	904.131	10.4037	
d3-N-MeFOSAA-EIS	15087.32	9.161817	22887.06	9.217417	

* Values outside of QC limits

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-24-8-9-061824

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-02	File ID:	QQQ40847.d
Sampled:	06/18/24 08:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:14
Solids:	76.62	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.229	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.258	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.258	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.236	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.258	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.240	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.684	
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.258	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.258	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.258	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.258	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.258	U
2355-31-9	N-MeFOSAA	1	0.258	U
2991-50-6	N-EtFOSAA	1	0.258	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.517	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.258	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.258	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.249	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.982	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.992	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	1.03	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.460	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.517	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.517	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.517	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.243	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.969	U
13252-13-6	HFPO-DA (Gen-X)	1	1.03	U
763051-92-9	11CL-PF3OUdS	1	0.977	U
756426-58-1	9CL-PF3ONS	1	0.967	U
919005-14-4	ADONA	1	0.977	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.251	✓ US
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.248	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.29	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.46	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.46	U
24448-09-7	N-MeFOSE	1	2.58	✓ US
31506-32-8	N-MeFOSA	1	0.258	U
1691-99-2	N-EtFOSE	1	2.58	U
4151-50-2	N-EtFOSA	1	0.258	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-24-8-9-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1314	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1314-02	File ID:	QQQ40847.d
Sampled:	06/18/24 08:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:14
Solids:	76.62	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF41640	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	3.01	3.03	101	25 - 150	
M5PFHxA	3.23	3.20	99.0	25 - 150	
M4PFHpA	3.23	2.83	87.5	25 - 150	
M3PFHxS	3.06	3.06	99.8	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.23	3.14	97.3	25 - 150	
M6PFDA	1.62	1.36	84.2	25 - 150	
M7PFUdA	1.62	1.38	85.4	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.62	1.07	66.1	25 - 150	
M2PFTeDA	1.62	1.05	65.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.9	11.9	92.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.09	3.16	102	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.46	5.49	85.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.23	2.19	67.9	10 - 150	
d3-N-MeFOSAA	6.46	5.09	78.8	25 - 150	
d5-N-EtFOSAA	6.46	5.43	84.0	25 - 150	
M2-6:2 FTS	6.14	6.93	113	25 - 200	
M2-8:2 FTS	6.20	5.16	83.2	25 - 200	
M9PFNA	1.62	1.48	91.6	25 - 150	
M2-4:2 FTS	6.06	6.01	99.1	25 - 150	
d-N-MeFOSA	3.23	1.18	36.4	25 - 150	
d-N-EtFOSA	3.23	0.961	29.8	25 - 150	
M3HFPO-DA	12.9	13.9	108	25 - 150	
d9-N-EtFOSE	32.3	5.86	18.1	25 - 150	✓ US
d7-N-MeFOSE	32.3	9.11	28.2	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	18296.59	1.234633	27788.21	1.372333	
MPFDA	10286.05	8.997933	13374.95	9.01645	
MPFHxA	32059.59	6.317234	48927.06	6.4191	
MPFHxS	4329.452	7.307317	5974.718	7.34475	
MPFNA	18894.19	8.506733	27494.31	8.5162	
MPFOA	42373.97	7.913084	56304.91	7.931633	
MPFOS	9935.926	8.542434	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4694.346	8.506317	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	29521.77	7.9127	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	81663.1	4.616034	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	85560.45	1.241533	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9367.05	9.7818	13862.25	9.88415	

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2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-02	File ID:	QQQ40847.d
Sampled:	06/18/24 08:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:14
Solids:	76.62	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4821.666	8.551117	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	7332.847	9.333167	11845.78	9.601533	
M7PFUdA-EIS	14626.69	9.4132	19337.97	9.468717	
M6PFDA-EIS	13034.08	8.997483	15915.75	9.016017	
M5PFHxA-EIS	50968.48	6.316367	59768.98	6.418217	
M4PFHpA-EIS	11700.63	7.197733	14449.33	7.243983	
M3PFHxS-EIS	12542.56	7.30775	13901.08	7.34515	
M3PFBS-EIS	18034.68	5.4735	19451.04	5.603167	
M3-HFPO-DA-EIS	37698.59	6.63355	46348.35	6.707617	
M2PFTeDA-EIS	3425.179	10.37762	3881.945	10.54347	
M2-8-2FTS-EIS	34697.47	8.968817	43247.07	8.978084	
M2-6-2FTS-EIS	29877.6	7.856233	27664	7.865517	
M2-4-2FTS-EIS	28998.9	6.250383	32392.9	6.34325	
d9-NEtFOSE-EIS	606.1445	10.54532	2522.999	10.62815	
d7-NMeFOSE-EIS	2344.64	10.31725	7411.513	10.37252	
d5-NEtFOSA-EIS	164.4622	10.5668	413.9122	10.66805	
d5-N-EtFOSAA-EIS	15153.48	9.38425	21598.54	9.449034	
d3-NMeFOSA-EIS	407.2559	10.3116	904.131	10.4037	
d3-N-MeFOSAA-EIS	16923.83	9.171083	22887.06	9.217417	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-25-6-7-061824

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-03	File ID:	QQQ40848.d
Sampled:	06/18/24 09:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:30
Solids:	85.16	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.205	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.232	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.232	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.212	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.232	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.216	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.232	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.232	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.232	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.232	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.232	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.232	U
2355-31-9	N-MeFOSAA	1	0.232	U
2991-50-6	N-EtFOSAA	1	0.232	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.464	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.232	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.232	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.224	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.882	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.891	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.928	✗ K
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.413	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.464	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.464	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.464	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.218	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.870	U
13252-13-6	HFPO-DA (Gen-X)	1	0.928	U
763051-92-9	11CL-PF3OUdS	1	0.877	U
756426-58-1	9CL-PF3ONS	1	0.868	U
919005-14-4	ADONA	1	0.877	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.225	✗ VS
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.223	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.16	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.80	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.80	U
24448-09-7	N-MeFOSE	1	2.32	U
31506-32-8	N-MeFOSA	1	0.232	U
1691-99-2	N-EtFOSE	1	2.32	✗ VS
4151-50-2	N-EtFOSA	1	0.232	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-25-6-7-061824

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1314	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1314-03	File ID:	QQQ40848.d
Sampled:	06/18/24 09:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:30
Solids:	85.16	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.70	2.48	91.8	25 - 150	
M5PFHxA	2.90	2.58	89.0	25 - 150	
M4PFHpA	2.90	2.36	81.3	25 - 150	
M3PFHxS	2.75	2.59	94.2	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.90	2.60	89.5	25 - 150	
M6PFDA	1.45	1.19	82.1	25 - 150	
M7PFUdA	1.45	1.13	78.1	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.45	0.913	62.9	25 - 150	
M2PFTeDA	1.45	0.834	57.5	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.6	0.650	5.60	25 - 150	✓R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.78	2.47	88.9	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.80	4.37	75.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.90	2.08	71.8	10 - 150	
d3-N-MeFOSAA	5.80	4.31	74.3	25 - 150	
d5-N-EtFOSAA	5.80	4.64	80.0	25 - 150	
M2-6:2 FTS	5.52	5.88	107	25 - 200	
M2-8:2 FTS	5.57	4.41	79.2	25 - 200	
M9PFNA	1.45	1.21	83.4	25 - 150	
M2-4:2 FTS	5.44	4.84	89.0	25 - 150	
d-N-MeFOSA	2.90	1.08	37.3	25 - 150	
d-N-EtFOSA	2.90	0.980	33.8	25 - 150	
M3HFPO-DA	11.6	11.8	101	25 - 150	
d9-N-EtFOSE	29.0	5.19	17.9	25 - 150	✓V3
d7-N-MeFOSE	29.0	7.59	26.2	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	16937.08	1.234633	27788.21	1.372333	
MPFDA	11124.27	8.988667	13374.95	9.01645	
MPFHxA	33750.61	6.317234	48927.06	6.4191	
MPFHxS	4489.745	7.316583	5974.718	7.34475	
MPFNA	20455.37	8.506733	27494.31	8.5162	
MPFOA	46021.92	7.913084	56304.91	7.931633	
MPFOS	10757.01	8.533167	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4647.322	8.506317	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	29625.75	7.9127	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	76219.34	4.616034	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	4804.101	1.23235	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9642.394	9.772567	13862.25	9.88415	

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828109-BS-25-6-7-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-03	File ID:	QQQ40848.d
Sampled:	06/18/24 09:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:30
Solids:	85.16	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4550.098	8.54185	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8394.67	9.3239	11845.78	9.601533	
M7PFUdA-EIS	14478.59	9.40395	19337.97	9.468717	
M6PFDA-EIS	13740.7	8.988216	15915.75	9.016017	
M5PFHxA-EIS	48284.79	6.316367	59768.98	6.418217	
M4PFHpA-EIS	11446.55	7.197733	14449.33	7.243983	
M3PFHxS-EIS	12279.81	7.317017	13901.08	7.34515	
M3PFBS-EIS	17070.03	5.4735	19451.04	5.603167	
M3-HFPO-DA-EIS	37335.27	6.63355	46348.35	6.707617	
M2PFTeDA-EIS	3255.589	10.3684	3881.945	10.54347	
M2-8-2FTS-EIS	34247.26	8.9492	43247.07	8.978084	
M2-6-2FTS-EIS	29355.08	7.846967	27664	7.865517	
M2-4-2FTS-EIS	26997.18	6.241117	32392.9	6.34325	
d9-NEtFOSE-EIS	646.5091	10.5361	2522.999	10.62815	
d7-NMeFOSE-EIS	2354.538	10.30805	7411.513	10.37252	
d5-NEtFOSA-EIS	256.4426	10.5576	413.9122	10.66805	
d5-N-EtFOSAA-EIS	15627.57	9.375	21598.54	9.449034	
d3-NMeFOSA-EIS	451.2678	10.3116	904.131	10.4037	
d3-N-MeFOSAA-EIS	17297.29	9.161817	22887.06	9.217417	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-18-1.5-3-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-04	File ID:	QQQ40849.d
Sampled:	06/18/24 10:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:46
Solids:	88.22	Preparation:	EPA 1633 Prep	Initial/Final:	5.09 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.197	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.223	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.223	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.204	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.223	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.72	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.223	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.223	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.223	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.223	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.223	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.223	U
2355-31-9	N-MeFOSAA	1	0.223	U
2991-50-6	N-EtFOSAA	1	0.223	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.445	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.223	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.223	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.215	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.846	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.855	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.891	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.396	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.445	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.445	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.445	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.209	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.835	U
13252-13-6	HFPO-DA (Gen-X)	1	0.891	U
763051-92-9	11CL-PF3OUdS	1	0.842	U
756426-58-1	9CL-PF3ONS	1	0.833	U
919005-14-4	ADONA	1	0.842	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.216	U VS
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.214	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.11	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.57	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.57	U
24448-09-7	N-MeFOSE	1	2.23	U
31506-32-8	N-MeFOSA	1	0.223	U
1691-99-2	N-EtFOSE	1	2.23	U VS
4151-50-2	N-EtFOSA	1	0.223	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-18-1.5-3-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-04	File ID:	QQQ40849.d
Sampled:	06/18/24 10:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:46
Solids:	88.22	Preparation:	EPA 1633 Prep	Initial/Final:	5.09 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.59	2.60	100	25 - 150	
M5PFHxA	2.78	2.66	95.6	25 - 150	
M4PFHpA	2.78	2.73	98.2	25 - 150	
M3PFHxS	2.64	2.74	104	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.78	2.81	101	25 - 150	
M6PFDA	1.39	1.12	80.5	25 - 150	
M7PFUdA	1.39	1.09	78.3	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.39	0.783	56.2	25 - 150	
M2PFTeDA	1.39	0.862	62.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.1	10.7	96.3	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.67	2.39	89.5	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.57	4.79	86.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.78	2.04	73.1	10 - 150	
d3-N-MeFOSAA	5.57	4.33	77.7	25 - 150	
d5-N-EtFOSAA	5.57	3.95	71.0	25 - 150	
M2-6:2 FTS	5.29	6.30	119	25 - 200	
M2-8:2 FTS	5.34	4.61	86.3	25 - 200	
M9PFNA	1.39	1.21	86.9	25 - 150	
M2-4:2 FTS	5.22	5.58	107	25 - 150	
d-N-MeFOSA	2.78	1.03	37.1	25 - 150	
d-N-EtFOSA	2.78	1.24	44.7	25 - 150	
M3HFPO-DA	11.1	11.9	107	25 - 150	
d9-N-EtFOSE	27.8	5.50	19.7	25 - 150	✓ US
d7-N-MeFOSE	27.8	7.62	27.4	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	18788.62	1.234633	27788.21	1.372333	
MPFDA	11472.54	8.988667	13374.95	9.01645	
MPFHxA	33680.08	6.317234	48927.06	6.4191	
MPFHxS	4199.5	7.326217	5974.718	7.34475	
MPFNA	20831.25	8.5162	27494.31	8.5162	
MPFOA	42724.85	7.92235	56304.91	7.931633	
MPFOS	10767.42	8.5517	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4934.906	8.5158	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	31015.29	7.921967	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	86752.03	4.616034	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	91619.81	1.23235	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	8855.102	9.7818	13862.25	9.88415	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-18-1.5-3-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-04	File ID:	QQQ40849.d
Sampled:	06/18/24 10:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 16:46
Solids:	88.22	Preparation:	EPA 1633 Prep	Initial/Final:	5.09 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4586.858	8.54185	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8564.955	9.333167	11845.78	9.601533	
M7PFUdA-EIS	14954.83	9.40395	19337.97	9.468717	
M6PFDA-EIS	13885.45	8.997483	15915.75	9.016017	
M5PFHxA-EIS	51677.37	6.325617	59768.98	6.418217	
M4PFHpA-EIS	13800.46	7.206984	14449.33	7.243983	
M3PFHxS-EIS	12603.63	7.3266	13901.08	7.34515	
M3PFBS-EIS	17452.76	5.4735	19451.04	5.603167	
M3-HFPO-DA-EIS	39385.43	6.63355	46348.35	6.707617	
M2PFTeDA-EIS	3639	10.3684	3881.945	10.54347	
M2-8-2FTS-EIS	34927.19	8.95955	43247.07	8.978084	
M2-6-2FTS-EIS	30583.92	7.865517	27664	7.865517	
M2-4-2FTS-EIS	30316.91	6.250383	32392.9	6.34325	
d9-NEtFOSE-EIS	714.0861	10.54532	2522.999	10.62815	
d7-NMeFOSE-EIS	2480.964	10.30805	7411.513	10.37252	
d5-NEtFOSA-EIS	302.8497	10.5576	413.9122	10.66805	
d5-N-EtFOSAA-EIS	13885.12	9.38425	21598.54	9.449034	
d3-NMeFOSA-EIS	449.9999	10.3116	904.131	10.4037	
d3-N-MeFOSAA-EIS	18096.42	9.171083	22887.06	9.217417	

* Values outside of QC limits

MA 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-19-10-11-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-05	File ID:	QQQ40850.d
Sampled:	06/18/24 11:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:02
Solids:	77.32	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.227	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.257	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.257	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.235	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.257	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.50	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.257	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.257	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.257	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.257	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.257	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.257	U
2355-31-9	N-MeFOSAA	1	0.257	U
2991-50-6	N-EtFOSAA	1	0.257	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.513	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.257	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.257	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.248	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.975	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.985	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	1.03	✗R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.457	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.513	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.513	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.513	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.241	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.962	U
13252-13-6	HFPO-DA (Gen-X)	1	1.03	U
763051-92-9	11CL-PF3OUdS	1	0.970	U
756426-58-1	9CL-PF3ONS	1	0.960	U
919005-14-4	ADONA	1	0.970	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.249	✓U5
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.246	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.28	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.42	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.42	U
24448-09-7	N-MeFOSE	1	2.57	U
31506-32-8	N-MeFOSA	1	0.257	U
1691-99-2	N-EtFOSE	1	2.57	U
4151-50-2	N-EtFOSA	1	0.257	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-19-10-11-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-05	File ID:	QQQ40850.d
Sampled:	06/18/24 11:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:02
Solids:	77.32	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.99	3.04	102	25 - 150	
M5PFHxA	3.21	3.03	94.4	25 - 150	
M4PFHpA	3.21	2.57	80.0	25 - 150	
M3PFHxS	3.04	3.08	101	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.21	3.34	104	25 - 150	
M6PFDA	1.60	1.25	78.0	25 - 150	
M7PFUdA	1.60	1.37	85.5	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.60	1.10	68.7	25 - 150	
M2PFTeDA	1.60	1.01	62.8	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.8	0.450	3.51	25 - 150	J R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.07	3.31	108	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.42	3.56	55.5	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.21	2.69	84.0	10 - 150	
d3-N-MeFOSAA	6.42	5.52	86.1	25 - 150	
d5-N-EtFOSAA	6.42	5.72	89.1	25 - 150	
M2-6:2 FTS	6.10	8.00	131	25 - 200	
M2-8:2 FTS	6.16	5.65	91.8	25 - 200	
M9PFNA	1.60	1.44	89.8	25 - 150	
M2-4:2 FTS	6.02	5.82	96.7	25 - 150	
d-N-MeFOSA	3.21	1.66	51.8	25 - 150	
d-N-EtFOSA	3.21	1.61	50.1	25 - 150	
M3HFPO-DA	12.8	13.3	103	25 - 150	
d9-N-EtFOSE	32.1	8.04	25.1	25 - 150	
d7-N-MeFOSE	32.1	12.5	39.1	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	16878.34	1.234633	27788.21	1.372333	
MPFDA	10630.59	8.997933	13374.95	9.01645	
MPFHxA	34733.93	6.33575	48927.06	6.4191	
MPFHxS	4264.134	7.335484	5974.718	7.34475	
MPFNA	19836.28	8.525467	27494.31	8.5162	
MPFOA	40582.17	7.931633	56304.91	7.931633	
MPFOS	10180.17	8.5517	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4855.512	8.525066	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	30342.64	7.93125	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	57643.82	4.625233	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	2998.326	1.23235	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	10057.39	9.791866	13862.25	9.88415	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-19-10-11-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-05	File ID:	QQQ40850.d
Sampled:	06/18/24 11:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:02
Solids:	77.32	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5211.722	8.551117	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	9297.528	9.342466	11845.78	9.601533	
M7PFUdA-EIS	15136.52	9.42245	19337.97	9.468717	
M6PFDA-EIS	12475.21	8.997483	15915.75	9.016017	
M5PFHxA-EIS	52648.16	6.334883	59768.98	6.418217	
M4PFHpA-EIS	11589.83	7.216233	14449.33	7.243983	
M3PFHxS-EIS	12536.5	7.335866	13901.08	7.34515	
M3PFBS-EIS	17950.68	5.482717	19451.04	5.603167	
M3-HFPO-DA-EIS	39226.82	6.642817	46348.35	6.707617	
M2PFTeDA-EIS	3415.411	10.37762	3881.945	10.54347	
M2-8-2FTS-EIS	37675.41	8.968817	43247.07	8.978084	
M2-6-2FTS-EIS	34209.9	7.8748	27664	7.865517	
M2-4-2FTS-EIS	27862.1	6.259634	32392.9	6.34325	
d9-NEtFOSE-EIS	858.478	10.55452	2522.999	10.62815	
d7-NMeFOSE-EIS	3332.76	10.31725	7411.513	10.37252	
d5-NEtFOSA-EIS	259.5872	10.576	413.9122	10.66805	
d5-N-EtFOSAA-EIS	16476.61	9.393517	21598.54	9.449034	
d3-NMeFOSA-EIS	593.4423	10.32082	904.131	10.4037	
d3-N-MeFOSAA-EIS	18950.11	9.18035	22887.06	9.217417	

* Values outside of QC limits

MM 8/15/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-02-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1314	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1314-06	File ID:	QQQ40831.d
Sampled:	06/18/24 12:30	Prepared:	06/26/24 11:02	Analyzed:	06/27/24 11:13
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	528.14 mL / 5 mL
Batch:	BF41774	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.68	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1.89	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.89	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.73	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	1.89	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.76	U
375-95-1	Perfluorononanoic acid (PFNA)	1	1.89	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.89	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.89	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.89	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.89	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.89	U
2355-31-9	N-MeFOSAA	1	1.89	U
2991-50-6	N-EtFOSAA	1	1.89	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	3.79	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.89	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.81	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.83	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	7.20	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.27	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.480	J R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.37	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.79	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.79	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.79	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.78	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	7.10	U
13252-13-6	HFPO-DA (Gen-X)	1	7.57	U
763051-92-9	11CL-PF3OUdS	1	7.16	U
756426-58-1	9CL-PF3ONS	1	7.08	U
919005-14-4	ADONA	1	7.16	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.84	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.82	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.73	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	23.7	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	23.7	U
24448-09-7	N-MeFOSE	1	18.9	U
31506-32-8	N-MeFOSA	1	1.89	U
1691-99-2	N-EtFOSE	1	18.9	U
4151-50-2	N-EtFOSA	1	1.89	U

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-02-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1314	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1314-06	File ID:	QQQ40831.d
Sampled:	06/18/24 12:30	Prepared:	06/26/24 11:02	Analyzed:	06/27/24 11:13
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	528.14 mL / 5 mL
Batch:	BF41774	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	22.1	23.2	105	25 - 150	
M5PFHxA	23.7	23.6	99.8	25 - 150	
M4PFHpA	23.7	21.1	89.3	25 - 150	
M3PFHxS	22.4	24.3	108	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.7	24.0	101	25 - 150	
M6PFDA	11.8	11.5	97.2	25 - 150	
M7PFUdA	11.8	9.89	83.5	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.8	7.82	66.1	25 - 150	
M2PFTeDA	11.8	4.53	38.3	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	94.7	5.15	5.44	25 - 150	R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.7	23.7	105	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	47.3	33.6	71.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.7	22.9	96.7	10 - 150	
d3-N-MeFOSAA	47.3	40.8	86.2	25 - 150	
d5-N-EtFOSAA	47.3	43.8	92.5	25 - 150	
M2-6:2 FTS	45.0	43.2	96.0	25 - 200	
M2-8:2 FTS	45.4	38.7	85.1	25 - 200	
M9PFNA	11.8	12.3	104	25 - 150	
M2-4:2 FTS	44.4	47.0	106	25 - 150	
d-N-MeFOSA	23.7	14.8	62.5	25 - 150	
d-N-EtFOSA	23.7	15.0	63.5	25 - 150	
M3HFPO-DA	94.7	109	115	25 - 150	
d9-N-EtFOSE	237	88.4	37.3	25 - 150	
d7-N-MeFOSE	237	115	48.8	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	18847.62	1.2989	26580.75	1.372333	
MPFDA	10516.27	9.118867	13482.73	9.025717	
MPFHxA	34351.32	6.42835	42294.21	6.400567	
MPFHxS	4082.739	7.400617	5310.905	7.354033	
MPFNA	18255.94	8.5996	25371.02	8.534734	
MPFOA	44129.52	7.9969	56993.96	7.940917	
MPFOS	10027.76	8.6351	13774.75	8.570233	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5189.271	8.5992	5715.207	8.534333	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	32201.87	7.99655	35997.51	7.940533	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	73084.07	4.8109	106606.4	4.838567	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	5189.865	1.305783	121512.4	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9572.426	9.995383	12208.96	9.847234	

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-02-061824

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24F1314

Client: CDM Smith Project: Speedys Cleaners 247380

Matrix: Water Laboratory ID: 24F1314-06 File ID: QQQ40831.d

Sampled: 06/18/24 12:30 Prepared: 06/26/24 11:02 Analyzed: 06/27/24 11:13

Solids: Preparation: EPA 1633 Prep Initial/Final: 528.14 mL / 5 mL

Batch: BF41774 Sequence: S4F2663 Calibration: SF40019 Instrument: LCQQQ

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4982.278	8.634517	5325.963	8.56965	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	10547.87	9.703267	11553.07	9.5738	
M7PFUdA-EIS	14633.05	9.58	17972.11	9.459467	
M6PFDA-EIS	15379.79	9.118466	13709.85	9.025283	
M5PFHxA-EIS	55065.66	6.427484	57860.85	6.3997	
M4PFHpA-EIS	12799.75	7.29025	13894.42	7.243983	
M3PFHxS-EIS	12827.37	7.400983	13602.02	7.354417	
M3PFBS-EIS	17815.21	5.603167	19023.01	5.593933	
M3-HFPO-DA-EIS	43157.08	6.73535	41923.66	6.698383	
M2PFTeDA-EIS	2060.057	10.65392	3586.087	10.44208	
M2-8-2FTS-EIS	33479.35	9.080367	38491	8.9966	
M2-6-2FTS-EIS	23970.81	7.939767	25344.4	7.884083	
M2-4-2FTS-EIS	29174.15	6.352517	31294.16	6.324733	
d9-NEtFOSE-EIS	1258.993	10.7202	2453.117	10.50962	
d7-NMeFOSE-EIS	4092.45	10.4646	6638.806	10.28042	
d5-NEtFOSA-EIS	357.6816	10.7693	489.0731	10.5576	
d5-N-EtFOSAA-EIS	16838.32	9.560483	18861.52	9.449034	
d3-NMeFOSA-EIS	704.4983	10.4958	893.3922	10.3116	
d3-N-MeFOSAA-EIS	18699.04	9.31985	19899.69	9.217417	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-15-7-8-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-07	File ID:	QQQ40851.d
Sampled:	06/18/24 13:25	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:18
Solids:	78.26	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.223	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.0733	J
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.253	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.231	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.253	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.235	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.253	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.253	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.253	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.253	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.253	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.253	U
2355-31-9	N-MeFOSAA	1	0.253	U
2991-50-6	N-EtFOSAA	1	0.253	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.505	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.253	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.253	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.244	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.960	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.970	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	1.01	U R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.449	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.505	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.505	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.505	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.237	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.947	U
13252-13-6	HFPO-DA (Gen-X)	1	1.01	U
763051-92-9	11CL-PF3OUdS	1	0.955	U
756426-58-1	9CL-PF3ONS	1	0.944	U
919005-14-4	ADONA	1	0.955	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.245	U US
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.242	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.26	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.31	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.31	U
24448-09-7	N-MeFOSE	1	2.53	U
31506-32-8	N-MeFOSA	1	0.253	U
1691-99-2	N-EtFOSE	1	2.53	U US
4151-50-2	N-EtFOSA	1	0.253	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-15-7-8-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-07	File ID:	QQQ40851.d
Sampled:	06/18/24 13:25	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:18
Solids:	78.26	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.94	2.91	99.0	25 - 150	
M5PFHxA	3.16	3.13	99.2	25 - 150	
M4PFHpA	3.16	2.83	89.6	25 - 150	
M3PFHxS	2.99	2.85	95.4	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.16	3.17	100	25 - 150	
M6PFDA	1.58	1.24	78.6	25 - 150	
M7PFUdA	1.58	1.10	69.9	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.58	0.794	50.3	25 - 150	
M2PFTeDA	1.58	0.772	48.9	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.6	0.335	2.65	25 - 150	J R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.02	2.84	94.0	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.31	4.16	65.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.16	2.33	74.0	10 - 150	
d3-N-MeFOSAA	6.31	4.52	71.6	25 - 150	
d5-N-EtFOSAA	6.31	4.72	74.7	25 - 150	
M2-6:2 FTS	6.00	6.13	102	25 - 200	
M2-8:2 FTS	6.06	4.50	74.2	25 - 200	
M9PFNA	1.58	1.30	82.5	25 - 150	
M2-4:2 FTS	5.92	5.42	91.6	25 - 150	
d-N-MeFOSA	3.16	1.55	49.1	25 - 150	
d-N-EtFOSA	3.16	1.62	51.4	25 - 150	
M3HFPO-DA	12.6	14.5	115	25 - 150	
d9-N-EtFOSE	31.6	6.20	19.6	25 - 150	J US
d7-N-MeFOSE	31.6	8.43	26.7	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	16570.82	1.234633	27788.21	1.372333	
MPFDA	11102.21	8.988667	13374.95	9.01645	
MPFHxA	30179.18	6.3265	48927.06	6.4191	
MPFHxS	4226.861	7.316583	5974.718	7.34475	
MPFNA	18854.88	8.506733	27494.31	8.5162	
MPFOA	40251.71	7.913084	56304.91	7.931633	
MPFOS	10056.33	8.542434	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4243.146	8.506317	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	29046.39	7.9127	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	59497.65	4.616034	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	2226.113	1.23235	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	7693.941	9.7818	13862.25	9.88415	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-15-7-8-061824

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-07	File ID:	QQQ40851.d
Sampled:	06/18/24 13:25	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:18
Solids:	78.26	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4505.966	8.54185	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8087.477	9.333167	11845.78	9.601533	
M7PFUdA-EIS	12917.46	9.40395	19337.97	9.468717	
M6PFDA-EIS	13119.38	8.988216	15915.75	9.016017	
M5PFHxA-EIS	48107.58	6.325617	59768.98	6.418217	
M4PFHpA-EIS	11273.61	7.206984	14449.33	7.243983	
M3PFHxS-EIS	11711.51	7.317017	13901.08	7.34515	
M3PFBS-EIS	17322.5	5.4735	19451.04	5.603167	
M3-HFPO-DA-EIS	37872.95	6.63355	46348.35	6.707617	
M2PFTeDA-EIS	2781.115	10.3684	3881.945	10.54347	
M2-8-2FTS-EIS	30228.54	8.95955	43247.07	8.978084	
M2-6-2FTS-EIS	26377.87	7.856233	27664	7.865517	
M2-4-2FTS-EIS	26400.5	6.250383	32392.9	6.34325	
d9-NEtFOSE-EIS	664.7742	10.54532	2522.999	10.62815	
d7-NMeFOSE-EIS	2246.583	10.31725	7411.513	10.37252	
d5-NEtFOSA-EIS	258.2623	10.5668	413.9122	10.66805	
d5-N-EtFOSAA-EIS	13641.99	9.38425	21598.54	9.449034	
d3-NMeFOSA-EIS	556.393	10.3116	904.131	10.4037	
d3-N-MeFOSAA-EIS	15564.5	9.171083	22887.06	9.217417	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-16-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-08	File ID:	QQQ40852.d
Sampled:	06/18/24 14:00	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:34
Solids:	95.79	Preparation:	EPA 1633 Prep	Initial/Final:	5.03 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.184	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.0568	J
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.208	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.190	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.208	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.700	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.208	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.208	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.208	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.208	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.208	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.208	U
2355-31-9	N-MeFOSAA	1	0.208	U
2991-50-6	N-EtFOSAA	1	0.208	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.415	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.208	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.208	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.200	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.789	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.797	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.830	✓R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.369	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.415	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.415	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.415	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.195	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.778	U
13252-13-6	HFPO-DA (Gen-X)	1	0.830	U
763051-92-9	11CL-PF3OUdS	1	0.784	U
756426-58-1	9CL-PF3ONS	1	0.776	U
919005-14-4	ADONA	1	0.784	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.201	✓US
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.199	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.04	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.19	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.19	U
24448-09-7	N-MeFOSE	1	2.08	✓US
31506-32-8	N-MeFOSA	1	0.208	U
1691-99-2	N-EtFOSE	1	2.08	✓US
4151-50-2	N-EtFOSA	1	0.208	U

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-16-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1314	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1314-08	File ID:	QQQ40852.d
Sampled:	06/18/24 14:00	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:34
Solids:	95.79	Preparation:	EPA 1633 Prep	Initial/Final:	5.03 g / 5 mL
Batch:	BF41640	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.42	2.41	99.6	25 - 150	
M5PFHxA	2.59	1.90	73.2	25 - 150	
M4PFHpA	2.59	1.79	68.9	25 - 150	
M3PFHxS	2.46	2.50	102	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.59	2.11	81.4	25 - 150	
M6PFDA	1.30	1.02	78.4	25 - 150	
M7PFUdA	1.30	1.06	81.6	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.30	0.813	62.7	25 - 150	
M2PFTeDA	1.30	0.766	59.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.4	0.787	7.58	25 - 150	✓R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.49	2.36	94.9	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.19	3.34	64.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.59	1.49	57.2	10 - 150	
d3-N-MeFOSAA	5.19	3.63	69.9	25 - 150	
d5-N-EtFOSAA	5.19	3.88	74.7	25 - 150	
M2-6:2 FTS	4.93	6.32	128	25 - 200	
M2-8:2 FTS	4.98	4.47	89.7	25 - 200	
M9PFNA	1.30	0.940	72.4	25 - 150	
M2-4:2 FTS	4.87	5.11	105	25 - 150	
d-N-MeFOSA	2.59	0.886	34.1	25 - 150	
d-N-EtFOSA	2.59	0.759	29.3	25 - 150	
M3HFPO-DA	10.4	8.95	86.2	25 - 150	
d9-N-EtFOSE	25.9	4.05	15.6	25 - 150	✓LS
d7-N-MeFOSE	25.9	6.00	23.1	25 - 150	✓LS

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	17997.65	1.234633	27788.21	1.372333	
MPFDA	11096.59	8.997933	13374.95	9.01645	
MPFHxA	35461.46	6.3265	48927.06	6.4191	
MPFHxS	4047.277	7.326217	5974.718	7.34475	
MPFNA	21160.21	8.506733	27494.31	8.5162	
MPFOA	48370.22	7.92235	56304.91	7.931633	
MPFOS	10778.64	8.5517	13414.36	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4172.648	8.5158	5235.301	8.5158	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	28300.99	7.921967	37095.16	7.93125	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	68406.58	4.616034	110024.4	4.82935	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	6994.716	1.23235	123181.8	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9578.488	9.7818	13862.25	9.88415	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-16-1-2-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-08	File ID:	QQQ40852.d
Sampled:	06/18/24 14:00	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 17:34
Solids:	95.79	Preparation:	EPA 1633 Prep	Initial/Final:	5.03 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4869.029	8.551117	6000.634	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	6710.645	9.333167	11845.78	9.601533	
M7PFUdA-EIS	15080.21	9.40395	19337.97	9.468717	
M6PFDA-EIS	13090.55	8.988216	15915.75	9.016017	
M5PFHxA-EIS	41699.79	6.325617	59768.98	6.418217	
M4PFHpA-EIS	10193.02	7.216233	14449.33	7.243983	
M3PFHxS-EIS	11959.7	7.3266	13901.08	7.34515	
M3PFBS-EIS	16686.92	5.482717	19451.04	5.603167	
M3-HFPO-DA-EIS	33426.28	6.63355	46348.35	6.707617	
M2PFTeDA-EIS	3354.152	10.3684	3881.945	10.54347	
M2-8-2FTS-EIS	34977.36	8.95955	43247.07	8.978084	
M2-6-2FTS-EIS	31713.84	7.856233	27664	7.865517	
M2-4-2FTS-EIS	28735.24	6.259634	32392.9	6.34325	
d9-NEtFOSE-EIS	542.3694	10.54532	2522.999	10.62815	
d7-NMeFOSE-EIS	2086.315	10.30805	7411.513	10.37252	
d5-NEtFOSA-EIS	177.211	10.5668	413.9122	10.66805	
d5-N-EtFOSAA-EIS	14628.41	9.38425	21598.54	9.449034	
d3-NMeFOSA-EIS	447.3069	10.3116	904.131	10.4037	
d3-N-MeFOSAA-EIS	16309.08	9.171083	22887.06	9.217417	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-17-5.5-6.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-09	File ID:	QQQ40855.d
Sampled:	06/18/24 14:40	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:23
Solids:	77.30	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.227	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.256	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.256	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.234	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.256	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.238	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.256	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.256	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.256	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.256	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.256	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.256	U
2355-31-9	N-MeFOSAA	1	0.256	U
2991-50-6	N-EtFOSAA	1	0.256	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.512	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.256	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.256	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.247	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.973	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.984	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	1.02	✗R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.456	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.512	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.512	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.512	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.241	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.961	U
13252-13-6	HFPO-DA (Gen-X)	1	1.02	U
763051-92-9	11CL-PF3OUdS	1	0.968	U
756426-58-1	9CL-PF3ONS	1	0.958	U
919005-14-4	ADONA	1	0.968	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.248	✗UJ
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.246	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.28	✗UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.40	✗UJ
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.40	U
24448-09-7	N-MeFOSE	1	2.56	✗UJ
31506-32-8	N-MeFOSA	1	0.256	U
1691-99-2	N-EtFOSE	1	2.56	✗UJ
4151-50-2	N-EtFOSA	1	0.256	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-17-5.5-6.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1314-09	File ID:	QQQ40855.d
Sampled:	06/18/24 14:40	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:23
Solids:	77.30	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.98	2.70	90.4	25 - 150	
M5PFHxA	3.20	2.88	90.0	25 - 150	
M4PFHpA	3.20	2.67	83.5	25 - 150	
M3PFHxS	3.04	2.48	81.7	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.20	3.10	96.8	25 - 150	
M6PFDA	1.60	1.11	69.3	25 - 150	
M7PFUdA	1.60	1.09	68.3	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.60	0.806	50.3	25 - 150	
M2PFTeDA	1.60	0.689	43.1	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.8	0.392	3.06	25 - 150	J R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.07	2.20	71.7	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.40	4.26	66.5	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.20	1.95	61.0	10 - 150	
d3-N-MeFOSAA	6.40	3.33	52.1	25 - 150	
d5-N-EtFOSAA	6.40	3.37	52.6	25 - 150	
M2-6:2 FTS	6.09	4.99	81.9	25 - 200	
M2-8:2 FTS	6.15	3.78	61.4	25 - 200	
M9PFNA	1.60	1.21	75.3	25 - 150	
M2-4:2 FTS	6.01	4.59	76.4	25 - 150	
d-N-MeFOSA	3.20	1.13	35.2	25 - 150	
d-N-EtFOSA	3.20	1.12	35.1	25 - 150	
M3HFPO-DA	12.8	13.0	101	25 - 150	
d9-N-EtFOSE	32.0	4.70	14.7	25 - 150	J US
d7-N-MeFOSE	32.0	7.11	22.2	25 - 150	J US

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	17822.25	1.243817	24200.23	1.253	
MPFDA	10794.9	8.997933	14739.43	8.988667	
MPFHxA	33550.64	6.3265	45249.88	6.3265	
MPFHxS	4645.276	7.326217	6517.25	7.326217	
MPFNA	20536.83	8.506733	25459.01	8.506733	
MPFOA	43126.17	7.92235	59759.91	7.913084	
MPFOS	11010.57	8.542434	14186.71	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4218.125	8.506317	5875.323	8.506317	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	30011.43	7.921967	34819.53	7.9127	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	66879.84	4.634433	100072.3	4.634433	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	2761.369	1.241533	104160.7	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	7483.223	9.7818	12896.29	9.7818	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-17-5.5-6.5-061824

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1314
Client:	CDM Smith			Project:	Speedys Cleaners 247380
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Sampled:	06/18/24 14:40	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:23
Solids:	77.30	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	3759.17	8.54185	5605.903	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	7309.353	9.333167	10764.63	9.333167	
M7PFUdA-EIS	12281.4	9.4132	20960.82	9.40395	
M6PFDA-EIS	11255.99	8.988216	17361.53	8.988216	
M5PFHxA-EIS	48531.97	6.325617	61804.06	6.325617	
M4PFHpA-EIS	11687.98	7.206984	14891.05	7.206984	
M3PFHxS-EIS	11018.55	7.3266	14786.46	7.317017	
M3PFBS-EIS	17387.03	5.482717	19817.86	5.482717	
M3-HFPO-DA-EIS	37106.78	6.642817	45944.52	6.63355	
M2PFTeDA-EIS	2379.04	10.3684	5145.717	10.37762	
M2-8-2FTS-EIS	27492.88	8.95955	43607.13	8.95955	
M2-6-2FTS-EIS	23271.62	7.856233	32230.54	7.856233	
M2-4-2FTS-EIS	24079.36	6.250383	32589.84	6.259634	
d9-NEtFOSE-EIS	544.4813	10.54532	1266.329	10.54532	
d7-NMeFOSE-EIS	2044.064	10.31725	4103.552	10.31725	
d5-NEtFOSA-EIS	182.2375	10.5668	395.8881	10.5668	
d5-N-EtFOSAA-EIS	10522.57	9.38425	19319.18	9.38425	
d3-NMeFOSA-EIS	435.9907	10.3116	736.2376	10.3116	
d3-N-MeFOSAA-EIS	12399.74	9.171083	22285.79	9.171083	

* Values outside of QC limits

MM 8/15/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1323
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 13, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-27-3.5-4.5-061924	24F1323-01	Soil
2	828109-BS-27-6-7-061924	24F1323-02	Soil
3	828109-BS-27-9-10.5-061924	24F1323-03	Soil
3MS	828109-BS-27-9-10.5-061924MS	24F1323-03MS	Soil
3MSD	828109-BS-27-9-10.5-061924MSD	24F1323-03MSD	Soil
4	828109-BS-27-12-12.5-061924	24F1323-04	Soil
		24F1323-05	Soil
6	EB-03-061924	24F1323-06	Water
7	TRIPBLANK-061924	24F1323-07	Water
8	828109-BS-28-1-2-061924	24F1323-08	Soil
9	828109-BS-28-5.5-7-061924	24F1323-09	Soil
10	828109-BS-33-2.5-3-061924	24F1323-10	Soil
11	828109-BS-33-4-6-061924	24F1323-11	Soil
11MS	828109-BS-33-4-6-061924MS	24F1323-11MS	Soil
11MSD	828109-BS-33-4-6-061924MSD	24F1323-11MSD	Soil
12	828109-BS-33-8-9-061924	24F1323-12	Soil
13	828109-BS-903-4-6-061924	24F1323-13	Soil
14	828109-BS-33-12.5-13-061924	24F1323-14	Soil
15	828109-BS-30-1-2-061924	24F1323-15	Soil
16	828109-BS-30-9-10-061924	24F1323-16	Soil
17	828109-BS-30-13-14-061924	24F1323-17	Soil
18	828109-BS-30-4-5-061924	24F1323-18	Soil
19	828109-BS-34-1-2-061924	24F1323-19	Soil
20	828109-BS-34-6-6.5-061924	24F1323-20	Soil
21	828109-BS-34-10-10.5-061924	24F1323-21	Soil
22	828109-BS-34-14-14.5-061924	24F1323-22	Soil
23	828109-BS-33-16-16.5-061924	24F1323-23	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for twenty-one soil samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on June 19, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
6/21/24 (0919)	Bromomethane	58.2%	UJ	6, 7

Method Blank

- The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
BF41443-BLK	Naphthalene	0.220	None	ND

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of acetone, 2-butanone and methylene chloride (common

laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB-03-061924	Bromodichloromethane	0.740	None	ND
	Chloroform	7.93	None	ND
TRIPBLANK-061924	Acetone	1.88	U	1, 3-5, 10, 13, 14, 23

Surrogate Spike Recoveries

- The samples exhibited acceptable surrogate percent recoveries (%R) except for the following.

Sample	Compound	%R	Qualifier
9DL	Toluene-d8	76.7%	J

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
3	Trichlorofluoromethane	146%/156%/OK	None - ND

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
BF41443-BS1	Tetrachloroethylene	55.1%	UJ	6, 7
BF41434-BS1	Tetrachloroethylene	70.6%	J/UJ	1, 2, 4, 5, 10, 12-15
	Vinyl Chloride	133%	None	All ND
BF41575-BS1	Tetrachloroethylene	50.9%	None	See Surrogates
BF41582-BS1	Freon 113	155%	None	All ND
	Chloroethane	156%		

LCS ID	Compound	%R	Qualifier	Affected Samples
BF41582-BS1	Trichlorofluoromethane	163%	None	All ND
	Vinyl Chloride	132%		
BF41686-BS2	Bromoform	60.2%	UJ	16
	Chlorobenzene	84.0%		
	Chloroform	23.7%		
	cis-1,3-Dichloropropylene	73.7%		
	Hexachlorobutadiene	73.9%		
	Tetrachloroethylene	62.1%		
	trans-1,3-Dichloropropylene	74.2%		
	Trichlorofluoromethane	151%	None	All ND

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples are summarized below. The precision is acceptable.

Compound	828109-BS-27-9-10.5-061924 mg/kg	828109-BS-902-9-10.5-061924 mg/kg	RPD	Qualifier
Cyclohexane	ND	0.0051	NC	None
Methylcyclohexane	ND	0.021	NC	
p-Isopropyltoluene	ND	0.0045	NC	
n-propylbenzene	ND	0.0063	NC	
sec-Butylbenzene	ND	0.018	NC	

Compound	828109-BS-33-4-6-0619244 mg/kg	828109-BS-903-4-6-061924 mg/kg	RPD	Qualifier
None	ND	ND	-	-

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-3.5-4.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-01	File ID:	V5440279.D
Sampled:	06/19/24 09:40	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 13:25
Solids:	83.85	Preparation:	EPA 5035A	Initial/Final:	6.45 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.011	U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

MH 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-3.5-4.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-01	File ID:	V5440279.D
Sampled:	06/19/24 09:40	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 13:25
Solids:	83.85	Preparation:	EPA 5035A	Initial/Final:	6.45 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0033	✗ J
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.4	101	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.4	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-6-7-061924

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-02	File ID:	V5440280.D
Sampled:	06/19/24 09:50	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 13:51
Solids:	82.33	Preparation:	EPA 5035A	Initial/Final:	6.52 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0047	U
71-55-6	1,1,1-Trichloroethane	1	0.0047	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0047	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0047	U
79-00-5	1,1,2-Trichloroethane	1	0.0047	U
75-34-3	1,1-Dichloroethane	1	0.0047	U
75-35-4	1,1-Dichloroethylene	1	0.0047	U
563-58-6	1,1-Dichloropropylene	1	0.0047	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0047	U
96-18-4	1,2,3-Trichloropropane	1	0.0047	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0047	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0047	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0047	U
106-93-4	1,2-Dibromoethane	1	0.0047	U
95-50-1	1,2-Dichlorobenzene	1	0.0047	U
107-06-2	1,2-Dichloroethane	1	0.0047	U
78-87-5	1,2-Dichloropropane	1	0.0047	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0047	U
541-73-1	1,3-Dichlorobenzene	1	0.0047	U
142-28-9	1,3-Dichloropropane	1	0.0047	U
106-46-7	1,4-Dichlorobenzene	1	0.0047	U
123-91-1	1,4-Dioxane	1	0.093	U
594-20-7	2,2-Dichloropropane	1	0.0047	U
78-93-3	2-Butanone	1	0.0047	U
95-49-8	2-Chlorotoluene	1	0.0047	U
591-78-6	2-Hexanone	1	0.0047	U
106-43-4	4-Chlorotoluene	1	0.0047	U
108-10-1	4-Methyl-2-pentanone	1	0.0047	U
67-64-1	Acetone	1	0.0093	U
107-02-8	Acrolein	1	0.0093	U
107-13-1	Acrylonitrile	1	0.0047	U
71-43-2	Benzene	1	0.0047	U
108-86-1	Bromobenzene	1	0.0047	U
74-97-5	Bromochloromethane	1	0.0047	U
75-27-4	Bromodichloromethane	1	0.0047	U
75-25-2	Bromoform	1	0.0047	U
74-83-9	Bromomethane	1	0.0047	U
75-15-0	Carbon disulfide	1	0.0047	U
56-23-5	Carbon tetrachloride	1	0.0047	U
108-90-7	Chlorobenzene	1	0.0047	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-6-7-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-02	File ID:	V5440280.D
Sampled:	06/19/24 09:50	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 13:51
Solids:	82.33	Preparation:	EPA 5035A	Initial/Final:	6.52 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0047	U
67-66-3	Chloroform	1	0.0047	U
74-87-3	Chloromethane	1	0.0047	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0047	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0047	U
110-82-7	Cyclohexane	1	0.0047	U
124-48-1	Dibromochloromethane	1	0.0047	U
74-95-3	Dibromomethane	1	0.0047	U
75-71-8	Dichlorodifluoromethane	1	0.0047	U
100-41-4	Ethyl Benzene	1	0.0047	U
87-68-3	Hexachlorobutadiene	1	0.0047	U
98-82-8	Isopropylbenzene	1	0.0047	U
79-20-9	Methyl acetate	1	0.0047	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0047	U
108-87-2	Methylcyclohexane	1	0.0047	U
75-09-2	Methylene chloride	1	0.0093	U
104-51-8	n-Butylbenzene	1	0.0047	U
103-65-1	n-Propylbenzene	1	0.0047	U
95-47-6	o-Xylene	1	0.0047	U
179601-23-1	p- & m- Xylenes	1	0.0093	U
99-87-6	p-Isopropyltoluene	1	0.0047	U
135-98-8	sec-Butylbenzene	1	0.0047	U
100-42-5	Styrene	1	0.0047	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0047	U
98-06-6	tert-Butylbenzene	1	0.0047	U
127-18-4	Tetrachloroethylene	1	0.0047	U US
108-88-3	Toluene	1	0.0047	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0047	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0047	U
79-01-6	Trichloroethylene	1	0.0047	U
75-69-4	Trichlorofluoromethane	1	0.0047	U
108-05-4	Vinyl acetate	1	0.0047	U
75-01-4	Vinyl Chloride	1	0.0047	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	46.8	93.5	77 - 125	
SURR: Toluene-d8	50.0	49.3	98.6	85 - 120	
SURR: p-Bromofluorobenzene	50.0	54.0	108	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-9-10.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-03	File ID:	V3183671.D
Sampled:	06/19/24 09:00	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 18:43
Solids:	87.78	Preparation:	EPA 5035A	Initial/Final:	6.24 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.091	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.017	U
107-02-8	Acrolein	1	0.0091	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-9-10.5-06 1924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-03	File ID:	V3183671.D
Sampled:	06/19/24 09:00	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 18:43
Solids:	87.78	Preparation:	EPA 5035A	Initial/Final:	6.24 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0091	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0091	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0046	U
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	58.3	117	77 - 125	
SURR: Toluene-d8	50.0	49.5	99.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.9	99.9	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-1242.5-061924

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-04	File ID:	V5440281.D
Sampled:	06/19/24 09:10	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 14:17
Solids:	85.44	Preparation:	EPA 5035A	Initial/Final:	7.29 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0040	U
71-55-6	1,1,1-Trichloroethane	1	0.0040	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0040	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0040	U
79-00-5	1,1,2-Trichloroethane	1	0.0040	U
75-34-3	1,1-Dichloroethane	1	0.0040	U
75-35-4	1,1-Dichloroethylene	1	0.0040	U
563-58-6	1,1-Dichloropropylene	1	0.0040	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0040	U
96-18-4	1,2,3-Trichloropropane	1	0.0040	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0040	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0040	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0040	U
106-93-4	1,2-Dibromoethane	1	0.0040	U
95-50-1	1,2-Dichlorobenzene	1	0.0040	U
107-06-2	1,2-Dichloroethane	1	0.0040	U
78-87-5	1,2-Dichloropropane	1	0.0040	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0040	U
541-73-1	1,3-Dichlorobenzene	1	0.0040	U
142-28-9	1,3-Dichloropropane	1	0.0040	U
106-46-7	1,4-Dichlorobenzene	1	0.0040	U
123-91-1	1,4-Dioxane	1	0.080	U
594-20-7	2,2-Dichloropropane	1	0.0040	U
78-93-3	2-Butanone	1	0.0040	U
95-49-8	2-Chlorotoluene	1	0.0040	U
591-78-6	2-Hexanone	1	0.0040	U
106-43-4	4-Chlorotoluene	1	0.0040	U
108-10-1	4-Methyl-2-pentanone	1	0.0040	U
67-64-1	Acetone	1	0.0087	U
107-02-8	Acrolein	1	0.0080	U
107-13-1	Acrylonitrile	1	0.0040	U
71-43-2	Benzene	1	0.0040	U
108-86-1	Bromobenzene	1	0.0040	U
74-97-5	Bromochloromethane	1	0.0040	U
75-27-4	Bromodichloromethane	1	0.0040	U
75-25-2	Bromoform	1	0.0040	U
74-83-9	Bromomethane	1	0.0040	U
75-15-0	Carbon disulfide	1	0.0040	U
56-23-5	Carbon tetrachloride	1	0.0040	U
108-90-7	Chlorobenzene	1	0.0040	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-27-12-12.5-061924

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-04	File ID:	V5440281.D
Sampled:	06/19/24 09:10	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 14:17
Solids:	85.44	Preparation:	EPA 5035A	Initial/Final:	7.29 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0040	U
67-66-3	Chloroform	1	0.0040	U
74-87-3	Chloromethane	1	0.0040	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0040	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0040	U
110-82-7	Cyclohexane	1	0.0038	J
124-48-1	Dibromochloromethane	1	0.0040	U
74-95-3	Dibromomethane	1	0.0040	U
75-71-8	Dichlorodifluoromethane	1	0.0040	U
100-41-4	Ethyl Benzene	1	0.0040	U
87-68-3	Hexachlorobutadiene	1	0.0040	U
98-82-8	Isopropylbenzene	1	0.0053	
79-20-9	Methyl acetate	1	0.0040	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0040	U
108-87-2	Methylcyclohexane	1	0.017	
75-09-2	Methylene chloride	1	0.0080	U
104-51-8	n-Butylbenzene	1	0.0040	U
103-65-1	n-Propylbenzene	1	0.0088	
95-47-6	o-Xylene	1	0.0040	U
179601-23-1	p- & m- Xylenes	1	0.0080	U
99-87-6	p-Isopropyltoluene	1	0.0038	J
135-98-8	sec-Butylbenzene	1	0.017	
100-42-5	Styrene	1	0.0040	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0040	U
98-06-6	tert-Butylbenzene	1	0.0040	U
127-18-4	Tetrachloroethylene	1	0.0040	U U5
108-88-3	Toluene	1	0.0040	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0040	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0040	U
79-01-6	Trichloroethylene	1	0.0040	U
75-69-4	Trichlorofluoromethane	1	0.0040	U
108-05-4	Vinyl acetate	1	0.0040	U
75-01-4	Vinyl Chloride	1	0.0040	U
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.6	99.1	77 - 125	
SURR: Toluene-d8	50.0	48.1	96.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.8	99.6	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-902-9-10.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-05	File ID:	V5440282.D
Sampled:	06/19/24 09:05	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 14:43
Solids:	85.35	Preparation:	EPA 5035A	Initial/Final:	7.24 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0040	U
71-55-6	1,1,1-Trichloroethane	1	0.0040	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0040	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0040	U
79-00-5	1,1,2-Trichloroethane	1	0.0040	U
75-34-3	1,1-Dichloroethane	1	0.0040	U
75-35-4	1,1-Dichloroethylene	1	0.0040	U
563-58-6	1,1-Dichloropropylene	1	0.0040	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0040	U
96-18-4	1,2,3-Trichloropropane	1	0.0040	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0040	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0040	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0040	U
106-93-4	1,2-Dibromoethane	1	0.0040	U
95-50-1	1,2-Dichlorobenzene	1	0.0040	U
107-06-2	1,2-Dichloroethane	1	0.0040	U
78-87-5	1,2-Dichloropropane	1	0.0040	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0040	U
541-73-1	1,3-Dichlorobenzene	1	0.0040	U
142-28-9	1,3-Dichloropropane	1	0.0040	U
106-46-7	1,4-Dichlorobenzene	1	0.0040	U
123-91-1	1,4-Dioxane	1	0.081	U
594-20-7	2,2-Dichloropropane	1	0.0040	U
78-93-3	2-Butanone	1	0.0040	U
95-49-8	2-Chlorotoluene	1	0.0040	U
591-78-6	2-Hexanone	1	0.0040	U
106-43-4	4-Chlorotoluene	1	0.0040	U
108-10-1	4-Methyl-2-pentanone	1	0.0040	U
67-64-1	Acetone	1	0.014	U
107-02-8	Acrolein	1	0.0081	U
107-13-1	Acrylonitrile	1	0.0040	U
71-43-2	Benzene	1	0.0040	U
108-86-1	Bromobenzene	1	0.0040	U
74-97-5	Bromochloromethane	1	0.0040	U
75-27-4	Bromodichloromethane	1	0.0040	U
75-25-2	Bromoform	1	0.0040	U
74-83-9	Bromomethane	1	0.0040	U
75-15-0	Carbon disulfide	1	0.0040	U
56-23-5	Carbon tetrachloride	1	0.0040	U
108-90-7	Chlorobenzene	1	0.0040	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-902-9-10.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-05	File ID:	V5440282.D
Sampled:	06/19/24 09:05	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 14:43
Solids:	85.35	Preparation:	EPA 5035A	Initial/Final:	7.24 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0040	U
67-66-3	Chloroform	1	0.0040	U
74-87-3	Chloromethane	1	0.0040	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0040	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0040	U
110-82-7	Cyclohexane	1	0.0051	
124-48-1	Dibromochloromethane	1	0.0040	U
74-95-3	Dibromomethane	1	0.0040	U
75-71-8	Dichlorodifluoromethane	1	0.0040	U
100-41-4	Ethyl Benzene	1	0.0040	U
87-68-3	Hexachlorobutadiene	1	0.0040	U
98-82-8	Isopropylbenzene	1	0.0040	U
79-20-9	Methyl acetate	1	0.0040	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0040	U
108-87-2	Methylcyclohexane	1	0.021	
75-09-2	Methylene chloride	1	0.0081	U
104-51-8	n-Butylbenzene	1	0.0040	U
103-65-1	n-Propylbenzene	1	0.0063	
95-47-6	o-Xylene	1	0.0040	U
179601-23-1	p- & m- Xylenes	1	0.0081	U
99-87-6	p-Isopropyltoluene	1	0.0045	
135-98-8	sec-Butylbenzene	1	0.018	
100-42-5	Styrene	1	0.0040	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0040	U
98-06-6	tert-Butylbenzene	1	0.0040	U
127-18-4	Tetrachloroethylene	1	0.0040	U VS
108-88-3	Toluene	1	0.0040	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0040	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0040	U
79-01-6	Trichloroethylene	1	0.0040	U
75-69-4	Trichlorofluoromethane	1	0.0040	U
108-05-4	Vinyl acetate	1	0.0040	U
75-01-4	Vinyl Chloride	1	0.0040	U
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.7	99.3	77 - 125	
SURR: Toluene-d8	50.0	48.0	96.1	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.3	101	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-03-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1323-06	File ID:	V855741.D
Sampled:	06/19/24 10:00	Prepared:	06/21/24 08:00	Analyzed:	06/21/24 18:59
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41443	Sequence:	S4F2413	Calibration:	SF40024
Instrument:	VOA No. 8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.00	U
107-02-8	Acrolein	1	0.500	U
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.740	
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	U
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	7.93	
74-87-3	Chloromethane	1	0.500	U
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

MT 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-03-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1323-06	File ID:	V855741.D
Sampled:	06/19/24 10:00	Prepared:	06/21/24 08:00	Analyzed:	06/21/24 18:59
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41443	Sequence:	S4F2413	Calibration:	SF40024
Instrument:	VOA No. 8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	U
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	U
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U/UJ
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.0	100	69 - 130	
SURR: Toluene-d8	10.0	10.0	100	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.87	98.7	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	528003	5.577	564841	5.577	
ISTD: Chlorobenzene-d5	1945886	8.594	2137263	8.594	
ISTD: 1,2-Dichlorobenzene-d4	801652	11.575	879066	11.575	

MR 8/13/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIPBLANK-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1323-07	File ID:	V855736.D
Sampled:	06/19/24 15:00	Prepared:	06/21/24 08:00	Analyzed:	06/21/24 16:37
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41443	Sequence:	S4F2413	Calibration:	SF40024
Instrument:	VOA No. 8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	1.88	J
107-02-8	Acrolein	1	0.500	U
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.500	U
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	U VS
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	0.500	U
74-87-3	Chloromethane	1	0.500	U
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIPBLANK-061924

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1323-07	File ID:	V855736.D
Sampled:	06/19/24 15:00	Prepared:	06/21/24 08:00	Analyzed:	06/21/24 16:37
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41443	Sequence:	S4F2413	Calibration:	SF40024
Instrument:	VOA No. 8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	U
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	U
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	~~U~~ UJ
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.1	101	69 - 130	
SURR: Toluene-d8	10.0	9.99	99.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.74	97.4	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	538709	5.577	564841	5.577	
ISTD: Chlorobenzene-d5	2017878	8.595	2137263	8.594	
ISTD: 1,2-Dichlorobenzene-d4	837970	11.575	879066	11.575	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-28-I-2-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-08	File ID:	V5440283.D
Sampled:	06/19/24 10:45	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 15:10
Solids:	85.46	Preparation:	EPA 5035A	Initial/Final:	6.34 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0092	U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-28-1-2-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-08	File ID:	V5440283.D
Sampled:	06/19/24 10:45	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 15:10
Solids:	85.46	Preparation:	EPA 5035A	Initial/Final:	6.34 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0034	J
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.18	J
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0039	J
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.7	99.3	77 - 125	
SURR: Toluene-d8	50.0	48.4	96.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.9	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-28-5.5-7-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-09	File ID:	V5440284.D
Sampled:	06/19/24 10:55	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 15:36
Solids:	79.14	Preparation:	EPA 5035A	Initial/Final:	6.45 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.098	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.0098	U
107-02-8	Acrolein	1	0.0098	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-28-5.5-7-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-09	File ID:	V5440284.D
Sampled:	06/19/24 10:55	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 15:36
Solids:	79.14	Preparation:	EPA 5035A	Initial/Final:	6.45 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.017	
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0098	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0098	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.025	
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.1	100	77 - 125	
SURR: Toluene-d8	50.0	48.0	96.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.6	101	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	292441	6.138	275081	6.138	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-28-5.5-7-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-09RE1	File ID:	V2629847.D
Sampled:	06/19/24 10:55	Prepared:	06/24/24 12:30	Analyzed:	06/25/24 02:09
Solids:	79.14	Preparation:	EPA 5035A	Initial/Final:	6.45 g / 5 ml
Batch:	BF41575	Sequence:	S4F2516	Calibration:	SF40003
Instrument:	MS VOA 2				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
127-18-4	Tetrachloroethylene	100	0.94	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.7	97.4	77 - 125	D
SURR: Toluene-d8	50.0	38.4	76.7	85 - 120	D
SURR: p-Bromofluorobenzene	50.0	51.9	104	76 - 130	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	90610	5.897	72125	5.897	
ISTD: Chlorobenzene-d5	410793	8.945	234167	8.952	
ISTD: 1,2-Dichlorobenzene-d4	147844	11.957	114788	11.963	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-332.5-3-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-10	File ID:	V5440285.D
Sampled:	06/19/24 11:25	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 16:02
Solids:	86.54	Preparation:	EPA 5035A	Initial/Final:	5.9 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.098	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.016	U
107-02-8	Acrolein	1	0.0098	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-33-2.5-3-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-10	File ID:	V5440285.D
Sampled:	06/19/24 11:25	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 16:02
Solids:	86.54	Preparation:	EPA 5035A	Initial/Final:	5.9 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0049	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0098	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0098	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
127-18-4	Tetrachloroethylene	1	0.0049	~~U~~ UB
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.0049	U
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.8	104	77 - 125	
SURR: Toluene-d8	50.0	48.6	97.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.2	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

B

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-11	File ID:	V3183672.D
Sampled:	06/19/24 11:35	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 19:09
Solids:	87.08	Preparation:	EPA 5035A	Initial/Final:	6.36 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.090	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0045	U
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.0090	U
107-02-8	Acrolein	1	0.0090	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	U
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-33-4-6-061924

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-11	File ID:	V3183672.D
Sampled:	06/19/24 11:35	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 19:09
Solids:	87.08	Preparation:	EPA 5035A	Initial/Final:	6.36 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0090	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.0045	U
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0090	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.0045	U
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	U
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	59.1	118	77 - 125	
SURR: Toluene-d8	50.0	50.0	99.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.7	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-33-8-9-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-12	File ID:	V5440286.D
Sampled:	06/19/24 11:45	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 16:28
Solids:	85.12	Preparation:	EPA 5035A	Initial/Final:	6.47 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.091	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.014	
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.045	
107-02-8	Acrolein	1	0.0091	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	U
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-338-9-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-12	File ID:	V5440286.D
Sampled:	06/19/24 11:45	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 16:28
Solids:	85.12	Preparation:	EPA 5035A	Initial/Final:	6.47 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0042	J
75-09-2	Methylene chloride	1	0.0091	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.051	
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0091	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.074	
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	U VS
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	55.4	111	77 - 125	
SURR: Toluene-d8	50.0	48.8	97.6	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.6	107	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-903-4-6-061924

13

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-13	File ID:	V5440287.D
Sampled:	06/19/24 11:40	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 16:54
Solids:	85.39	Preparation:	EPA 5035A	Initial/Final:	5.66 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0052	
71-55-6	1,1,1-Trichloroethane	1	0.0052	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0052	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0052	U
79-00-5	1,1,2-Trichloroethane	1	0.0052	U
75-34-3	1,1-Dichloroethane	1	0.0052	U
75-35-4	1,1-Dichloroethylene	1	0.0052	U
563-58-6	1,1-Dichloropropylene	1	0.0052	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0052	
96-18-4	1,2,3-Trichloropropane	1	0.0052	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0052	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0052	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0052	U
106-93-4	1,2-Dibromoethane	1	0.0052	U
95-50-1	1,2-Dichlorobenzene	1	0.0052	U
107-06-2	1,2-Dichloroethane	1	0.0052	U
78-87-5	1,2-Dichloropropane	1	0.0052	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0052	
541-73-1	1,3-Dichlorobenzene	1	0.0052	U
142-28-9	1,3-Dichloropropane	1	0.0052	U
106-46-7	1,4-Dichlorobenzene	1	0.0052	
123-91-1	1,4-Dioxane	1	0.10	
594-20-7	2,2-Dichloropropane	1	0.0052	
78-93-3	2-Butanone	1	0.0052	U
95-49-8	2-Chlorotoluene	1	0.0052	
591-78-6	2-Hexanone	1	0.0052	U
106-43-4	4-Chlorotoluene	1	0.0052	U
108-10-1	4-Methyl-2-pentanone	1	0.0052	U
67-64-1	Acetone	1	0.019	U
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0052	U
71-43-2	Benzene	1	0.0052	U
108-86-1	Bromobenzene	1	0.0052	U
74-97-5	Bromochloromethane	1	0.0052	U
75-27-4	Bromodichloromethane	1	0.0052	U
75-25-2	Bromoform	1	0.0052	U
74-83-9	Bromomethane	1	0.0052	U
75-15-0	Carbon disulfide	1	0.0052	U
56-23-5	Carbon tetrachloride	1	0.0052	U
108-90-7	Chlorobenzene	1	0.0052	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-903-4-6-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-13	File ID:	V5440287.D
Sampled:	06/19/24 11:40	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 16:54
Solids:	85.39	Preparation:	EPA 5035A	Initial/Final:	5.66 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0052	U
67-66-3	Chloroform	1	0.0052	U
74-87-3	Chloromethane	1	0.0052	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0052	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0052	U
110-82-7	Cyclohexane	1	0.0052	U
124-48-1	Dibromochloromethane	1	0.0052	U
74-95-3	Dibromomethane	1	0.0052	U
75-71-8	Dichlorodifluoromethane	1	0.0052	U
100-41-4	Ethyl Benzene	1	0.0052	U
87-68-3	Hexachlorobutadiene	1	0.0052	U
98-82-8	Isopropylbenzene	1	0.0052	U
79-20-9	Methyl acetate	1	0.0052	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0052	U
108-87-2	Methylcyclohexane	1	0.0052	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0052	U
103-65-1	n-Propylbenzene	1	0.0052	U
95-47-6	o-Xylene	1	0.0052	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0052	U
135-98-8	sec-Butylbenzene	1	0.0052	U
100-42-5	Styrene	1	0.0052	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0052	U
98-06-6	tert-Butylbenzene	1	0.0052	U
127-18-4	Tetrachloroethylene	1	0.0052	V5
108-88-3	Toluene	1	0.0052	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0052	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0052	U
79-01-6	Trichloroethylene	1	0.0052	U
75-69-4	Trichlorofluoromethane	1	0.0052	U
108-05-4	Vinyl acetate	1	0.0052	U
75-01-4	Vinyl Chloride	1	0.0052	U
1330-20-7	Xylenes, Total	1	0.016	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.4	103	77 - 125	
SURR: Toluene-d8	50.0	48.4	96.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.9	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/13/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-33-12. 513-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-14	File ID:	V5440288.D
Sampled:	06/19/24 11:55	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 17:21
Solids:	86.01	Preparation:	EPA 5035A	Initial/Final:	6.95 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0042	U
71-55-6	1,1,1-Trichloroethane	1	0.0042	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0042	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0042	U
79-00-5	1,1,2-Trichloroethane	1	0.0042	U
75-34-3	1,1-Dichloroethane	1	0.0042	U
75-35-4	1,1-Dichloroethylene	1	0.0042	U
563-58-6	1,1-Dichloropropylene	1	0.0042	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0042	U
96-18-4	1,2,3-Trichloropropane	1	0.0042	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0042	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0042	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0042	U
106-93-4	1,2-Dibromoethane	1	0.0042	U
95-50-1	1,2-Dichlorobenzene	1	0.0042	U
107-06-2	1,2-Dichloroethane	1	0.0042	U
78-87-5	1,2-Dichloropropane	1	0.0042	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0042	U
541-73-1	1,3-Dichlorobenzene	1	0.0042	U
142-28-9	1,3-Dichloropropane	1	0.0042	U
106-46-7	1,4-Dichlorobenzene	1	0.0042	U
123-91-1	1,4-Dioxane	1	0.084	U
594-20-7	2,2-Dichloropropane	1	0.0042	U
78-93-3	2-Butanone	1	0.0042	U
95-49-8	2-Chlorotoluene	1	0.0042	U
591-78-6	2-Hexanone	1	0.0042	U
106-43-4	4-Chlorotoluene	1	0.0042	U
108-10-1	4-Methyl-2-pentanone	1	0.0042	U
67-64-1	Acetone	1	0.0094	U
107-02-8	Acrolein	1	0.0084	U
107-13-1	Acrylonitrile	1	0.0042	U
71-43-2	Benzene	1	0.0042	U
108-86-1	Bromobenzene	1	0.0042	U
74-97-5	Bromochloromethane	1	0.0042	U
75-27-4	Bromodichloromethane	1	0.0042	U
75-25-2	Bromoform	1	0.0042	U
74-83-9	Bromomethane	1	0.0042	U
75-15-0	Carbon disulfide	1	0.0033	J
56-23-5	Carbon tetrachloride	1	0.0042	U
108-90-7	Chlorobenzene	1	0.0042	U

MF 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

8281 09-B S -3-1 2.5 -1 3 -0 0 2 4

14

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-14	File ID:	V5440288.D
Sampled:	06/19/24 11:55	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 17:21
Solids:	86.01	Preparation:	EPA 5035A	Initial/Final:	6.95 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0042	U
67-66-3	Chloroform	1	0.0042	U
74-87-3	Chloromethane	1	0.0042	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0042	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0042	U
110-82-7	Cyclohexane	1	0.0042	U
124-48-1	Dibromochloromethane	1	0.0042	U
74-95-3	Dibromomethane	1	0.0042	U
75-71-8	Dichlorodifluoromethane	1	0.0042	U
100-41-4	Ethyl Benzene	1	0.0042	U
87-68-3	Hexachlorobutadiene	1	0.0042	U
98-82-8	Isopropylbenzene	1	0.028	
79-20-9	Methyl acetate	1	0.0042	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0042	U
108-87-2	Methylcyclohexane	1	0.0090	
75-09-2	Methylene chloride	1	0.0084	U
104-51-8	n-Butylbenzene	1	0.0042	U
103-65-1	n-Propylbenzene	1	0.044	
95-47-6	o-Xylene	1	0.0042	U
179601-23-1	p- & m- Xylenes	1	0.0084	U
99-87-6	p-Isopropyltoluene	1	0.0042	U
135-98-8	sec-Butylbenzene	1	0.037	
100-42-5	Styrene	1	0.0042	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0042	U
98-06-6	tert-Butylbenzene	1	0.0042	U
127-18-4	Tetrachloroethylene	1	0.0042	~~U~~ UJ
108-88-3	Toluene	1	0.0042	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0042	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0042	U
79-01-6	Trichloroethylene	1	0.0042	U
75-69-4	Trichlorofluoromethane	1	0.0042	U
108-05-4	Vinyl acetate	1	0.0042	U
75-01-4	Vinyl Chloride	1	0.0042	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.4	105	77 - 125	
SURR: Toluene-d8	50.0	48.2	96.3	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.0	100	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-30-1-2-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-15	File ID:	V5440289.D
Sampled:	06/19/24 13:20	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 17:47
Solids:	82.74	Preparation:	EPA 5035A	Initial/Final:	5.86 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0052	U
71-55-6	1,1,1-Trichloroethane	1	0.0052	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0052	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0052	U
79-00-5	1,1,2-Trichloroethane	1	0.0052	U
75-34-3	1,1-Dichloroethane	1	0.0052	U
75-35-4	1,1-Dichloroethylene	1	0.0052	U
563-58-6	1,1-Dichloropropylene	1	0.0052	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0052	U
96-18-4	1,2,3-Trichloropropane	1	0.0052	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0052	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0052	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0052	U
106-93-4	1,2-Dibromoethane	1	0.0052	U
95-50-1	1,2-Dichlorobenzene	1	0.0052	U
107-06-2	1,2-Dichloroethane	1	0.0052	U
78-87-5	1,2-Dichloropropane	1	0.0052	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0052	U
541-73-1	1,3-Dichlorobenzene	1	0.0052	U
142-28-9	1,3-Dichloropropane	1	0.0052	U
106-46-7	1,4-Dichlorobenzene	1	0.0052	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0052	U
78-93-3	2-Butanone	1	0.0052	U
95-49-8	2-Chlorotoluene	1	0.0052	U
591-78-6	2-Hexanone	1	0.0052	U
106-43-4	4-Chlorotoluene	1	0.0052	U
108-10-1	4-Methyl-2-pentanone	1	0.0052	U
67-64-1	Acetone	1	0.010	U
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0052	U
71-43-2	Benzene	1	0.0052	U
108-86-1	Bromobenzene	1	0.0052	U
74-97-5	Bromochloromethane	1	0.0052	U
75-27-4	Bromodichloromethane	1	0.0052	U
75-25-2	Bromoform	1	0.0052	U
74-83-9	Bromomethane	1	0.0052	U
75-15-0	Carbon disulfide	1	0.0052	U
56-23-5	Carbon tetrachloride	1	0.0052	U
108-90-7	Chlorobenzene	1	0.0052	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109- BS- 30- 1-2-0924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-15	File ID:	V5440289.D
Sampled:	06/19/24 13:20	Prepared:	06/21/24 09:00	Analyzed:	06/21/24 17:47
Solids:	82.74	Preparation:	EPA 5035A	Initial/Final:	5.86 g / 5 ml
Batch:	BF41434	Sequence:	S4F2410	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0052	U
67-66-3	Chloroform	1	0.0052	U
74-87-3	Chloromethane	1	0.0052	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0052	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0052	U
110-82-7	Cyclohexane	1	0.0052	U
124-48-1	Dibromochloromethane	1	0.0052	U
74-95-3	Dibromomethane	1	0.0052	U
75-71-8	Dichlorodifluoromethane	1	0.0052	U
100-41-4	Ethyl Benzene	1	0.0052	U
87-68-3	Hexachlorobutadiene	1	0.0052	U
98-82-8	Isopropylbenzene	1	0.0052	U
79-20-9	Methyl acetate	1	0.0052	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0052	U
108-87-2	Methylcyclohexane	1	0.0052	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0052	U
103-65-1	n-Propylbenzene	1	0.0052	U
95-47-6	o-Xylene	1	0.0052	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0052	U
135-98-8	sec-Butylbenzene	1	0.0052	U
100-42-5	Styrene	1	0.0052	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0052	U
98-06-6	tert-Butylbenzene	1	0.0052	U
127-18-4	Tetrachloroethylene	1	0.0052	V U5
108-88-3	Toluene	1	0.0052	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0052	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0052	U
79-01-6	Trichloroethylene	1	0.0052	U
75-69-4	Trichlorofluoromethane	1	0.0052	U
108-05-4	Vinyl acetate	1	0.0052	U
75-01-4	Vinyl Chloride	1	0.0052	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.8	104	77 - 125	
SURR: Toluene-d8	50.0	48.1	96.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.7	103	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1323	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1323-16	File ID:	V3183724.D
Sampled:	06/19/24 13:40	Prepared:	06/25/24 12:30	Analyzed:	06/25/24 20:55
Solids:	81.88	Preparation:	EPA 5035A	Initial/Final:	6.74 g / 5 ml
Batch:	BF41686	Sequence: S4F2617	Calibration:	SF40014	Instrument: VOA No. 3

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	100	0.45	U
71-55-6	1,1,1-Trichloroethane	100	0.45	U
79-34-5	1,1,2,2-Tetrachloroethane	100	0.45	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	100	0.45	U
79-00-5	1,1,2-Trichloroethane	100	0.45	U
75-34-3	1,1-Dichloroethane	100	0.45	U
75-35-4	1,1-Dichloroethylene	100	0.45	U
563-58-6	1,1-Dichloropropylene	100	0.45	U
87-61-6	1,2,3-Trichlorobenzene	100	0.45	U
96-18-4	1,2,3-Trichloropropane	100	0.45	U
120-82-1	1,2,4-Trichlorobenzene	100	0.45	U
95-63-6	1,2,4-Trimethylbenzene	100	0.45	U
96-12-8	1,2-Dibromo-3-chloropropane	100	0.45	U
106-93-4	1,2-Dibromoethane	100	0.45	U
95-50-1	1,2-Dichlorobenzene	100	0.45	U
107-06-2	1,2-Dichloroethane	100	0.45	U
78-87-5	1,2-Dichloropropane	100	0.45	U
108-67-8	1,3,5-Trimethylbenzene	100	0.45	U
541-73-1	1,3-Dichlorobenzene	100	0.45	U
142-28-9	1,3-Dichloropropane	100	0.45	U
106-46-7	1,4-Dichlorobenzene	100	0.45	U
123-91-1	1,4-Dioxane	100	9.1	U
594-20-7	2,2-Dichloropropane	100	0.45	U
78-93-3	2-Butanone	100	0.45	U
95-49-8	2-Chlorotoluene	100	0.45	U
591-78-6	2-Hexanone	100	0.45	U
106-43-4	4-Chlorotoluene	100	0.45	U
108-10-1	4-Methyl-2-pentanone	100	0.45	U
67-64-1	Acetone	100	0.91	U
107-02-8	Acrolein	100	0.91	U
107-13-1	Acrylonitrile	100	0.45	U
71-43-2	Benzene	100	0.45	U
108-86-1	Bromobenzene	100	0.45	U
74-97-5	Bromochloromethane	100	0.45	U
75-27-4	Bromodichloromethane	100	0.45	U
75-25-2	Bromoform	100	0.45	✓ UJ
74-83-9	Bromomethane	100	0.45	U
75-15-0	Carbon disulfide	100	0.45	U
56-23-5	Carbon tetrachloride	100	0.45	U
108-90-7	Chlorobenzene	100	0.45	✓ UJ

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

8 28109BS-30-9-10-061924

16

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-16	File ID:	V3183724.D
Sampled:	06/19/24 13:40	Prepared:	06/25/24 12:30	Analyzed:	06/25/24 20:55
Solids:	81.88	Preparation:	EPA 5035A	Initial/Final:	6.74 g / 5 ml
Batch:	BF41686	Sequence:	S4F2617	Calibration:	SF40014 Instrument: VOA No. 3

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	100	0.45	UJ
67-66-3	Chloroform	100	0.45	U
74-87-3	Chloromethane	100	0.45	U
156-59-2	cis-1,2-Dichloroethylene	100	0.45	U
10061-01-5	cis-1,3-Dichloropropylene	100	0.45	UJ
110-82-7	Cyclohexane	100	0.45	U
124-48-1	Dibromochloromethane	100	0.45	U
74-95-3	Dibromomethane	100	0.45	U
75-71-8	Dichlorodifluoromethane	100	0.45	U
100-41-4	Ethyl Benzene	100	0.45	U
87-68-3	Hexachlorobutadiene	100	0.45	UJ
98-82-8	Isopropylbenzene	100	0.29	J
79-20-9	Methyl acetate	100	0.45	U
1634-04-4	Methyl tert-butyl ether (MTBE)	100	0.45	U
108-87-2	Methylcyclohexane	100	0.48	
75-09-2	Methylene chloride	100	0.91	U
104-51-8	n-Butylbenzene	100	0.91	
103-65-1	n-Propylbenzene	100	0.67	
95-47-6	o-Xylene	100	0.45	U
179601-23-1	p- & m- Xylenes	100	0.91	U
99-87-6	p-Isopropyltoluene	100	0.45	U
135-98-8	sec-Butylbenzene	100	0.78	
100-42-5	Styrene	100	0.45	U
75-65-0	tert-Butyl alcohol (TBA)	100	0.45	U
98-06-6	tert-Butylbenzene	100	0.45	U
127-18-4	Tetrachloroethylene	100	0.45	UJ
108-88-3	Toluene	100	0.45	U
156-60-5	trans-1,2-Dichloroethylene	100	0.45	U
10061-02-6	trans-1,3-Dichloropropylene	100	0.45	UJ
79-01-6	Trichloroethylene	100	0.45	U
75-69-4	Trichlorofluoromethane	100	0.45	U
108-05-4	Vinyl acetate	100	0.45	U
75-01-4	Vinyl Chloride	100	0.45	U
1330-20-7	Xylenes, Total	100	1.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	58.9	118	77 - 125	
SURR: Toluene-d8	50.0	49.7	99.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.6	101	76 - 130	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-17	File ID:	V3183674.D
Sampled:	06/19/24 13:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:02
Solids:	84.13	Preparation:	EPA 5035A	Initial/Final:	6.62 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013

Instrument: VOA No 3

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.090	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0045	U
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.0090	U
107-02-8	Acrolein	1	0.0090	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	U
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

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828109-BS -30-13-14-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-17	File ID:	V3183674.D
Sampled:	06/19/24 13:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:02
Solids:	84.13	Preparation:	EPA 5035A	Initial/Final:	6.62 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0090	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.0045	U
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0090	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.0045	U
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	U
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.8	104	77 - 125	
SURR: Toluene-d8	50.0	48.3	96.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.3	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-30-4-5-061924

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24F1323

Client: CDM Smith Project: Speedys Cleaners 247380

Matrix: Soil Laboratory ID: 24F1323-18 File ID: V3183675.D

Sampled: 06/19/24 13:50 Prepared: 06/24/24 12:30 Analyzed: 06/24/24 20:28

Solids: 84.93 Preparation: EPA 5035A Initial/Final: 6.66 g / 5 ml

Batch: BF41582 Sequence: S4F2534 Calibration: SF40013 Instrument: VOA No. 3

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0044	U
71-55-6	1,1,1-Trichloroethane	1	0.0044	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0044	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0044	U
79-00-5	1,1,2-Trichloroethane	1	0.0044	U
75-34-3	1,1-Dichloroethane	1	0.0044	U
75-35-4	1,1-Dichloroethylene	1	0.0044	U
563-58-6	1,1-Dichloropropylene	1	0.0044	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0044	U
96-18-4	1,2,3-Trichloropropane	1	0.0044	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0044	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0044	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0044	U
106-93-4	1,2-Dibromoethane	1	0.0044	U
95-50-1	1,2-Dichlorobenzene	1	0.0044	U
107-06-2	1,2-Dichloroethane	1	0.0044	U
78-87-5	1,2-Dichloropropane	1	0.0044	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0044	U
541-73-1	1,3-Dichlorobenzene	1	0.0044	U
142-28-9	1,3-Dichloropropane	1	0.0044	U
106-46-7	1,4-Dichlorobenzene	1	0.0044	U
123-91-1	1,4-Dioxane	1	0.088	U
594-20-7	2,2-Dichloropropane	1	0.0044	U
78-93-3	2-Butanone	1	0.0044	U
95-49-8	2-Chlorotoluene	1	0.0044	U
591-78-6	2-Hexanone	1	0.0044	U
106-43-4	4-Chlorotoluene	1	0.0044	U
108-10-1	4-Methyl-2-pentanone	1	0.0044	U
67-64-1	Acetone	1	0.0088	U
107-02-8	Acrolein	1	0.0088	U
107-13-1	Acrylonitrile	1	0.0044	U
71-43-2	Benzene	1	0.0044	U
108-86-1	Bromobenzene	1	0.0044	U
74-97-5	Bromochloromethane	1	0.0044	U
75-27-4	Bromodichloromethane	1	0.0044	U
75-25-2	Bromoform	1	0.0044	U
74-83-9	Bromomethane	1	0.0044	U
75-15-0	Carbon disulfide	1	0.0044	U
56-23-5	Carbon tetrachloride	1	0.0044	U
108-90-7	Chlorobenzene	1	0.0044	U

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FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

828109-BS-30-4-5-061924

18

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-18	File ID:	V3183675.D
Sampled:	06/19/24 13:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:28
Solids:	84.93	Preparation:	EPA 5035A	Initial/Final:	6.66 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0044	U
67-66-3	Chloroform	1	0.0044	U
74-87-3	Chloromethane	1	0.0044	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0044	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0044	U
110-82-7	Cyclohexane	1	0.0044	U
124-48-1	Dibromochloromethane	1	0.0044	U
74-95-3	Dibromomethane	1	0.0044	U
75-71-8	Dichlorodifluoromethane	1	0.0044	U
100-41-4	Ethyl Benzene	1	0.0044	U
87-68-3	Hexachlorobutadiene	1	0.0044	U
98-82-8	Isopropylbenzene	1	0.0044	U
79-20-9	Methyl acetate	1	0.0044	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0044	U
108-87-2	Methylcyclohexane	1	0.0044	U
75-09-2	Methylene chloride	1	0.0088	U
104-51-8	n-Butylbenzene	1	0.0044	U
103-65-1	n-Propylbenzene	1	0.0044	U
95-47-6	o-Xylene	1	0.0044	U
179601-23-1	p- & m- Xylenes	1	0.0088	U
99-87-6	p-Isopropyltoluene	1	0.0044	U
135-98-8	sec-Butylbenzene	1	0.0044	U
100-42-5	Styrene	1	0.0044	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0044	U
98-06-6	tert-Butylbenzene	1	0.0044	U
127-18-4	Tetrachloroethylene	1	0.0044	U
108-88-3	Toluene	1	0.0044	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0044	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0044	U
79-01-6	Trichloroethylene	1	0.0044	U
75-69-4	Trichlorofluoromethane	1	0.0044	U
108-05-4	Vinyl acetate	1	0.0044	U
75-01-4	Vinyl Chloride	1	0.0044	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	58.4	117	77 - 125	
SURR: Toluene-d8	50.0	49.6	99.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.8	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

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82 8109-BS-3 4 - 1- 2- 0 61924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-19	File ID:	V3183676.D
Sampled:	06/19/24 14:00	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:54
Solids:	89.36	Preparation:	EPA 5035A	Initial/Final:	7.11 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0039	U
71-55-6	1,1,1-Trichloroethane	1	0.0039	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0039	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0039	U
79-00-5	1,1,2-Trichloroethane	1	0.0039	U
75-34-3	1,1-Dichloroethane	1	0.0039	U
75-35-4	1,1-Dichloroethylene	1	0.0039	U
563-58-6	1,1-Dichloropropylene	1	0.0039	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0039	U
96-18-4	1,2,3-Trichloropropane	1	0.0039	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0039	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0039	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0039	U
106-93-4	1,2-Dibromoethane	1	0.0039	U
95-50-1	1,2-Dichlorobenzene	1	0.0039	U
107-06-2	1,2-Dichloroethane	1	0.0039	U
78-87-5	1,2-Dichloropropane	1	0.0039	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0039	U
541-73-1	1,3-Dichlorobenzene	1	0.0039	U
142-28-9	1,3-Dichloropropane	1	0.0039	U
106-46-7	1,4-Dichlorobenzene	1	0.0039	U
123-91-1	1,4-Dioxane	1	0.079	U
594-20-7	2,2-Dichloropropane	1	0.0039	U
78-93-3	2-Butanone	1	0.0046	
95-49-8	2-Chlorotoluene	1	0.0039	U
591-78-6	2-Hexanone	1	0.0039	U
106-43-4	4-Chlorotoluene	1	0.0039	U
108-10-1	4-Methyl-2-pentanone	1	0.0039	U
67-64-1	Acetone	1	0.026	
107-02-8	Acrolein	1	0.0079	U
107-13-1	Acrylonitrile	1	0.0039	U
71-43-2	Benzene	1	0.0039	U
108-86-1	Bromobenzene	1	0.0039	U
74-97-5	Bromochloromethane	1	0.0039	U
75-27-4	Bromodichloromethane	1	0.0039	U
75-25-2	Bromoform	1	0.0039	U
74-83-9	Bromomethane	1	0.0039	U
75-15-0	Carbon disulfide	1	0.0039	U
56-23-5	Carbon tetrachloride	1	0.0039	U
108-90-7	Chlorobenzene	1	0.0039	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

82810 9BS-34-1-2-061924

19

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-19	File ID:	V3183676.D
Sampled:	06/19/24 14:00	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:54
Solids:	89.36	Preparation:	EPA 5035A	Initial/Final:	7.11 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0039	U
67-66-3	Chloroform	1	0.0039	U
74-87-3	Chloromethane	1	0.0039	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0039	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0039	U
110-82-7	Cyclohexane	1	0.0039	U
124-48-1	Dibromochloromethane	1	0.0039	U
74-95-3	Dibromomethane	1	0.0039	U
75-71-8	Dichlorodifluoromethane	1	0.0039	U
100-41-4	Ethyl Benzene	1	0.0039	U
87-68-3	Hexachlorobutadiene	1	0.0039	U
98-82-8	Isopropylbenzene	1	0.0039	U
79-20-9	Methyl acetate	1	0.0039	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0039	U
108-87-2	Methylcyclohexane	1	0.0039	U
75-09-2	Methylene chloride	1	0.0079	U
104-51-8	n-Butylbenzene	1	0.0039	U
103-65-1	n-Propylbenzene	1	0.0039	U
95-47-6	o-Xylene	1	0.0039	U
179601-23-1	p- & m- Xylenes	1	0.0079	U
99-87-6	p-Isopropyltoluene	1	0.0039	U
135-98-8	sec-Butylbenzene	1	0.0039	U
100-42-5	Styrene	1	0.0039	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0039	U
98-06-6	tert-Butylbenzene	1	0.0039	U
127-18-4	Tetrachloroethylene	1	0.0039	U
108-88-3	Toluene	1	0.0039	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0039	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0039	U
79-01-6	Trichloroethylene	1	0.0039	U
75-69-4	Trichlorofluoromethane	1	0.0039	U
108-05-4	Vinyl acetate	1	0.0039	U
75-01-4	Vinyl Chloride	1	0.0039	U
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	59.1	118	77 - 125	
SURR: Toluene-d8	50.0	50.3	101	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.6	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-34-6-6. 5061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-20	File ID:	V3183677.D
Sampled:	06/19/24 14:10	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:20
Solids:	81.85	Preparation:	EPA 5035A	Initial/Final:	5.94 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0051	U
71-55-6	1,1,1-Trichloroethane	1	0.0051	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0051	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0051	U
79-00-5	1,1,2-Trichloroethane	1	0.0051	U
75-34-3	1,1-Dichloroethane	1	0.0051	U
75-35-4	1,1-Dichloroethylene	1	0.0051	U
563-58-6	1,1-Dichloropropylene	1	0.0051	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0051	U
96-18-4	1,2,3-Trichloropropane	1	0.0051	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0051	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0051	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0051	U
106-93-4	1,2-Dibromoethane	1	0.0051	U
95-50-1	1,2-Dichlorobenzene	1	0.0051	U
107-06-2	1,2-Dichloroethane	1	0.0051	U
78-87-5	1,2-Dichloropropane	1	0.0051	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0051	U
541-73-1	1,3-Dichlorobenzene	1	0.0051	U
142-28-9	1,3-Dichloropropane	1	0.0051	U
106-46-7	1,4-Dichlorobenzene	1	0.0051	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0051	U
78-93-3	2-Butanone	1	0.0051	U
95-49-8	2-Chlorotoluene	1	0.0051	U
591-78-6	2-Hexanone	1	0.0051	U
106-43-4	4-Chlorotoluene	1	0.0051	U
108-10-1	4-Methyl-2-pentanone	1	0.0051	U
67-64-1	Acetone	1	0.023	
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0051	U
71-43-2	Benzene	1	0.0051	U
108-86-1	Bromobenzene	1	0.0051	U
74-97-5	Bromochloromethane	1	0.0051	U
75-27-4	Bromodichloromethane	1	0.0051	U
75-25-2	Bromoform	1	0.0051	U
74-83-9	Bromomethane	1	0.0051	U
75-15-0	Carbon disulfide	1	0.0051	U
56-23-5	Carbon tetrachloride	1	0.0051	U
108-90-7	Chlorobenzene	1	0.0051	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-34-6-6.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-20	File ID:	V3183677.D
Sampled:	06/19/24 14:10	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:20
Solids:	81.85	Preparation:	EPA 5035A	Initial/Final:	5.94 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0051	U
67-66-3	Chloroform	1	0.0051	U
74-87-3	Chloromethane	1	0.0051	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0051	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0051	U
110-82-7	Cyclohexane	1	0.0051	U
124-48-1	Dibromochloromethane	1	0.0051	U
74-95-3	Dibromomethane	1	0.0051	U
75-71-8	Dichlorodifluoromethane	1	0.0051	U
100-41-4	Ethyl Benzene	1	0.0051	U
87-68-3	Hexachlorobutadiene	1	0.0051	U
98-82-8	Isopropylbenzene	1	0.0051	U
79-20-9	Methyl acetate	1	0.0051	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0051	U
108-87-2	Methylcyclohexane	1	0.0051	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0051	U
103-65-1	n-Propylbenzene	1	0.0051	U
95-47-6	o-Xylene	1	0.0051	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0051	U
135-98-8	sec-Butylbenzene	1	0.0051	U
100-42-5	Styrene	1	0.0051	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0051	U
98-06-6	tert-Butylbenzene	1	0.0051	U
127-18-4	Tetrachloroethylene	1	0.0051	U
108-88-3	Toluene	1	0.0051	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0051	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0051	U
79-01-6	Trichloroethylene	1	0.0051	U
75-69-4	Trichlorofluoromethane	1	0.0051	U
108-05-4	Vinyl acetate	1	0.0051	U
75-01-4	Vinyl Chloride	1	0.0051	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	60.6	121	77 - 125	
SURR: Toluene-d8	50.0	50.1	100	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.8	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-34-10-10.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-21	File ID:	V3183678.D
Sampled:	06/19/24 14:20	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:46
Solids:	88.34	Preparation:	EPA 5035A	Initial/Final:	5.98 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0047	U
71-55-6	1,1,1-Trichloroethane	1	0.0047	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0047	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0047	U
79-00-5	1,1,2-Trichloroethane	1	0.0047	U
75-34-3	1,1-Dichloroethane	1	0.0047	U
75-35-4	1,1-Dichloroethylene	1	0.0047	U
563-58-6	1,1-Dichloropropylene	1	0.0047	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0047	U
96-18-4	1,2,3-Trichloropropane	1	0.0047	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0047	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0047	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0047	U
106-93-4	1,2-Dibromoethane	1	0.0047	U
95-50-1	1,2-Dichlorobenzene	1	0.0047	U
107-06-2	1,2-Dichloroethane	1	0.0047	U
78-87-5	1,2-Dichloropropane	1	0.0047	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0047	U
541-73-1	1,3-Dichlorobenzene	1	0.0047	U
142-28-9	1,3-Dichloropropane	1	0.0047	U
106-46-7	1,4-Dichlorobenzene	1	0.0047	U
123-91-1	1,4-Dioxane	1	0.095	U
594-20-7	2,2-Dichloropropane	1	0.0047	U
78-93-3	2-Butanone	1	0.0047	U
95-49-8	2-Chlorotoluene	1	0.0047	U
591-78-6	2-Hexanone	1	0.0047	U
106-43-4	4-Chlorotoluene	1	0.0047	U
108-10-1	4-Methyl-2-pentanone	1	0.0047	U
67-64-1	Acetone	1	0.0095	U
107-02-8	Acrolein	1	0.0095	U
107-13-1	Acrylonitrile	1	0.0047	U
71-43-2	Benzene	1	0.0047	U
108-86-1	Bromobenzene	1	0.0047	U
74-97-5	Bromochloromethane	1	0.0047	U
75-27-4	Bromodichloromethane	1	0.0047	U
75-25-2	Bromoform	1	0.0047	U
74-83-9	Bromomethane	1	0.0047	U
75-15-0	Carbon disulfide	1	0.0047	U
56-23-5	Carbon tetrachloride	1	0.0047	U
108-90-7	Chlorobenzene	1	0.0047	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-34-10-10.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-21	File ID:	V3183678.D
Sampled:	06/19/24 14:20	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:46
Solids:	88.34	Preparation:	EPA 5035A	Initial/Final:	5.98 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0047	U
67-66-3	Chloroform	1	0.0047	U
74-87-3	Chloromethane	1	0.0047	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0047	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0047	U
110-82-7	Cyclohexane	1	0.0047	U
124-48-1	Dibromochloromethane	1	0.0047	U
74-95-3	Dibromomethane	1	0.0047	U
75-71-8	Dichlorodifluoromethane	1	0.0047	U
100-41-4	Ethyl Benzene	1	0.0047	U
87-68-3	Hexachlorobutadiene	1	0.0047	U
98-82-8	Isopropylbenzene	1	0.0047	U
79-20-9	Methyl acetate	1	0.0047	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0047	U
108-87-2	Methylcyclohexane	1	0.0047	U
75-09-2	Methylene chloride	1	0.0095	U
104-51-8	n-Butylbenzene	1	0.0047	U
103-65-1	n-Propylbenzene	1	0.0047	U
95-47-6	o-Xylene	1	0.0047	U
179601-23-1	p- & m- Xylenes	1	0.0095	U
99-87-6	p-Isopropyltoluene	1	0.0047	U
135-98-8	sec-Butylbenzene	1	0.0047	U
100-42-5	Styrene	1	0.0047	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0047	U
98-06-6	tert-Butylbenzene	1	0.0047	U
127-18-4	Tetrachloroethylene	1	0.0047	U
108-88-3	Toluene	1	0.0047	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0047	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0047	U
79-01-6	Trichloroethylene	1	0.0047	U
75-69-4	Trichlorofluoromethane	1	0.0047	U
108-05-4	Vinyl acetate	1	0.0047	U
75-01-4	Vinyl Chloride	1	0.0047	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	56.9	114	77 - 125	
SURR: Toluene-d8	50.0	50.4	101	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.2	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-34-14-14.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-22	File ID:	V3183679.D
Sampled:	06/19/24 14:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:13
Solids:	93.29	Preparation:	EPA 5035A	Initial/Final:	4.28 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0063	U
71-55-6	1,1,1-Trichloroethane	1	0.0063	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0063	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0063	U
79-00-5	1,1,2-Trichloroethane	1	0.0063	U
75-34-3	1,1-Dichloroethane	1	0.0063	U
75-35-4	1,1-Dichloroethylene	1	0.0063	U
563-58-6	1,1-Dichloropropylene	1	0.0063	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0063	U
96-18-4	1,2,3-Trichloropropane	1	0.0063	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0063	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0063	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0063	U
106-93-4	1,2-Dibromoethane	1	0.0063	U
95-50-1	1,2-Dichlorobenzene	1	0.0063	U
107-06-2	1,2-Dichloroethane	1	0.0063	U
78-87-5	1,2-Dichloropropane	1	0.0063	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0063	U
541-73-1	1,3-Dichlorobenzene	1	0.0063	U
142-28-9	1,3-Dichloropropane	1	0.0063	U
106-46-7	1,4-Dichlorobenzene	1	0.0063	U
123-91-1	1,4-Dioxane	1	0.13	U
594-20-7	2,2-Dichloropropane	1	0.0063	U
78-93-3	2-Butanone	1	0.0063	U
95-49-8	2-Chlorotoluene	1	0.0063	U
591-78-6	2-Hexanone	1	0.0063	U
106-43-4	4-Chlorotoluene	1	0.0063	U
108-10-1	4-Methyl-2-pentanone	1	0.0063	U
67-64-1	Acetone	1	0.013	U
107-02-8	Acrolein	1	0.013	U
107-13-1	Acrylonitrile	1	0.0063	U
71-43-2	Benzene	1	0.0063	U
108-86-1	Bromobenzene	1	0.0063	U
74-97-5	Bromochloromethane	1	0.0063	U
75-27-4	Bromodichloromethane	1	0.0063	U
75-25-2	Bromoform	1	0.0063	U
74-83-9	Bromomethane	1	0.0063	U
75-15-0	Carbon disulfide	1	0.0063	U
56-23-5	Carbon tetrachloride	1	0.0063	U
108-90-7	Chlorobenzene	1	0.0063	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-34-14-14.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-22	File ID:	V3183679.D
Sampled:	06/19/24 14:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:13
Solids:	93.29	Preparation:	EPA 5035A	Initial/Final:	4.28 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0063	U
67-66-3	Chloroform	1	0.0063	U
74-87-3	Chloromethane	1	0.0063	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0063	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0063	U
110-82-7	Cyclohexane	1	0.0063	U
124-48-1	Dibromochloromethane	1	0.0063	U
74-95-3	Dibromomethane	1	0.0063	U
75-71-8	Dichlorodifluoromethane	1	0.0063	U
100-41-4	Ethyl Benzene	1	0.0063	U
87-68-3	Hexachlorobutadiene	1	0.0063	U
98-82-8	Isopropylbenzene	1	0.0063	U
79-20-9	Methyl acetate	1	0.0063	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0063	U
108-87-2	Methylcyclohexane	1	0.0063	U
75-09-2	Methylene chloride	1	0.013	U
104-51-8	n-Butylbenzene	1	0.0063	U
103-65-1	n-Propylbenzene	1	0.0063	U
95-47-6	o-Xylene	1	0.0063	U
179601-23-1	p- & m- Xylenes	1	0.013	U
99-87-6	p-Isopropyltoluene	1	0.0063	U
135-98-8	sec-Butylbenzene	1	0.0063	U
100-42-5	Styrene	1	0.0063	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0063	U
98-06-6	tert-Butylbenzene	1	0.0063	U
127-18-4	Tetrachloroethylene	1	0.0063	U
108-88-3	Toluene	1	0.0063	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0063	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0063	U
79-01-6	Trichloroethylene	1	0.0063	U
75-69-4	Trichlorofluoromethane	1	0.0063	U
108-05-4	Vinyl acetate	1	0.0063	U
75-01-4	Vinyl Chloride	1	0.0063	U
1330-20-7	Xylenes, Total	1	0.019	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1 2-Dichloroethane-d4	50.0	59.1	118	77 - 125	
SURR: Toluene-d8	50.0	50.3	101	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.6	103	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-33-16-16.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-23	File ID:	V3183680.D
Sampled:	06/19/24 14:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:39
Solids:	88.87	Preparation:	EPA 5035A	Initial/Final:	6.6 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0043	U
71-55-6	1,1,1-Trichloroethane	1	0.0043	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0043	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0043	U
79-00-5	1,1,2-Trichloroethane	1	0.0043	U
75-34-3	1,1-Dichloroethane	1	0.0043	U
75-35-4	1,1-Dichloroethylene	1	0.0043	U
563-58-6	1,1-Dichloropropylene	1	0.0043	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0043	U
96-18-4	1,2,3-Trichloropropane	1	0.0043	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0043	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0043	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0043	U
106-93-4	1,2-Dibromoethane	1	0.0043	U
95-50-1	1,2-Dichlorobenzene	1	0.0043	U
107-06-2	1,2-Dichloroethane	1	0.0043	U
78-87-5	1,2-Dichloropropane	1	0.0043	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0043	U
541-73-1	1,3-Dichlorobenzene	1	0.0043	U
142-28-9	1,3-Dichloropropane	1	0.0043	U
106-46-7	1,4-Dichlorobenzene	1	0.0043	U
123-91-1	1,4-Dioxane	1	0.085	U
594-20-7	2,2-Dichloropropane	1	0.0043	U
78-93-3	2-Butanone	1	0.0043	U
95-49-8	2-Chlorotoluene	1	0.0043	U
591-78-6	2-Hexanone	1	0.0043	U
106-43-4	4-Chlorotoluene	1	0.0043	U
108-10-1	4-Methyl-2-pentanone	1	0.0043	U
67-64-1	Acetone	1	0.010	U
107-02-8	Acrolein	1	0.0085	U
107-13-1	Acrylonitrile	1	0.0043	U
71-43-2	Benzene	1	0.0043	U
108-86-1	Bromobenzene	1	0.0043	U
74-97-5	Bromochloromethane	1	0.0043	U
75-27-4	Bromodichloromethane	1	0.0043	U
75-25-2	Bromoform	1	0.0043	U
74-83-9	Bromomethane	1	0.0043	U
75-15-0	Carbon disulfide	1	0.0044	
56-23-5	Carbon tetrachloride	1	0.0043	U
108-90-7	Chlorobenzene	1	0.0043	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-33-16-16.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1323
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1323-23	File ID:	V3183680.D
Sampled:	06/19/24 14:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:39
Solids:	88.87	Preparation:	EPA 5035A	Initial/Final:	6.6 g / 5 ml
Batch:	BF41582	Sequence:	S4F2534	Calibration:	SF40013
Instrument:	VOA No. 3				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0043	U
67-66-3	Chloroform	1	0.0043	U
74-87-3	Chloromethane	1	0.0043	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0043	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0043	U
110-82-7	Cyclohexane	1	0.0029	J
124-48-1	Dibromochloromethane	1	0.0043	U
74-95-3	Dibromomethane	1	0.0043	U
75-71-8	Dichlorodifluoromethane	1	0.0043	U
100-41-4	Ethyl Benzene	1	0.0043	U
87-68-3	Hexachlorobutadiene	1	0.0043	U
98-82-8	Isopropylbenzene	1	0.0055	
79-20-9	Methyl acetate	1	0.0043	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0043	U
108-87-2	Methylcyclohexane	1	0.0028	J
75-09-2	Methylene chloride	1	0.0085	U
104-51-8	n-Butylbenzene	1	0.0052	
103-65-1	n-Propylbenzene	1	0.0092	
95-47-6	o-Xylene	1	0.0043	U
179601-23-1	p- & m- Xylenes	1	0.0085	U
99-87-6	p-Isopropyltoluene	1	0.0043	U
135-98-8	sec-Butylbenzene	1	0.0090	
100-42-5	Styrene	1	0.0043	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0043	U
98-06-6	tert-Butylbenzene	1	0.0043	U
127-18-4	Tetrachloroethylene	1	0.0043	U
108-88-3	Toluene	1	0.0043	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0043	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0043	U
79-01-6	Trichloroethylene	1	0.0043	U
75-69-4	Trichlorofluoromethane	1	0.0043	U
108-05-4	Vinyl acetate	1	0.0043	U
75-01-4	Vinyl Chloride	1	0.0043	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	57.4	115	77 - 125	
SURR: Toluene-d8	50.0	49.5	99.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.2	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/13/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1328
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 15, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-27-3.5-4.5	24F1328-01	Soil
2	EB-03-061924	24F1328-02	Water
3	828109-BS-28-5.5-7-061924	24F1328-03	Soil
4	828109-BS-33-8-9-061924	24F1328-04	Soil
5	828109-BS-30-9-10-061924	24F1328-05	Soil
6	828109-BS-34-14-14.5-061924	24F1328-06	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for five soil samples and one aqueous equipment blank sample collected on June 19, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Analysis of Perfluoroalkyl Substances in Environmental Samples by Liquid Chromatography and Tandem Mass Spectrometry (LC-MS/MS).

Specific method references are as follows:

Analysis	*Method References*
PFAS	USEPA Method 1633

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

PFAS

- Data Completeness
- Holding times and sample preservation
- Liquid Chromatography (GC)/Mass Spectroscopy (MS) tuning

- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Perfluorinated Alkyl Substances (PFAS)

Holding Times

- All holding time criteria were met.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent difference (%D) except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
6/27/24 (2000)	FHpPA	30.6%	UJ	1, 3-6
	FPrPA	37.9%		
6/28/24 (1315)	FHpPA	36.6%	UJ	2
	FPrPA	37.1%		
	PFTrDA	40.6%		

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
EB-03-061924	PFBA	0.379	None	ND

Surrogate Spike Recoveries

- Several surrogates recovered outside of QC limits. See summary forms for details.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R) except for the following.

LCS ID	Compound	LCS %R	Qualifier	Affected Samples
BF41792-BS1	PFMPA	37.3%	UJ	1, 3-6
BF41795-BS1	FPrPA	44.9%	None	See CCAL
	PFMPA	17.6%	UJ	2
	PFTrDA	174%	None	See CCAL

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-27-3.5-4.5

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1328	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1328-01	File ID:	QQQ40868.d
Sampled:	06/19/24 08:40	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 21:53
Solids:	82.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41792	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.213	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.241	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.241	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.221	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.241	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.333	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.241	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.241	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.241	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.241	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.241	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.241	U
2355-31-9	N-MeFOSAA	1	0.241	U
2991-50-6	N-EtFOSAA	1	0.241	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.482	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.241	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.241	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.233	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.916	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.926	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.964	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.429	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.482	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.482	✗ UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.482	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.227	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.904	U
13252-13-6	HFPO-DA (Gen-X)	1	0.964	U
763051-92-9	11CL-PF3OUdS	1	0.911	U
756426-58-1	9CL-PF3ONS	1	0.902	U
919005-14-4	ADONA	1	0.911	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.234	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.231	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.21	✗ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.03	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.03	✗ UJ
24448-09-7	N-MeFOSE	1	2.41	U
31506-32-8	N-MeFOSA	1	0.241	U
1691-99-2	N-EtFOSE	1	2.41	U
4151-50-2	N-EtFOSA	1	0.241	U

MA 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-27-3.5-4.5

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1328	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1328-01	File ID:	QQQ40868.d
Sampled:	06/19/24 08:40	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 21:53
Solids:	82.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41792	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.81	2.53	90.1	25 - 150	
M5PFHxA	3.01	2.69	89.2	25 - 150	
M4PFHpA	3.01	2.55	84.8	25 - 150	
M3PFHxS	2.86	2.66	93.1	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.01	2.59	86.0	25 - 150	
M6PFDA	1.51	1.12	74.2	25 - 150	
M7PFUdA	1.51	1.43	94.9	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.51	1.18	78.6	25 - 150	
M2PFTeDA	1.51	0.702	46.6	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.1	11.2	92.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.89	2.75	95.3	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.03	4.98	82.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.01	2.61	86.7	10 - 150	
d3-N-MeFOSAA	6.03	5.63	93.4	25 - 150	
d5-N-EtFOSAA	6.03	6.30	105	25 - 150	
M2-6:2 FTS	5.73	6.74	118	25 - 200	
M2-8:2 FTS	5.79	5.51	95.3	25 - 200	
M9PFNA	1.51	1.24	82.1	25 - 150	
M2-4:2 FTS	5.65	4.54	80.4	25 - 150	
d-N-MeFOSA	3.01	1.16	38.4	25 - 150	
d-N-EtFOSA	3.01	2.07	68.9	25 - 150	
M3HFPO-DA	12.1	12.8	106	25 - 150	
d9-N-EtFOSE	30.1	7.94	26.4	25 - 150	
d7-N-MeFOSE	30.1	9.39	31.2	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	20148.58	1.308083	21953.94	1.335617	
MPFDA	13219.89	8.913183	15810.95	8.93175	
MPFHxA	34010.89	6.2802	45853.14	6.28945	
MPFHxS	4579.819	7.2143	6184.047	7.242067	
MPFNA	21731.21	8.404834	29376.14	8.42335	
MPFOA	44845.94	7.801717	62768.07	7.82955	
MPFOS	11538.65	8.440217	15807.68	8.45875	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4864.01	8.4044	5745.741	8.422934	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	27723.46	7.801333	36850.5	7.829167	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	84209.33	4.643633	102972.9	4.671216	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	94513.67	1.314967	111969.9	1.333317	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	14309.24	9.801084	19770.61	9.81955	

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-27-3.5-4.5

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-01	File ID:	QQQ40868.d
Sampled:	06/19/24 08:40	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 21:53
Solids:	82.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5227.592	8.439584	6015.425	8.458117	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	10875.81	9.305317	13604.62	9.31465	
M7PFUdA-EIS	20887.83	9.366933	24549.96	9.3947	
M6PFDA-EIS	14752.61	8.912817	16922.83	8.931383	
M5PFHxA-EIS	48618.17	6.279317	60885.82	6.288583	
M4PFHpA-EIS	12031.06	7.1051	15121.9	7.132833	
M3PFHxS-EIS	12371.25	7.214783	14712.42	7.24255	
M3PFBS-EIS	17121.85	5.464283	21657.81	5.4735	
M3-HFPO-DA-EIS	39399.02	6.568666	45811.99	6.587183	
M2PFTeDA-EIS	3154.32	10.47892	4611.727	10.51575	
M2-8-2FTS-EIS	42047.86	8.884216	55802.53	8.902783	
M2-6-2FTS-EIS	32942.36	7.7446	33867.09	7.7724	
M2-4-2FTS-EIS	24871.15	6.20345	32432.71	6.222617	
d9-NEtFOSE-EIS	1022.374	10.67418	1599.461	10.7018	
d7-NMeFOSE-EIS	3023.977	10.41855	4646.35	10.43698	
d5-NEtFOSA-EIS	394.9178	10.70487	408.2514	10.73248	
d5-N-EtFOSAA-EIS	21909.86	9.34725	25164.85	9.36575	
d3-NMeFOSA-EIS	467.7493	10.42212	907.3755	10.44053	
d3-N-MeFOSAA-EIS	23311.02	9.115216	28842.8	9.133783	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-03-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1328-02	File ID:	QQQ40916.d
Sampled:	06/19/24 10:00	Prepared:	06/26/24 15:12	Analyzed:	06/28/24 16:13
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	512.66 mL / 5 mL
Batch:	BF41795	Sequence:	S4F2850	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.73	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1.95	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.95	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.78	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	1.95	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.81	U
375-95-1	Perfluorononanoic acid (PFNA)	1	1.95	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.95	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.95	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.95	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.95	✓ UJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.95	U
2355-31-9	N-MeFOSAA	1	1.95	U
2991-50-6	N-EtFOSAA	1	1.95	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	3.90	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.95	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.86	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.88	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	7.41	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.49	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.379	✓ J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.47	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.90	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.90	✓ UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.90	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.83	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	7.31	U
13252-13-6	HFPO-DA (Gen-X)	1	7.80	U
763051-92-9	11CL-PF3OUdS	1	7.37	U
756426-58-1	9CL-PF3ONS	1	7.30	U
919005-14-4	ADONA	1	7.37	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.89	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.87	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.88	✓ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	24.4	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	24.4	✓ UJ
24448-09-7	N-MeFOSE	1	19.5	U
31506-32-8	N-MeFOSA	1	1.95	U
1691-99-2	N-EtFOSE	1	19.5	U
4151-50-2	N-EtFOSA	1	1.95	U

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-03-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1328	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1328-02	File ID:	QQQ40916.d
Sampled:	06/19/24 10:00	Prepared:	06/26/24 15:12	Analyzed:	06/28/24 16:13
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	512.66 mL / 5 mL
Batch:	BF41795	Sequence:	S4F2850	Calibration:	SF40019
				Instrument:	LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	22.7	23.1	102	25 - 150	
M5PFHxA	24.4	24.4	100	25 - 150	
M4PFHpA	24.4	24.6	101	25 - 150	
M3PFHxS	23.1	23.9	103	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	24.4	24.5	101	25 - 150	
M6PFDA	12.2	9.38	76.9	25 - 150	
M7PFUdA	12.2	10.6	86.9	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.2	9.00	73.8	25 - 150	
M2PFTeDA	12.2	6.01	49.3	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.5	4.65	4.77	25 - 150	13
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.4	21.6	92.3	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	48.8	29.8	61.2	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.4	21.7	89.2	10 - 150	
d3-N-MeFOSAA	48.8	44.7	91.6	25 - 150	
d5-N-EtFOSAA	48.8	47.4	97.2	25 - 150	
M2-6:2 FTS	46.4	47.2	102	25 - 200	
M2-8:2 FTS	46.8	42.2	90.1	25 - 200	
M9PFNA	12.2	10.9	89.6	25 - 150	
M2-4:2 FTS	45.7	46.0	101	25 - 150	
d-N-MeFOSA	24.4	16.3	67.0	25 - 150	
d-N-EtFOSA	24.4	11.0	45.1	25 - 150	
M3HFPO-DA	97.5	101	104	25 - 150	
d9-N-EtFOSE	244	65.4	26.8	25 - 150	
d7-N-MeFOSE	244	82.0	33.6	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	19239.4	1.289717	29616.15	1.36315	
MPFDA	15180.78	8.970134	20270.4	8.941033	
MPFHxA	36482.73	6.345016	52686.22	6.3265	
MPFHxS	4668.495	7.298067	6693.869	7.260567	
MPFNA	24478.67	8.460417	32804.88	8.432616	
MPFOA	48938.03	7.87595	68784.98	7.838833	
MPFOS	12258.11	8.495816	16784.5	8.45875	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5979.032	8.46	7031.994	8.4322	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	35413.34	7.88485	42948.87	7.83845	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	66865.32	4.671216	113219.4	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	4649.12	1.287417	122379.9	1.360867	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	15435.65	9.828767	21539.94	9.847234	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-03-061924

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1328-02	File ID:	QQQ40916.d
Sampled:	06/19/24 10:00	Prepared:	06/26/24 15:12	Analyzed:	06/28/24 16:13
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	512.66 mL / 5 mL
Batch:	BF41795	Sequence:	S4F2850	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5384.556	8.495183	6905.658	8.467383	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	11886.46	9.351717	13662.52	9.342466	
M7PFUdA-EIS	21963.78	9.42245	31918.03	9.40395	
M6PFDA-EIS	17564.97	8.9697	20983.64	8.949933	
M5PFHxA-EIS	58597.13	6.344133	69227.3	6.325617	
M4PFHpA-EIS	15359.56	7.188483	18085.67	7.151484	
M3PFHxS-EIS	14060.99	7.298483	16272.58	7.26105	
M3PFBS-EIS	19646.89	5.510383	23046.25	5.529333	
M3-HFPO-DA-EIS	41405.32	6.642817	52884.46	6.61505	
M2PFTeDA-EIS	3833.206	10.49733	5671.49	10.56187	
M2-8-2FTS-EIS	40513.5	8.930634	53348.29	8.912066	
M2-6-2FTS-EIS	29039.99	7.819117	36244.15	7.782	
M2-4-2FTS-EIS	31602.43	6.268883	38433.42	6.259634	
d9-NEtFOSE-EIS	1106.777	10.68338	2057.001	10.76623	
d7-NMeFOSE-EIS	3451.613	10.42777	5462.911	10.49223	
d5-NEtFOSA-EIS	310.1427	10.70487	455.4024	10.79692	
d5-N-EtFOSAA-EIS	21653.21	9.393517	28065.57	9.38425	
d3-NMeFOSA-EIS	946.4682	10.43133	1219.309	10.48658	
d3-N-MeFOSAA-EIS	24296.48	9.161817	27952.34	9.14305	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-28-5.5-7-061924

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-03	File ID:	QQQ40869.d
Sampled:	06/19/24 10:55	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:09
Solids:	80.33	Preparation:	EPA 1633 Prep	Initial/Final:	5.02 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.219	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.248	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.248	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.227	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.248	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.24	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.248	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.248	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.248	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.248	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.248	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.248	U
2355-31-9	N-MeFOSAA	1	0.248	U
2991-50-6	N-EtFOSAA	1	0.248	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.496	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.248	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.248	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.239	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.942	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.952	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.992	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.441	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.496	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.496	~~U~~ UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.496	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.233	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.930	U
13252-13-6	HFPO-DA (Gen-X)	1	0.992	U
763051-92-9	11CL-PF3OUdS	1	0.937	U
756426-58-1	9CL-PF3ONS	1	0.927	U
919005-14-4	ADONA	1	0.937	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.241	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.238	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.24	~~U~~ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.20	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.20	~~U~~ UJ
24448-09-7	N-MeFOSE	1	2.48	~~U~~ UJ
31506-32-8	N-MeFOSA	1	0.248	U
1691-99-2	N-EtFOSE	1	2.48	~~U~~ UJ
4151-50-2	N-EtFOSA	1	0.248	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-28-5.5-7-061924

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1328	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1328-03	File ID:	QQQ40869.d
Sampled:	06/19/24 10:55	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:09
Solids:	80.33	Preparation:	EPA 1633 Prep	Initial/Final:	5.02 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.89	2.35	81.4	25 - 150	
M5PFHxA	3.10	2.62	84.4	25 - 150	
M4PFHpA	3.10	2.45	79.0	25 - 150	
M3PFHxS	2.94	2.28	77.6	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.10	2.70	87.0	25 - 150	
M6PFDA	1.55	1.00	64.7	25 - 150	
M7PFUdA	1.55	1.24	79.9	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.55	0.920	59.3	25 - 150	
M2PFTeDA	1.55	0.378	24.4	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.4	10.4	83.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.97	2.28	76.7	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.20	4.77	76.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.10	1.94	62.6	10 - 150	
d3-N-MeFOSAA	6.20	4.67	75.3	25 - 150	
d5-N-EtFOSAA	6.20	5.27	85.0	25 - 150	
M2-6:2 FTS	5.90	5.26	89.2	25 - 200	
M2-8:2 FTS	5.95	4.76	79.9	25 - 200	
M9PFNA	1.55	1.24	79.9	25 - 150	
M2-4:2 FTS	5.82	3.92	67.4	25 - 150	
d-N-MeFOSA	3.10	0.936	30.2	25 - 150	
d-N-EtFOSA	3.10	1.19	38.4	25 - 150	
M3HFPO-DA	12.4	12.0	97.0	25 - 150	
d9-N-EtFOSE	31.0	3.77	12.2	25 - 150	✗ US
d7-N-MeFOSE	31.0	4.93	15.9	25 - 150	✗ US

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	20411.19	1.308083	21953.94	1.335617	
MPFDA	13232.68	8.9039	15810.95	8.93175	
MPFHxA	33533.2	6.2802	45853.14	6.28945	
MPFHxS	4929.171	7.223567	6184.047	7.242067	
MPFNA	21680.59	8.395567	29376.14	8.42335	
MPFOA	44137.81	7.801717	62768.07	7.82955	
MPFOS	11914.09	8.43095	15807.68	8.45875	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4721.374	8.39515	5745.741	8.422934	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	27615.23	7.801333	36850.5	7.829167	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	77217.78	4.634433	102972.9	4.671216	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	86758.56	1.314967	111969.9	1.333317	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	10814.81	9.7818	19770.61	9.81955	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-28-5.5-7-061924

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-03	File ID:	QQQ40869.d
Sampled:	06/19/24 10:55	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:09
Solids:	80.33	Preparation:	EPA 1633 Prep	Initial/Final:	5.02 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4292.644	8.430333	6015.425	8.458117	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8105.675	9.29605	13604.62	9.31465	
M7PFUdA-EIS	17598.84	9.357683	24549.96	9.3947	
M6PFDA-EIS	12876.6	8.903533	16922.83	8.931383	
M5PFHxA-EIS	45489.84	6.279317	60885.82	6.288583	
M4PFHpA-EIS	11054.7	7.114333	15121.9	7.132833	
M3PFHxS-EIS	11096.76	7.224033	14712.42	7.24255	
M3PFBS-EIS	16624.68	5.464283	21657.81	5.4735	
M3-HFPO-DA-EIS	35519.39	6.577917	45811.99	6.587183	
M2PFTeDA-EIS	1652.641	10.48812	4611.727	10.51575	
M2-8-2FTS-EIS	37913.3	8.86565	55802.53	8.902783	
M2-6-2FTS-EIS	26889.97	7.7446	33867.09	7.7724	
M2-4-2FTS-EIS	22448.74	6.21335	32432.71	6.222617	
d9-NEtFOSE-EIS	487.0492	10.68338	1599.461	10.7018	
d7-NMeFOSE-EIS	1599.821	10.41857	4646.35	10.43698	
d5-NEtFOSA-EIS	257.0814	10.70487	408.2514	10.73248	
d5-N-EtFOSAA-EIS	18392.57	9.338	25164.85	9.36575	
d3-NMeFOSA-EIS	407.5878	10.43133	907.3755	10.44053	
d3-N-MeFOSAA-EIS	19413.98	9.096666	28842.8	9.133783	

* Values outside of QC limits

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-33-8-9-061924

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-04	File ID:	QQQ40870.d
Sampled:	06/19/24 11:45	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:25
Solids:	82.49	Preparation:	EPA 1633 Prep	Initial/Final:	5.03 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.213	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.241	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.241	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.221	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.241	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.224	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.241	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.241	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.241	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.241	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.241	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.241	U
2355-31-9	N-MeFOSAA	1	0.241	U
2991-50-6	N-EtFOSAA	1	0.241	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.482	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.241	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.241	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.233	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.916	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.926	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.964	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.429	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.482	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.482	U US
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.482	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.227	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.904	U
13252-13-6	HFPO-DA (Gen-X)	1	0.964	U
763051-92-9	11CL-PF3OUdS	1	0.911	U
756426-58-1	9CL-PF3ONS	1	0.901	U
919005-14-4	ADONA	1	0.911	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.234	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.231	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.21	U US
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.03	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.03	U US
24448-09-7	N-MeFOSE	1	2.41	U
31506-32-8	N-MeFOSA	1	0.241	U
1691-99-2	N-EtFOSE	1	2.41	U
4151-50-2	N-EtFOSA	1	0.241	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-33-8-9-061924

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1328	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1328-04	File ID:	QQQ40870.d
Sampled:	06/19/24 11:45	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:25
Solids:	82.49	Preparation:	EPA 1633 Prep	Initial/Final:	5.03 g / 5 mL
Batch:	BF41792	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.81	2.43	86.5	25 - 150	
M5PFHxA	3.01	2.63	87.4	25 - 150	
M4PFHpA	3.01	2.51	83.2	25 - 150	
M3PFHxS	2.86	2.59	90.8	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.01	3.17	105	25 - 150	
M6PFDA	1.51	1.21	80.3	25 - 150	
M7PFUdA	1.51	1.38	91.4	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.51	1.13	74.8	25 - 150	
M2PFTeDA	1.51	0.694	46.1	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.1	11.1	92.2	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.89	2.49	86.3	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.03	4.79	79.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.01	2.59	86.1	10 - 150	
d3-N-MeFOSAA	6.03	5.18	86.0	25 - 150	
d5-N-EtFOSAA	6.03	5.80	96.2	25 - 150	
M2-6:2 FTS	5.73	7.08	123	25 - 200	
M2-8:2 FTS	5.78	5.13	88.7	25 - 200	
M9PFNA	1.51	1.38	91.3	25 - 150	
M2-4:2 FTS	5.65	4.33	76.7	25 - 150	
d-N-MeFOSA	3.01	1.39	46.0	25 - 150	
d-N-EtFOSA	3.01	2.03	67.4	25 - 150	
M3HFPO-DA	12.1	13.4	111	25 - 150	
d9-N-EtFOSE	30.1	7.91	26.3	25 - 150	
d7-N-MeFOSE	30.1	10.3	34.0	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	21985.01	1.353983	21953.94	1.335617	
MPFDA	13706.31	8.828733	15810.95	8.93175	
MPFHxA	37163.74	6.2802	45853.14	6.28945	
MPFHxS	5041.961	7.16805	6184.047	7.242067	
MPFNA	23343.12	8.32145	29376.14	8.42335	
MPFOA	47306.66	7.736434	62768.07	7.82955	
MPFOS	12170.94	8.356833	15807.68	8.45875	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5810.095	8.321016	5745.741	8.422934	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	35735.07	7.735967	36850.5	7.829167	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	88403.5	4.6996	102972.9	4.671216	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	102628.2	1.351683	111969.9	1.333317	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	14122.94	9.688666	19770.61	9.81955	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-33-8-9-061924

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-04	File ID:	QQQ40870.d
Sampled:	06/19/24 11:45	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:25
Solids:	82.49	Preparation:	EPA 1633 Prep	Initial/Final:	5.03 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4997.994	8.365467	6015.425	8.458117	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	11394.06	9.21265	13604.62	9.31465	
M7PFUdA-EIS	20870.65	9.282483	24549.96	9.3947	
M6PFDA-EIS	16555.66	8.828366	16922.83	8.931383	
M5PFHxA-EIS	52291.9	6.279317	60885.82	6.288583	
M4PFHpA-EIS	12904.66	7.0681	15121.9	7.132833	
M3PFHxS-EIS	13347.47	7.168533	14712.42	7.24255	
M3PFBS-EIS	18110.88	5.491933	21657.81	5.4735	
M3-HFPO-DA-EIS	44957.31	6.5594	45811.99	6.587183	
M2PFTeDA-EIS	3229.765	10.39603	4611.727	10.51575	
M2-8-2FTS-EIS	43054.89	8.799817	55802.53	8.902783	
M2-6-2FTS-EIS	38084.14	7.6795	33867.09	7.7724	
M2-4-2FTS-EIS	26133.53	6.21335	32432.71	6.222617	
d9-NEtFOSE-EIS	1066.995	10.59133	1599.461	10.7018	
d7-NMeFOSE-EIS	3468.374	10.32647	4646.35	10.43698	
d5-NEtFOSA-EIS	415.4695	10.62203	408.2514	10.73248	
d5-N-EtFOSAA-EIS	21170.58	9.2537	25164.85	9.36575	
d3-NMeFOSA-EIS	639.1614	10.32082	907.3755	10.44053	
d3-N-MeFOSAA-EIS	22651.21	9.022417	28842.8	9.133783	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-30-9-10-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-05	File ID:	QQQ40871.d
Sampled:	06/19/24 13:40	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:41
Solids:	83.83	Preparation:	EPA 1633 Prep	Initial/Final:	5.07 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.208	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.235	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.235	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.215	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.235	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.219	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.235	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.235	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.235	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.235	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.235	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.235	U
2355-31-9	N-MeFOSAA	1	0.235	U
2991-50-6	N-EtFOSAA	1	0.235	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.471	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.235	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.235	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.227	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.894	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.904	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.941	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.419	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.471	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.471	~~J~~ UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.471	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.221	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.882	U
13252-13-6	HFPO-DA (Gen-X)	1	0.941	U
763051-92-9	11CL-PF3OUdS	1	0.889	U
756426-58-1	9CL-PF3ONS	1	0.880	U
919005-14-4	ADONA	1	0.889	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.228	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.226	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.18	~~J~~ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.88	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.88	~~J~~ UJ
24448-09-7	N-MeFOSE	1	2.35	U
31506-32-8	N-MeFOSA	1	0.235	U
1691-99-2	N-EtFOSE	1	2.35	U
4151-50-2	N-EtFOSA	1	0.235	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-30-9-10-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-05	File ID:	QQQ40871.d
Sampled:	06/19/24 13:40	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:41
Solids:	83.83	Preparation:	EPA 1633 Prep	Initial/Final:	5.07 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.74	2.69	98.2	25 - 150	
M5PFHxA	2.94	2.65	90.0	25 - 150	
M4PFHpA	2.94	2.43	82.5	25 - 150	
M3PFHxS	2.79	2.74	98.4	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.94	2.90	98.8	25 - 150	
M6PFDA	1.47	1.21	82.0	25 - 150	
M7PFUdA	1.47	1.40	95.4	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.47	1.11	75.8	25 - 150	
M2PFTeDA	1.47	0.865	58.8	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.8	11.3	95.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.82	2.88	102	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.88	4.67	79.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.94	2.83	96.2	10 - 150	
d3-N-MeFOSAA	5.88	5.87	99.8	25 - 150	
d5-N-EtFOSAA	5.88	6.27	107	25 - 150	
M2-6:2 FTS	5.59	6.93	124	25 - 200	
M2-8:2 FTS	5.65	5.71	101	25 - 200	
M9PFNA	1.47	1.32	89.8	25 - 150	
M2-4:2 FTS	5.52	4.83	87.5	25 - 150	
d-N-MeFOSA	2.94	1.41	48.0	25 - 150	
d-N-EtFOSA	2.94	2.24	76.1	25 - 150	
M3HFPO-DA	11.8	12.2	103	25 - 150	
d9-N-EtFOSE	29.4	11.8	40.2	25 - 150	
d7-N-MeFOSE	29.4	11.7	39.9	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	20773.26	1.335617	21953.94	1.335617	
MPFDA	13746.6	8.866767	15810.95	8.93175	
MPFHxA	36971.66	6.270733	45853.14	6.28945	
MPFHxS	4481.934	7.18655	6184.047	7.242067	
MPFNA	21378.81	8.3585	29376.14	8.42335	
MPFOA	45963.48	7.764417	62768.07	7.82955	
MPFOS	11583.95	8.3939	15807.68	8.45875	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5233.742	8.358084	5745.741	8.422934	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	32643.49	7.764	36850.5	7.829167	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	87970.51	4.652833	102972.9	4.671216	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	100855	1.333317	111969.9	1.333317	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	14338.26	9.7541	19770.61	9.81955	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-30-9-10-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-05	File ID:	QQQ40871.d
Sampled:	06/19/24 13:40	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:41
Solids:	83.83	Preparation:	EPA 1633 Prep	Initial/Final:	5.07 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5409.717	8.393267	6015.425	8.458117	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	12117.25	9.249717	13604.62	9.31465	
M7PFUdA-EIS	21833.38	9.320066	24549.96	9.3947	
M6PFDA-EIS	16964.67	8.8664	16922.83	8.931383	
M5PFHxA-EIS	53478.78	6.269817	60885.82	6.288583	
M4PFHpA-EIS	12714.92	7.0866	15121.9	7.132833	
M3PFHxS-EIS	12789.98	7.196283	14712.42	7.24255	
M3PFBS-EIS	18232.62	5.464283	21657.81	5.4735	
M3-HFPO-DA-EIS	41705.13	6.5594	45811.99	6.587183	
M2PFTeDA-EIS	4140.253	10.44208	4611.727	10.51575	
M2-8-2FTS-EIS	43677.59	8.82765	55802.53	8.902783	
M2-6-2FTS-EIS	33949.67	7.70725	33867.09	7.7724	
M2-4-2FTS-EIS	26417.78	6.20345	32432.71	6.222617	
d9-NEtFOSE-EIS	1568.016	10.63737	1599.461	10.7018	
d7-NMeFOSE-EIS	3860.521	10.37252	4646.35	10.43698	
d5-NEtFOSA-EIS	422.0719	10.65885	408.2514	10.73248	
d5-N-EtFOSAA-EIS	22417.91	9.290767	25164.85	9.36575	
d3-NMeFOSA-EIS	624.946	10.36687	907.3755	10.44053	
d3-N-MeFOSAA-EIS	24965.86	9.05965	28842.8	9.133783	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-34-14-14.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-06	File ID:	QQQ40872.d
Sampled:	06/19/24 14:30	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:57
Solids:	85.97	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.204	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.231	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.231	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.211	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.231	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.215	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.231	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.231	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.231	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.231	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.231	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.231	U
2355-31-9	N-MeFOSAA	1	0.231	U
2991-50-6	N-EtFOSAA	1	0.231	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.462	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.231	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.231	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.223	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.877	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.886	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.923	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.411	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.462	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.462	✓ UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.462	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.217	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.865	U
13252-13-6	HFPO-DA (Gen-X)	1	0.923	U
763051-92-9	11CL-PF3OUdS	1	0.872	U
756426-58-1	9CL-PF3ONS	1	0.863	U
919005-14-4	ADONA	1	0.872	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.224	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.222	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.15	✗ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.77	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.77	✓ UJ
24448-09-7	N-MeFOSE	1	2.31	✗ UJ
31506-32-8	N-MeFOSA	1	0.231	U
1691-99-2	N-EtFOSE	1	2.31	✗ UJ
4151-50-2	N-EtFOSA	1	0.231	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-34-14-14.5-061924

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1328	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1328-06	File ID:	QQQ40872.d
Sampled:	06/19/24 14:30	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:57
Solids:	85.97	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41792	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.69	2.35	87.4	25 - 150	
M5PFHxA	2.88	2.51	87.1	25 - 150	
M4PFHpA	2.88	2.18	75.7	25 - 150	
M3PFHxS	2.73	2.07	75.5	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.88	2.62	90.7	25 - 150	
M6PFDA	1.44	0.845	58.6	25 - 150	
M7PFUdA	1.44	1.11	76.8	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.44	0.701	48.6	25 - 150	
M2PFTeDA	1.44	0.553	38.4	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.5	11.0	95.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.76	1.57	56.7	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.77	4.68	81.1	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.88	1.73	60.1	10 - 150	
d3-N-MeFOSAA	5.77	2.88	49.8	25 - 150	
d5-N-EtFOSAA	5.77	3.09	53.6	25 - 150	
M2-6:2 FTS	5.49	3.71	67.5	25 - 200	
M2-8:2 FTS	5.54	2.84	51.3	25 - 200	
M9PFNA	1.44	1.03	71.3	25 - 150	
M2-4:2 FTS	5.41	4.01	74.1	25 - 150	
d-N-MeFOSA	2.88	0.840	29.1	25 - 150	
d-N-EtFOSA	2.88	1.55	53.9	25 - 150	
M3HFPO-DA	11.5	12.1	105	25 - 150	
d9-N-EtFOSE	28.8	5.18	17.9	25 - 150	✓ U
d7-N-MeFOSE	28.8	5.30	18.4	25 - 150	✓ U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	21229.09	1.3907	21953.94	1.335617	
MPFDA	11715.38	8.772933	15810.95	8.93175	
MPFHxA	36651.49	6.261483	45853.14	6.28945	
MPFHxS	4993.832	7.112367	6184.047	7.242067	
MPFNA	21179.11	8.265384	29376.14	8.42335	
MPFOA	40283.09	7.671667	62768.07	7.82955	
MPFOS	11572.35	8.30125	15807.68	8.45875	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4114.594	8.264983	5745.741	8.422934	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	26279.71	7.68045	36850.5	7.829167	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	89045.03	4.75555	102972.9	4.671216	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	102586	1.3884	111969.9	1.333317	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	7842.385	9.614683	19770.61	9.81955	

NAT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-34-14-14.5-061924

6

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1328
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1328-06	File ID:	QQQ40872.d
Sampled:	06/19/24 14:30	Prepared:	06/26/24 14:47	Analyzed:	06/27/24 22:57
Solids:	85.97	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF41792	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	3125.32	8.300616	6015.425	8.458117	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	7564.8	9.14765	13604.62	9.31465	
M7PFUdA-EIS	14983.51	9.20835	24549.96	9.3947	
M6PFDA-EIS	10318.43	8.772533	16922.83	8.931383	
M5PFHxA-EIS	51260.59	6.2513	60885.82	6.288583	
M4PFHpA-EIS	11569.31	7.012633	15121.9	7.132833	
M3PFHxS-EIS	10967.01	7.11285	14712.42	7.24255	
M3PFBS-EIS	17940.53	5.501167	21657.81	5.4735	
M3-HFPO-DA-EIS	41873.43	6.522367	45811.99	6.587183	
M2PFTeDA-EIS	2299.982	10.28552	4611.727	10.51575	
M2-8-2FTS-EIS	24526.84	8.743934	55802.53	8.902783	
M2-6-2FTS-EIS	20630.66	7.6219	33867.09	7.7724	
M2-4-2FTS-EIS	24925.53	6.1942	32432.71	6.222617	
d9-NEtFOSE-EIS	692.6499	10.47278	1599.461	10.7018	
d7-NMeFOSE-EIS	1747.476	10.21595	4646.35	10.43698	
d5-NEtFOSA-EIS	352.0955	10.50298	408.2514	10.73248	
d5-N-EtFOSAA-EIS	11266.13	9.188833	25164.85	9.36575	
d3-NMeFOSA-EIS	381.3437	10.2195	907.3755	10.44053	
d3-N-MeFOSAA-EIS	12475.46	8.96685	28842.8	9.133783	

* Values outside of QC limits

MT 8/15/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1332
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 14, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-20-0-0.5-061724	24F1332-01	Soil
2	828109-BS-20-2-3-061724	24F1332-02	Soil
3	828109-BS-20-6-6.5-061724	24F1332-03	Soil
4	EB-01-061724	24F1332-04	Water
5	TRIP BLANK-061724	24F1332-05	Water
6	828109-BS-21-2-3-061724	24F1332-06	Soil
7	828109-BS-21-6-6.5-061724	24F1332-07	Soil
8	828109-BS-21-8.5-9-061724	24F1332-08	Soil
9	828109-BS-22-1-2-061724	24F1332-09	Soil
10	828109-BS-900-1-2-061724	24F1332-10	Soil
11	828109-BS-22-4-6-061724	24F1332-11	Soil
11MS	828109-BS-22-4-6-061724MS	24F1332-11MS	Soil
11MSD	828109-BS-22-4-6-061724MSD	24F1332-11MSD	Soil
12	828109-BS-22-8-9-061724	24F1332-12	Soil
13	828109-BS-22-13-14-061724	24F1332-13	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for eleven soil samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on June 17, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C/D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
6/24/24 (1041)	1,4-Dioxane	41.4%	UJ	4, 5
	Bromomethane	69.9%		
	Chloromethane	48.3%		
	Dichlorodifluoromethane	61.5%		
	Tert-butyl alcohol	48.1%		
	Vinyl Chloride	30.8%		
6/24/24 (1651)	Bromomethane	39.7%	UJ	1-3, 6-13
	Trichlorofluoromethane	42.0%		
	Vinyl Chloride	34.8%		

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of acetone, 2-butanone and methylene chloride (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRIP BLANK-061724	Acetone	2.85	U	3, 6, 9, 10, 13
EB-01-061724	Bromodichloromethane	0.730	None	All ND
	Chloroform	10.1		

Surrogate Spike Recoveries

- The samples exhibited acceptable surrogate percent recoveries (%R) except for the following.

Sample	Compound	%R	Qualifier
12	p-Bromofluorobenzene	160%	J- Positive Results
13	p-Bromofluorobenzene	136%	J- Positive Results

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
BF41560-BS1	Cyclohexane	54.5%	UJ	4, 5
	Dichlorodifluoromethane	162%	None	ND
BF41580-BS1	Tetrachloroethylene	76.9%	J/UJ	1, 2, 6-13
	Vinyl Chloride	136%	None	ND
BF41650-BS2	Tetrachloroethylene	54.7%	J	3DL

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- EDS sample 3 was analyzed at a 100X dilution for trichloroethene.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples are summarized below. The precision is acceptable.

Compound	828109-BS-22-1-2-061724 mg/kg	828109-BS-900-1-2-061724 mg/kg	RPD	Qualifier
2-Butanone	0.0027	ND	NC	None

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-0-0.5-061724

1

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-01	File ID:	V5440303.D
Sampled:	06/17/24 12:45	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 18:37
Solids:	89.89	Preparation:	EPA 5035A	Initial/Final:	5.32 g / 5 ml
Batch:	BF41580	Sequence: S4F2511	Calibration:	SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0052	U
71-55-6	1,1,1-Trichloroethane	1	0.0052	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0052	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0052	U
79-00-5	1,1,2-Trichloroethane	1	0.0052	U
75-34-3	1,1-Dichloroethane	1	0.0052	U
75-35-4	1,1-Dichloroethylene	1	0.0052	U
563-58-6	1,1-Dichloropropylene	1	0.0052	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0052	U
96-18-4	1,2,3-Trichloropropane	1	0.0052	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0052	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0052	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0052	U
106-93-4	1,2-Dibromoethane	1	0.0052	U
95-50-1	1,2-Dichlorobenzene	1	0.0052	U
107-06-2	1,2-Dichloroethane	1	0.0052	U
78-87-5	1,2-Dichloropropane	1	0.0052	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0052	U
541-73-1	1,3-Dichlorobenzene	1	0.0052	U
142-28-9	1,3-Dichloropropane	1	0.0052	U
106-46-7	1,4-Dichlorobenzene	1	0.0052	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0052	U
78-93-3	2-Butanone	1	0.0052	U
95-49-8	2-Chlorotoluene	1	0.0052	U
591-78-6	2-Hexanone	1	0.0052	U
106-43-4	4-Chlorotoluene	1	0.0052	U
108-10-1	4-Methyl-2-pentanone	1	0.0052	U
67-64-1	Acetone	1	0.010	U
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0052	U
71-43-2	Benzene	1	0.0052	U
108-86-1	Bromobenzene	1	0.0052	U
74-97-5	Bromochloromethane	1	0.0052	U
75-27-4	Bromodichloromethane	1	0.0052	U
75-25-2	Bromoform	1	0.0052	U
74-83-9	Bromomethane	1	0.0052	~~U~~ UJ
75-15-0	Carbon disulfide	1	0.0052	U
56-23-5	Carbon tetrachloride	1	0.0052	U
108-90-7	Chlorobenzene	1	0.0052	U

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-0-0.5-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-01	File ID:	V5440303.D
Sampled:	06/17/24 12:45	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 18:37
Solids:	89.89	Preparation:	EPA 5035A	Initial/Final:	5.32 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0052	U
67-66-3	Chloroform	1	0.0052	U
74-87-3	Chloromethane	1	0.0052	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0052	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0052	U
110-82-7	Cyclohexane	1	0.0052	U
124-48-1	Dibromochloromethane	1	0.0052	U
74-95-3	Dibromomethane	1	0.0052	U
75-71-8	Dichlorodifluoromethane	1	0.0052	U
100-41-4	Ethyl Benzene	1	0.0052	U
87-68-3	Hexachlorobutadiene	1	0.0052	U
98-82-8	Isopropylbenzene	1	0.0052	U
79-20-9	Methyl acetate	1	0.0052	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0052	U
108-87-2	Methylcyclohexane	1	0.0052	U
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.0052	U
103-65-1	n-Propylbenzene	1	0.0052	U
95-47-6	o-Xylene	1	0.0052	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0052	U
135-98-8	sec-Butylbenzene	1	0.0052	U
100-42-5	Styrene	1	0.0052	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0052	U
98-06-6	tert-Butylbenzene	1	0.0052	U
127-18-4	Tetrachloroethylene	1	0.28	J
108-88-3	Toluene	1	0.0052	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0052	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0052	U
79-01-6	Trichloroethylene	1	0.0052	U
75-69-4	Trichlorofluoromethane	1	0.0052	~~U~~ UJ
108-05-4	Vinyl acetate	1	0.0052	U
75-01-4	Vinyl Chloride	1	0.0052	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.016	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.1	96.2	77 - 125	
SURR: Toluene-d8	50.0	48.6	97.3	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.9	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-2-3-061724

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-02	File ID:	V5440304.D
Sampled:	06/17/24 12:50	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 19:03
Solids:	83.04	Preparation:	EPA 5035A	Initial/Final:	6.53 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0092	U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	✗ US
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

MS 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-2-3-061724

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-02	File ID:	V5440304.D
Sampled:	06/17/24 12:50	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 19:03
Solids:	83.04	Preparation:	EPA 5035A	Initial/Final:	6.53 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.18	J
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	~~U~~ UJ
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.6	97.2	77 - 125	
SURR: Toluene-d8	50.0	48.9	97.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.0	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-6-6.5-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-03	File ID:	V5440305.D
Sampled:	06/17/24 12:55	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 19:29
Solids:	84.44	Preparation:	EPA 5035A	Initial/Final:	6.37 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.093	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0056	✗ U
107-02-8	Acrolein	1	0.0093	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	✗ US
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-6-6.5-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-03	File ID:	V5440305.D
Sampled:	06/17/24 12:55	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 19:29
Solids:	84.44	Preparation:	EPA 5035A	Initial/Final:	6.37 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0093	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0093	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0045	J
75-69-4	Trichlorofluoromethane	1	0.0046	~~U~~ UJ
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.6	101	77 - 125	
SURR: Toluene-d8	50.0	48.8	97.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.6	101	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	270436	6.138	236883	6.138	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-20-6-6.5-061724

3DL

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-03RE1	File ID:	V2629859.D
Sampled:	06/17/24 12:55	Prepared:	06/25/24 09:00	Analyzed:	06/25/24 13:10
Solids:	84.44	Preparation:	EPA 5035A	Initial/Final:	6.36 g / 5 ml
Batch:	BF41650	Sequence: S4F2539	Calibration:	SF40003	Instrument: MS VOA 2

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
127-18-4	Tetrachloroethylene	100	3.2	~~D~~ J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.6	101	77 - 125	~~D~~
SURR: Toluene-d8	50.0	52.5	105	85 - 120	~~D~~
SURR: p-Bromofluorobenzene	50.0	55.4	111	76 - 130	~~D~~

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	75228	5.903	74790	5.897	
ISTD: Chlorobenzene-d5	248479	8.958	241652	8.952	
ISTD: 1,2-Dichlorobenzene-d4	104565	11.963	114962	11.963	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-01-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1332-04	File ID:	QV933227.D
Sampled:	06/17/24 14:30	Prepared:	06/24/24 10:10	Analyzed:	06/24/24 13:51
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41560	Sequence:	S4F2421	Calibration:	SF40028 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U UJ
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.00	U
107-02-8	Acrolein	1	0.500	U
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.730	
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	U UJ
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	10.1	
74-87-3	Chloromethane	1	0.500	U UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-01-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1332-04	File ID:	QV933227.D
Sampled:	06/17/24 14:30	Prepared:	06/24/24 10:10	Analyzed:	06/24/24 13:51
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41560	Sequence: S4F2421	Calibration:	SF40028	Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	U
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	U
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
SURR: Toluene-d8	10.0	9.21	92.1	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.73	97.3	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	126309	5.949	130058	5.951	
ISTD: Chlorobenzene-d5	643755	8.997	659881	8.997	
ISTD: 1,2-Dichlorobenzene-d4	192117	11.984	208876	11.984	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIP BLANK-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1332-05	File ID:	QV933226.D
Sampled:	06/17/24 16:15	Prepared:	06/24/24 10:10	Analyzed:	06/24/24 13:20
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41560	Sequence:	S4F2421	Calibration:	SF40028
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	✗ UJ
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.85	
107-02-8	Acrolein	1	0.500	U
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.500	U
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	✗ UJ
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	0.500	U
74-87-3	Chloromethane	1	0.500	✗ UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIP BLANK-061724

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1332-05	File ID:	QV933226.D
Sampled:	06/17/24 16:15	Prepared:	06/24/24 10:10	Analyzed:	06/24/24 13:20
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41560	Sequence:	S4F2421	Calibration:	SF40028 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	✓ VS
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	✓ VS
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	✓ VS
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.76	97.6	69 - 130	
SURR: Toluene-d8	10.0	9.31	93.1	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.52	95.2	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	130434	5.949	130058	5.951	
ISTD: Chlorobenzene-d5	665724	8.997	659881	8.997	
ISTD: 1,2-Dichlorobenzene-d4	197011	11.984	208876	11.984	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-21-2-3-061724

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-06	File ID:	V5440306.D
Sampled:	06/17/24 13:30	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 19:56
Solids:	84.88	Preparation:	EPA 5035A	Initial/Final:	6.68 g / 5 ml
Batch:	BF41580	Sequence: S4F2511		Calibration: SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0044	U
71-55-6	1,1,1-Trichloroethane	1	0.0044	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0044	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0044	U
79-00-5	1,1,2-Trichloroethane	1	0.0044	U
75-34-3	1,1-Dichloroethane	1	0.0044	U
75-35-4	1,1-Dichloroethylene	1	0.0044	U
563-58-6	1,1-Dichloropropylene	1	0.0044	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0044	U
96-18-4	1,2,3-Trichloropropane	1	0.0044	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0044	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0044	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0044	U
106-93-4	1,2-Dibromoethane	1	0.0044	U
95-50-1	1,2-Dichlorobenzene	1	0.0044	U
107-06-2	1,2-Dichloroethane	1	0.0044	U
78-87-5	1,2-Dichloropropane	1	0.0044	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0044	U
541-73-1	1,3-Dichlorobenzene	1	0.0044	U
142-28-9	1,3-Dichloropropane	1	0.0044	U
106-46-7	1,4-Dichlorobenzene	1	0.0044	U
123-91-1	1,4-Dioxane	1	0.088	U
594-20-7	2,2-Dichloropropane	1	0.0044	U
78-93-3	2-Butanone	1	0.0044	U
95-49-8	2-Chlorotoluene	1	0.0044	U
591-78-6	2-Hexanone	1	0.0044	U
106-43-4	4-Chlorotoluene	1	0.0044	U
108-10-1	4-Methyl-2-pentanone	1	0.0044	U
67-64-1	Acetone	1	0.012	U
107-02-8	Acrolein	1	0.0088	U
107-13-1	Acrylonitrile	1	0.0044	U
71-43-2	Benzene	1	0.0044	U
108-86-1	Bromobenzene	1	0.0044	U
74-97-5	Bromochloromethane	1	0.0044	U
75-27-4	Bromodichloromethane	1	0.0044	U
75-25-2	Bromoform	1	0.0044	U
74-83-9	Bromomethane	1	0.0044	U/UJ
75-15-0	Carbon disulfide	1	0.0044	U
56-23-5	Carbon tetrachloride	1	0.0044	U
108-90-7	Chlorobenzene	1	0.0044	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-21-2-3-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-06	File ID:	V5440306.D
Sampled:	06/17/24 13:30	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 19:56
Solids:	84.88	Preparation:	EPA 5035A	Initial/Final:	6.68 g / 5 ml
Batch:	BF41580	Sequence: S4F2511		Calibration: SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0044	U
67-66-3	Chloroform	1	0.0044	U
74-87-3	Chloromethane	1	0.0044	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0044	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0044	U
110-82-7	Cyclohexane	1	0.0044	U
124-48-1	Dibromochloromethane	1	0.0044	U
74-95-3	Dibromomethane	1	0.0044	U
75-71-8	Dichlorodifluoromethane	1	0.0044	U
100-41-4	Ethyl Benzene	1	0.0044	U
87-68-3	Hexachlorobutadiene	1	0.0044	U
98-82-8	Isopropylbenzene	1	0.0044	U
79-20-9	Methyl acetate	1	0.0044	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0044	U
108-87-2	Methylcyclohexane	1	0.0044	U
75-09-2	Methylene chloride	1	0.0088	U
104-51-8	n-Butylbenzene	1	0.0044	U
103-65-1	n-Propylbenzene	1	0.0044	U
95-47-6	o-Xylene	1	0.0044	U
179601-23-1	p- & m- Xylenes	1	0.0088	U
99-87-6	p-Isopropyltoluene	1	0.0044	U
135-98-8	sec-Butylbenzene	1	0.0044	U
100-42-5	Styrene	1	0.0044	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0044	U
98-06-6	tert-Butylbenzene	1	0.0044	U
127-18-4	Tetrachloroethylene	1	0.0044	U VS
108-88-3	Toluene	1	0.0044	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0044	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0044	U
79-01-6	Trichloroethylene	1	0.0044	U
75-69-4	Trichlorofluoromethane	1	0.0044	U VS
108-05-4	Vinyl acetate	1	0.0044	U
75-01-4	Vinyl Chloride	1	0.0044	U VS
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.3	98.7	77 - 125	
SURR: Toluene-d8	50.0	48.6	97.3	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.1	100	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

8/14/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-21-6-6.5-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-07	File ID:	V5440307.D
Sampled:	06/17/24 13:40	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 20:22
Solids:	76.60	Preparation:	EPA 5035A	Initial/Final:	5.89 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022	Instrument:	VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0055	U
71-55-6	1,1,1-Trichloroethane	1	0.0055	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0055	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0055	U
79-00-5	1,1,2-Trichloroethane	1	0.0055	U
75-34-3	1,1-Dichloroethane	1	0.0055	U
75-35-4	1,1-Dichloroethylene	1	0.0055	U
563-58-6	1,1-Dichloropropylene	1	0.0055	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0055	U
96-18-4	1,2,3-Trichloropropane	1	0.0055	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0055	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0055	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0055	U
106-93-4	1,2-Dibromoethane	1	0.0055	U
95-50-1	1,2-Dichlorobenzene	1	0.0055	U
107-06-2	1,2-Dichloroethane	1	0.0055	U
78-87-5	1,2-Dichloropropane	1	0.0055	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0055	U
541-73-1	1,3-Dichlorobenzene	1	0.0055	U
142-28-9	1,3-Dichloropropane	1	0.0055	U
106-46-7	1,4-Dichlorobenzene	1	0.0055	U
123-91-1	1,4-Dioxane	1	0.11	U
594-20-7	2,2-Dichloropropane	1	0.0055	U
78-93-3	2-Butanone	1	0.014	
95-49-8	2-Chlorotoluene	1	0.0055	U
591-78-6	2-Hexanone	1	0.0055	U
106-43-4	4-Chlorotoluene	1	0.0055	U
108-10-1	4-Methyl-2-pentanone	1	0.0055	U
67-64-1	Acetone	1	0.061	
107-02-8	Acrolein	1	0.011	U
107-13-1	Acrylonitrile	1	0.0055	U
71-43-2	Benzene	1	0.0055	U
108-86-1	Bromobenzene	1	0.0055	U
74-97-5	Bromochloromethane	1	0.0055	U
75-27-4	Bromodichloromethane	1	0.0055	U
75-25-2	Bromoform	1	0.0055	U
74-83-9	Bromomethane	1	0.0055	U V5
75-15-0	Carbon disulfide	1	0.0055	U
56-23-5	Carbon tetrachloride	1	0.0055	U
108-90-7	Chlorobenzene	1	0.0055	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-21-6-6.5-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-07	File ID:	V5440307.D
Sampled:	06/17/24 13:40	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 20:22
Solids:	76.60	Preparation:	EPA 5035A	Initial/Final:	5.89 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0055	U
67-66-3	Chloroform	1	0.0055	U
74-87-3	Chloromethane	1	0.0055	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0055	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0055	U
110-82-7	Cyclohexane	1	0.0055	U
124-48-1	Dibromochloromethane	1	0.0055	U
74-95-3	Dibromomethane	1	0.0055	U
75-71-8	Dichlorodifluoromethane	1	0.0055	U
100-41-4	Ethyl Benzene	1	0.0055	U
87-68-3	Hexachlorobutadiene	1	0.0055	U
98-82-8	Isopropylbenzene	1	0.0055	U
79-20-9	Methyl acetate	1	0.0055	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0055	U
108-87-2	Methylcyclohexane	1	0.0055	U
75-09-2	Methylene chloride	1	0.011	U
104-51-8	n-Butylbenzene	1	0.0055	U
103-65-1	n-Propylbenzene	1	0.0055	U
95-47-6	o-Xylene	1	0.0055	U
179601-23-1	p- & m- Xylenes	1	0.011	U
99-87-6	p-Isopropyltoluene	1	0.0055	U
135-98-8	sec-Butylbenzene	1	0.0055	U
100-42-5	Styrene	1	0.0055	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0055	U
98-06-6	tert-Butylbenzene	1	0.0055	U
127-18-4	Tetrachloroethylene	1	0.0055	~~U~~ UJ
108-88-3	Toluene	1	0.0055	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0055	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0055	U
79-01-6	Trichloroethylene	1	0.0055	U
75-69-4	Trichlorofluoromethane	1	0.0055	~~U~~ UJ
108-05-4	Vinyl acetate	1	0.0055	U
75-01-4	Vinyl Chloride	1	0.0055	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.017	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.8	99.6	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.1	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-21-8.5-9-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-08	File ID:	V5440308.D
Sampled:	06/17/24 13:50	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 20:48
Solids:	77.07	Preparation:	EPA 5035A	Initial/Final:	5.4 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0060	U
71-55-6	1,1,1-Trichloroethane	1	0.0060	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0060	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0060	U
79-00-5	1,1,2-Trichloroethane	1	0.0060	U
75-34-3	1,1-Dichloroethane	1	0.0060	U
75-35-4	1,1-Dichloroethylene	1	0.0060	U
563-58-6	1,1-Dichloropropylene	1	0.0060	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0060	U
96-18-4	1,2,3-Trichloropropane	1	0.0060	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0060	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0060	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0060	U
106-93-4	1,2-Dibromoethane	1	0.0060	U
95-50-1	1,2-Dichlorobenzene	1	0.0060	U
107-06-2	1,2-Dichloroethane	1	0.0060	U
78-87-5	1,2-Dichloropropane	1	0.0060	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0060	U
541-73-1	1,3-Dichlorobenzene	1	0.0060	U
142-28-9	1,3-Dichloropropane	1	0.0060	U
106-46-7	1,4-Dichlorobenzene	1	0.0060	U
123-91-1	1,4-Dioxane	1	0.12	U
594-20-7	2,2-Dichloropropane	1	0.0060	U
78-93-3	2-Butanone	1	0.028	
95-49-8	2-Chlorotoluene	1	0.0060	U
591-78-6	2-Hexanone	1	0.0060	U
106-43-4	4-Chlorotoluene	1	0.0060	U
108-10-1	4-Methyl-2-pentanone	1	0.0060	U
67-64-1	Acetone	1	0.11	
107-02-8	Acrolein	1	0.012	U
107-13-1	Acrylonitrile	1	0.0060	U
71-43-2	Benzene	1	0.0060	U
108-86-1	Bromobenzene	1	0.0060	U
74-97-5	Bromochloromethane	1	0.0060	U
75-27-4	Bromodichloromethane	1	0.0060	U
75-25-2	Bromoform	1	0.0060	U
74-83-9	Bromomethane	1	0.0060	✗ U5
75-15-0	Carbon disulfide	1	0.0060	U
56-23-5	Carbon tetrachloride	1	0.0060	U
108-90-7	Chlorobenzene	1	0.0060	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-21-8.5-9-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-08	File ID:	V5440308.D
Sampled:	06/17/24 13:50	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 20:48
Solids:	77.07	Preparation:	EPA 5035A	Initial/Final:	5.4 g / 5 ml
Batch:	BF41580	Sequence: S4F2511		Calibration: SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0060	U
67-66-3	Chloroform	1	0.0060	U
74-87-3	Chloromethane	1	0.0060	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0060	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0060	U
110-82-7	Cyclohexane	1	0.0060	U
124-48-1	Dibromochloromethane	1	0.0060	U
74-95-3	Dibromomethane	1	0.0060	U
75-71-8	Dichlorodifluoromethane	1	0.0060	U
100-41-4	Ethyl Benzene	1	0.0060	U
87-68-3	Hexachlorobutadiene	1	0.0060	U
98-82-8	Isopropylbenzene	1	0.0060	U
79-20-9	Methyl acetate	1	0.0060	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0060	U
108-87-2	Methylcyclohexane	1	0.0060	U
75-09-2	Methylene chloride	1	0.012	U
104-51-8	n-Butylbenzene	1	0.0060	U
103-65-1	n-Propylbenzene	1	0.0060	U
95-47-6	o-Xylene	1	0.0060	U
179601-23-1	p- & m- Xylenes	1	0.012	U
99-87-6	p-Isopropyltoluene	1	0.0060	U
135-98-8	sec-Butylbenzene	1	0.0060	U
100-42-5	Styrene	1	0.0060	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0060	U
98-06-6	tert-Butylbenzene	1	0.0060	U
127-18-4	Tetrachloroethylene	1	0.0060	~~U~~ UJ
108-88-3	Toluene	1	0.0060	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0060	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0060	U
79-01-6	Trichloroethylene	1	0.0060	U
75-69-4	Trichlorofluoromethane	1	0.0060	~~U~~ UJ
108-05-4	Vinyl acetate	1	0.0060	U
75-01-4	Vinyl Chloride	1	0.0060	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.018	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.6	101	77 - 125	
SURR: Toluene-d8	50.0	48.5	97.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.6	101	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MR 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-1-2-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-09	File ID:	V5440309.D
Sampled:	06/17/24 14:20	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 22:10
Solids:	88.37	Preparation:	EPA 5035A	Initial/Final:	6.89 g / 5 ml
Batch:	BF41580	Sequence: S4F2511		Calibration: SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0041	U
71-55-6	1,1,1-Trichloroethane	1	0.0041	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0041	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0041	U
79-00-5	1,1,2-Trichloroethane	1	0.0041	U
75-34-3	1,1-Dichloroethane	1	0.0041	U
75-35-4	1,1-Dichloroethylene	1	0.0041	U
563-58-6	1,1-Dichloropropylene	1	0.0041	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0041	U
96-18-4	1,2,3-Trichloropropane	1	0.0041	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0041	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0041	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0041	U
106-93-4	1,2-Dibromoethane	1	0.0041	U
95-50-1	1,2-Dichlorobenzene	1	0.0041	U
107-06-2	1,2-Dichloroethane	1	0.0041	U
78-87-5	1,2-Dichloropropane	1	0.0041	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0041	U
541-73-1	1,3-Dichlorobenzene	1	0.0041	U
142-28-9	1,3-Dichloropropane	1	0.0041	U
106-46-7	1,4-Dichlorobenzene	1	0.0041	U
123-91-1	1,4-Dioxane	1	0.082	U
594-20-7	2,2-Dichloropropane	1	0.0041	U
78-93-3	2-Butanone	1	0.0027	J
95-49-8	2-Chlorotoluene	1	0.0041	U
591-78-6	2-Hexanone	1	0.0041	U
106-43-4	4-Chlorotoluene	1	0.0041	U
108-10-1	4-Methyl-2-pentanone	1	0.0041	U
67-64-1	Acetone	1	0.014	U
107-02-8	Acrolein	1	0.0082	U
107-13-1	Acrylonitrile	1	0.0041	U
71-43-2	Benzene	1	0.0041	U
108-86-1	Bromobenzene	1	0.0041	U
74-97-5	Bromochloromethane	1	0.0041	U
75-27-4	Bromodichloromethane	1	0.0041	U
75-25-2	Bromoform	1	0.0041	U
74-83-9	Bromomethane	1	0.0041	U
75-15-0	Carbon disulfide	1	0.0041	U
56-23-5	Carbon tetrachloride	1	0.0041	U
108-90-7	Chlorobenzene	1	0.0041	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-1-2-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-09	File ID:	V5440309.D
Sampled:	06/17/24 14:20	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 22:10
Solids:	88.37	Preparation:	EPA 5035A	Initial/Final:	6.89 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0041	U
67-66-3	Chloroform	1	0.0041	U
74-87-3	Chloromethane	1	0.0041	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0041	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0041	U
110-82-7	Cyclohexane	1	0.0041	U
124-48-1	Dibromochloromethane	1	0.0041	U
74-95-3	Dibromomethane	1	0.0041	U
75-71-8	Dichlorodifluoromethane	1	0.0041	U
100-41-4	Ethyl Benzene	1	0.0041	U
87-68-3	Hexachlorobutadiene	1	0.0041	U
98-82-8	Isopropylbenzene	1	0.0041	U
79-20-9	Methyl acetate	1	0.0041	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0041	U
108-87-2	Methylcyclohexane	1	0.0041	U
75-09-2	Methylene chloride	1	0.0082	U
104-51-8	n-Butylbenzene	1	0.0041	U
103-65-1	n-Propylbenzene	1	0.0041	U
95-47-6	o-Xylene	1	0.0041	U
179601-23-1	p- & m- Xylenes	1	0.0082	U
99-87-6	p-Isopropyltoluene	1	0.0041	U
135-98-8	sec-Butylbenzene	1	0.0041	U
100-42-5	Styrene	1	0.0041	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0041	U
98-06-6	tert-Butylbenzene	1	0.0041	U
127-18-4	Tetrachloroethylene	1	0.0041	~~U~~ UJ
108-88-3	Toluene	1	0.0041	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0041	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0041	U
79-01-6	Trichloroethylene	1	0.0041	U
75-69-4	Trichlorofluoromethane	1	0.0041	~~U~~ UJ
108-05-4	Vinyl acetate	1	0.0041	U
75-01-4	Vinyl Chloride	1	0.0041	~~U~~ UJ
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.7	105	77 - 125	
SURR: Toluene-d8	50.0	47.8	95.7	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.1	98.2	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/14/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-900-1-2-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-10	File ID:	V5440310.D
Sampled:	06/17/24 14:25	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 22:36
Solids:	88.19	Preparation:	EPA 5035A	Initial/Final:	6.28 g / 5 ml
Batch:	BF41580	Sequence: S4F2511	Calibration:	SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.090	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0045	U
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.0084	✓ U
107-02-8	Acrolein	1	0.0090	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	✓ US
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-900-1-2-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-10	File ID:	V5440310.D
Sampled:	06/17/24 14:25	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 22:36
Solids:	88.19	Preparation:	EPA 5035A	Initial/Final:	6.28 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0090	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.0045	U
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0090	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.0045	U
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	✓ U5
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	✓ U5
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	✓ U5
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.0	104	77 - 125	
SURR: Toluene-d8	50.0	47.9	95.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.7	99.5	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-4-6-061724

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-11	File ID:	V5440311.D
Sampled:	06/17/24 14:30	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 23:02
Solids:	90.82	Preparation:	EPA 5035A	Initial/Final:	5.88 g / 5 ml
Batch:	BF41580	Sequence: S4F2511		Calibration: SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0047	U
71-55-6	1,1,1-Trichloroethane	1	0.0047	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0047	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0047	U
79-00-5	1,1,2-Trichloroethane	1	0.0047	U
75-34-3	1,1-Dichloroethane	1	0.0047	U
75-35-4	1,1-Dichloroethylene	1	0.0047	U
563-58-6	1,1-Dichloropropylene	1	0.0047	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0047	U
96-18-4	1,2,3-Trichloropropane	1	0.0047	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0047	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0047	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0047	U
106-93-4	1,2-Dibromoethane	1	0.0047	U
95-50-1	1,2-Dichlorobenzene	1	0.0047	U
107-06-2	1,2-Dichloroethane	1	0.0047	U
78-87-5	1,2-Dichloropropane	1	0.0047	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0047	U
541-73-1	1,3-Dichlorobenzene	1	0.0047	U
142-28-9	1,3-Dichloropropane	1	0.0047	U
106-46-7	1,4-Dichlorobenzene	1	0.0047	U
123-91-1	1,4-Dioxane	1	0.094	U
594-20-7	2,2-Dichloropropane	1	0.0047	U
78-93-3	2-Butanone	1	0.0047	U
95-49-8	2-Chlorotoluene	1	0.0047	U
591-78-6	2-Hexanone	1	0.0047	U
106-43-4	4-Chlorotoluene	1	0.0047	U
108-10-1	4-Methyl-2-pentanone	1	0.0047	U
67-64-1	Acetone	1	0.0094	U
107-02-8	Acrolein	1	0.0094	U
107-13-1	Acrylonitrile	1	0.0047	U
71-43-2	Benzene	1	0.0047	U
108-86-1	Bromobenzene	1	0.0047	U
74-97-5	Bromochloromethane	1	0.0047	U
75-27-4	Bromodichloromethane	1	0.0047	U
75-25-2	Bromoform	1	0.0047	U
74-83-9	Bromomethane	1	0.0047	UJ
75-15-0	Carbon disulfide	1	0.0047	U
56-23-5	Carbon tetrachloride	1	0.0047	U
108-90-7	Chlorobenzene	1	0.0047	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-4-6-061724

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-11	File ID:	V5440311.D
Sampled:	06/17/24 14:30	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 23:02
Solids:	90.82	Preparation:	EPA 5035A	Initial/Final:	5.88 g / 5 ml
Batch:	BF41580	Sequence: S4F2511		Calibration: SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0047	U
67-66-3	Chloroform	1	0.0047	U
74-87-3	Chloromethane	1	0.0047	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0047	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0047	U
110-82-7	Cyclohexane	1	0.0047	U
124-48-1	Dibromochloromethane	1	0.0047	U
74-95-3	Dibromomethane	1	0.0047	U
75-71-8	Dichlorodifluoromethane	1	0.0047	U
100-41-4	Ethyl Benzene	1	0.0047	U
87-68-3	Hexachlorobutadiene	1	0.0047	U
98-82-8	Isopropylbenzene	1	0.0047	U
79-20-9	Methyl acetate	1	0.0047	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0047	U
108-87-2	Methylcyclohexane	1	0.0047	U
75-09-2	Methylene chloride	1	0.0094	U
104-51-8	n-Butylbenzene	1	0.0047	U
103-65-1	n-Propylbenzene	1	0.0047	U
95-47-6	o-Xylene	1	0.0047	U
179601-23-1	p- & m- Xylenes	1	0.0094	U
99-87-6	p-Isopropyltoluene	1	0.0047	U
135-98-8	sec-Butylbenzene	1	0.0047	U
100-42-5	Styrene	1	0.0047	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0047	U
98-06-6	tert-Butylbenzene	1	0.0047	U
127-18-4	Tetrachloroethylene	1	0.0047	V U5
108-88-3	Toluene	1	0.0047	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0047	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0047	U
79-01-6	Trichloroethylene	1	0.0047	U
75-69-4	Trichlorofluoromethane	1	0.0047	V U5
108-05-4	Vinyl acetate	1	0.0047	U
75-01-4	Vinyl Chloride	1	0.0047	V U5
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.8	106	77 - 125	
SURR: Toluene-d8	50.0	47.9	95.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.0	98.0	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-8-9-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-12	File ID:	V5440312.D
Sampled:	06/17/24 14:40	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 23:28
Solids:	84.53	Preparation:	EPA 5035A	Initial/Final:	6.38 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.093	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.012	J
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.054	J
107-02-8	Acrolein	1	0.0093	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	~~U~~ UJ
75-15-0	Carbon disulfide	1	0.0051	J
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-8-9-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1332	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1332-12	File ID:	V5440312.D
Sampled:	06/17/24 14:40	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 23:28
Solids:	84.53	Preparation:	EPA 5035A	Initial/Final:	6.38 g / 5 ml
Batch:	BF41580	Sequence: S4F2511	Calibration:	SF40022	Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0093	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.14	J
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0093	U
99-87-6	p-Isopropyltoluene	1	0.13	J
135-98-8	sec-Butylbenzene	1	0.34	J
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0046	U V5
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U V5
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U V5
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	54.5	109	77 - 125	
SURR: Toluene-d8	50.0	50.4	101	85 - 120	
SURR: p-Bromofluorobenzene	50.0	79.8	160	76 - 130	/

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MH 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-13-14-061724

13

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-13	File ID:	V5440313.D
Sampled:	06/17/24 14:50	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 23:55
Solids:	82.22	Preparation:	EPA 5035A	Initial/Final:	6.74 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022 Instrument: VOA No. 5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.090	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0063	J
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.026	V
107-02-8	Acrolein	1	0.0090	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	UJ
75-15-0	Carbon disulfide	1	0.0028	J
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-22-13-14-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1332
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1332-13	File ID:	V5440313.D
Sampled:	06/17/24 14:50	Prepared:	06/24/24 09:00	Analyzed:	06/24/24 23:55
Solids:	82.22	Preparation:	EPA 5035A	Initial/Final:	6.74 g / 5 ml
Batch:	BF41580	Sequence:	S4F2511	Calibration:	SF40022
Instrument:	VOA No. 5				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.11	J
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0090	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.18	J
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0090	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.22	J
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	U VS
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U VS
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U VS
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	53.8	108	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	68.2	136	76 - 130	✓

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/14/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1363
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 15, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-20-2-3-061724	24F1363-01	Soil
2	828109-BS-21-2-3-061724	24F1363-02	Soil
3	EB-01-061724	24F1363-03	Water
4	828109-BS-22-4-6-061724	24F1363-04	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for three soil samples and one aqueous equipment blank sample collected on June 17, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Analysis of Perfluoroalkyl Substances in Environmental Samples by Liquid Chromatography and Tandem Mass Spectrometry (LC-MS/MS).

Specific method references are as follows:

Analysis	*Method References*
PFAS	USEPA Method 1633

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

PFAS

- Data Completeness
- Holding times and sample preservation
- Liquid Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries

- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were minor rejections of data. This data cannot be used in the decision-making process for this project.

- Several compounds were rejected (R) due to severely low surrogate recoveries.

The remaining data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Perfluorinated Alkyl Substances (PFAS)

Holding Times

- All holding time criteria were met.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent difference (%D) except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
6/25/24 (2309)	PFNS	33.5%	UJ	3
6/27/24 (1750)	FHpPA	36.4%	UJ	1, 2, 4
	FPrPA	38.7%		

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
EB-01-061724	PFBA	0.754	None	ND

Surrogate Spike Recoveries

- Several surrogates recovered outside of QC limits. See summary forms for details.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R except for the following.

LCS ID	Compound	LCS %R	Qualifier	Affected Samples
BF41527-BS1	PFMPA	16.8%	UJ	3
BF41640-BS1	PFDoS	48.5%	UJ	1, 2, 4

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-20-2-3-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1363-01	File ID:	QQQ40856.d
Sampled:	06/17/24 12:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:39
Solids:	121.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.175	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.198	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.198	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.181	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.198	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	2.08	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.198	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.198	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.198	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.198	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.198	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.198	U
2355-31-9	N-MeFOSAA	1	0.198	U
2991-50-6	N-EtFOSAA	1	0.198	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.395	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.198	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.198	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.191	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.751	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.759	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.791	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.352	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.395	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.395	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.395	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.186	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.741	U
13252-13-6	HFPO-DA (Gen-X)	1	0.791	U
763051-92-9	11CL-PF3OUdS	1	0.747	U
756426-58-1	9CL-PF3ONS	1	0.739	U
919005-14-4	ADONA	1	0.747	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.192	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.190	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	0.988	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	4.94	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	4.94	U
24448-09-7	N-MeFOSE	1	1.98	U
31506-32-8	N-MeFOSA	1	0.198	U
1691-99-2	N-EtFOSE	1	1.98	U
4151-50-2	N-EtFOSA	1	0.198	U

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-20-2-3-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1363-01	File ID:	QQQ40856.d
Sampled:	06/17/24 12:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:39
Solids:	121.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	1.90	1.84	96.9	25 - 150	
M5PFHxA	2.04	2.04	100	25 - 150	
M4PFHpA	2.04	1.96	96.3	25 - 150	
M3PFHxS	1.93	1.88	97.4	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.04	2.19	108	25 - 150	
M6PFDA	1.02	0.759	74.6	25 - 150	
M7PFUdA	1.02	0.898	88.2	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.02	0.636	62.4	25 - 150	
M2PFTeDA	1.02	0.538	52.8	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.15	6.05	74.3	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.95	1.80	92.2	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.07	3.65	89.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.04	1.54	75.5	10 - 150	
d3-N-MeFOSAA	4.07	3.19	78.3	25 - 150	
d5-N-EtFOSAA	4.07	3.11	76.3	25 - 150	
M2-6:2 FTS	3.87	4.22	109	25 - 200	
M2-8:2 FTS	3.91	3.17	81.0	25 - 200	
M9PFNA	1.02	0.861	84.6	25 - 150	
M2-4:2 FTS	3.82	3.67	96.0	25 - 150	
d-N-MeFOSA	2.04	1.02	50.1	25 - 150	
d-N-EtFOSA	2.04	0.837	41.1	25 - 150	
M3HFPO-DA	8.15	9.28	114	25 - 150	
d9-N-EtFOSE	20.4	3.44	16.9	25 - 150	J U3
d7-N-MeFOSE	20.4	5.42	26.6	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	17832.02	1.234633	24200.23	1.253	
MPFDA	11075.47	8.913183	14739.43	8.988667	
MPFHxA	31797.89	6.3265	45249.88	6.3265	
MPFHxS	4508.505	7.269817	6517.25	7.326217	
MPFNA	19349.81	8.432616	25459.01	8.506733	
MPFOA	43990.46	7.848117	59759.91	7.913084	
MPFOS	10653.8	8.468017	14186.71	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4460.062	8.4322	5875.323	8.506317	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	34067.69	7.847733	34819.53	7.9127	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	85346.7	4.690383	100072.3	4.634433	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	66957.06	1.23235	104160.7	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9523.693	9.716416	12896.29	9.7818	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-20-2-3-061724

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1363	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1363-01	File ID:	QQQ40856.d
Sampled:	06/17/24 12:50	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:39
Solids:	121.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4668.298	8.467383	5605.903	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8750.27	9.258984	10764.63	9.333167	
M7PFUdA-EIS	16267.6	9.329333	20960.82	9.40395	
M6PFDA-EIS	12425.22	8.912817	17361.53	8.988216	
M5PFHxA-EIS	51087.84	6.325617	61804.06	6.325617	
M4PFHpA-EIS	12772.38	7.160733	14891.05	7.206984	
M3PFHxS-EIS	12738.85	7.2703	14786.46	7.317017	
M3PFBS-EIS	18097.15	5.510383	19817.86	5.482717	
M3-HFPO-DA-EIS	39544.48	6.61505	45944.52	6.63355	
M2PFTeDA-EIS	2995.247	10.33157	5145.717	10.37762	
M2-8-2FTS-EIS	35209.83	8.884216	43607.13	8.95955	
M2-6-2FTS-EIS	30028.87	7.791283	32230.54	7.856233	
M2-4-2FTS-EIS	29238.05	6.259634	32589.84	6.259634	
d9-NEtFOSE-EIS	603.2457	10.50042	1266.329	10.54532	
d7-NMeFOSE-EIS	2387.188	10.2712	4103.552	10.31725	
d5-NEtFOSA-EIS	229.0841	10.52998	395.8881	10.5668	
d5-N-EtFOSAA-EIS	14754.38	9.309733	19319.18	9.38425	
d3-NMeFOSA-EIS	601.0695	10.26555	736.2376	10.3116	
d3-N-MeFOSAA-EIS	18037.44	9.08745	22285.79	9.171083	

* Values outside of QC limits

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-21-2-3-061724

2

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24F1363

Client: CDM Smith Project: Speedys Cleaners 247380

Matrix: Soil Laboratory ID: 24F1363-02 File ID: QQQ40857.d

Sampled: 06/17/24 13:30 Prepared: 06/25/24 09:42 Analyzed: 06/27/24 18:55

Solids: 86.88 Preparation: EPA 1633 Prep Initial/Final: 5.06 g / 5 mL

Batch: BF41640 Sequence: S4F2663 Calibration: SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.201	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.227	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.227	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.208	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.227	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.212	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.227	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.227	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.227	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.227	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.227	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.227	U
2355-31-9	N-MeFOSAA	1	0.227	U
2991-50-6	N-EtFOSAA	1	0.227	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.455	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.227	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.227	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.220	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.864	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.874	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.910	U R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.405	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.455	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.455	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.455	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.214	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.853	U
13252-13-6	HFPO-DA (Gen-X)	1	0.910	U
763051-92-9	11CL-PF3OUdS	1	0.860	U
756426-58-1	9CL-PF3ONS	1	0.851	U
919005-14-4	ADONA	1	0.860	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.221	U UJ
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.218	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.14	U UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.69	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.69	U UJ
24448-09-7	N-MeFOSE	1	2.27	U UJ
31506-32-8	N-MeFOSA	1	0.227	U
1691-99-2	N-EtFOSE	1	2.27	U UJ
4151-50-2	N-EtFOSA	1	0.227	U

WM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-21-2-3-061724 2

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1363	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1363-02	File ID:	QQQ40857.d
Sampled:	06/17/24 13:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:55
Solids:	86.88	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence: S4F2663	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.65	2.55	96.3	25 - 150	
M5PFHxA	2.84	2.36	83.0	25 - 150	
M4PFHpA	2.84	2.25	79.0	25 - 150	
M3PFHxS	2.70	2.37	87.9	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.84	2.44	85.8	25 - 150	
M6PFDA	1.42	0.896	63.0	25 - 150	
M7PFUdA	1.42	0.903	63.5	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.42	0.722	50.8	25 - 150	
M2PFTeDA	1.42	0.455	32.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.4	0.582	5.12	25 - 150	J R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.72	1.96	71.8	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.69	3.69	64.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.84	1.74	61.1	10 - 150	
d3-N-MeFOSAA	5.69	3.01	53.0	25 - 150	
d5-N-EtFOSAA	5.69	3.10	54.4	25 - 150	
M2-6:2 FTS	5.41	5.20	96.2	25 - 200	
M2-8:2 FTS	5.46	3.47	63.5	25 - 200	
M9PFNA	1.42	1.07	75.2	25 - 150	
M2-4:2 FTS	5.33	4.70	88.2	25 - 150	
d-N-MeFOSA	2.84	0.788	27.7	25 - 150	
d-N-EtFOSA	2.84	1.29	45.5	25 - 150	
M3HFPO-DA	11.4	11.2	98.0	25 - 150	
d9-N-EtFOSE	28.4	4.06	14.3	25 - 150	J UJ
d7-N-MeFOSE	28.4	5.80	20.4	25 - 150	J UJ

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	18784.55	1.243817	24200.23	1.253	
MPFDA	11006.67	8.9039	14739.43	8.988667	
MPFHxA	38389.31	6.363533	45249.88	6.3265	
MPFHxS	4554.543	7.288317	6517.25	7.326217	
MPFNA	21108.86	8.42335	25459.01	8.506733	
MPFOA	47178.92	7.848117	59759.91	7.913084	
MPFOS	11763.4	8.45875	14186.71	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4284.059	8.422934	5875.323	8.506317	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	29122.94	7.847733	34819.53	7.9127	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	75243.01	4.662034	100072.3	4.634433	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	4870.9	1.241533	104160.7	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	7677.761	9.697917	12896.29	9.7818	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-21-2-3-061724 2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1363-02	File ID:	QQQ40857.d
Sampled:	06/17/24 13:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 18:55
Solids:	86.88	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4026.284	8.458117	5605.903	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	7816.228	9.249717	10764.63	9.333167	
M7PFUdA-EIS	11646.68	9.320066	20960.82	9.40395	
M6PFDA-EIS	10429.32	8.89425	17361.53	8.988216	
M5PFHxA-EIS	51162.4	6.36265	61804.06	6.325617	
M4PFHpA-EIS	12643.65	7.188483	14891.05	7.206984	
M3PFHxS-EIS	11595.67	7.2888	14786.46	7.317017	
M3PFBS-EIS	18171.13	5.529333	19817.86	5.482717	
M3-HFPO-DA-EIS	41135.26	6.661334	45944.52	6.63355	
M2PFTeDA-EIS	1801.943	10.31313	5145.717	10.37762	
M2-8-2FTS-EIS	27706.46	8.874933	43607.13	8.95955	
M2-6-2FTS-EIS	26677.59	7.791283	32230.54	7.856233	
M2-4-2FTS-EIS	27132.93	6.296967	32589.84	6.259634	
d9-NEtFOSE-EIS	569.0518	10.4912	1266.329	10.54532	
d7-NMeFOSE-EIS	2007.887	10.25278	4103.552	10.31725	
d5-NEtFOSA-EIS	279.1992	10.5214	395.8881	10.5668	
d5-N-EtFOSAA-EIS	11628.22	9.290767	19319.18	9.38425	
d3-NMeFOSA-EIS	381.533	10.24713	736.2376	10.3116	
d3-N-MeFOSAA-EIS	13481.41	9.078183	22285.79	9.171083	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-01-061724

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1363-03	File ID:	QQQ40725.d
Sampled:	06/17/24 14:30	Prepared:	06/24/24 08:01	Analyzed:	06/26/24 01:02
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	511.24 mL / 5 mL
Batch:	BF41527	Sequence:	S4F2545	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.73	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1.96	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.96	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.79	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	1.96	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.82	U
375-95-1	Perfluorononanoic acid (PFNA)	1	1.96	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.96	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.96	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.96	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.96	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.96	U
2355-31-9	N-MeFOSAA	1	1.96	U
2991-50-6	N-EtFOSAA	1	1.96	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	3.91	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.96	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.87	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.89	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	7.43	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.51	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.754	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.48	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.91	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.91	J US
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.91	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.84	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	7.34	U
13252-13-6	HFPO-DA (Gen-X)	1	7.82	U
763051-92-9	11CL-PF3OUdS	1	7.39	U
756426-58-1	9CL-PF3ONS	1	7.32	U
919005-14-4	ADONA	1	7.39	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.90	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.88	J US
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.89	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	24.5	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	24.5	U
24448-09-7	N-MeFOSE	1	19.6	U
31506-32-8	N-MeFOSA	1	1.96	U
1691-99-2	N-EtFOSE	1	19.6	U
4151-50-2	N-EtFOSA	1	1.96	U

MA 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-01-061724

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1363	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1363-03	File ID:	QQQ40725.d
Sampled:	06/17/24 14:30	Prepared:	06/24/24 08:01	Analyzed:	06/26/24 01:02
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	511.24 mL / 5 mL
Batch:	BF41527	Sequence: S4F2545	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	22.8	20.8	91.4	25 - 150	
M5PFHxA	24.5	19.0	77.8	25 - 150	
M4PFHpA	24.5	20.1	82.4	25 - 150	
M3PFHxS	23.2	20.9	90.0	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	24.5	23.3	95.4	25 - 150	
M6PFDA	12.2	9.28	75.9	25 - 150	
M7PFUdA	12.2	12.8	104	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.2	13.4	109	25 - 150	
M2PFTeDA	12.2	14.0	114	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.8	1.98	2.03	25 - 150	J
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.4	17.7	75.7	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	48.9	27.7	56.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.5	26.8	109	10 - 150	
d3-N-MeFOSAA	48.9	43.2	88.4	25 - 150	
d5-N-EtFOSAA	48.9	47.8	97.8	25 - 150	
M2-6:2 FTS	46.5	29.6	63.7	25 - 200	
M2-8:2 FTS	46.9	35.5	75.5	25 - 200	
M9PFNA	12.2	10.3	84.1	25 - 150	
M2-4:2 FTS	45.9	30.8	67.1	25 - 150	
d-N-MeFOSA	24.5	32.7	134	25 - 150	
d-N-EtFOSA	24.5	34.2	140	25 - 150	
M3HFPO-DA	97.8	82.7	84.5	25 - 150	
d9-N-EtFOSE	245	230	94.1	25 - 150	
d7-N-MeFOSE	245	220	89.9	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	31215.38	1.289717	48656.99	1.372333	
MPFDA	16990.86	9.0535	27124.04	9.072317	
MPFHxA	47806.66	6.400567	70952.41	6.409833	
MPFHxS	4922.441	7.354033	7318.193	7.3728	
MPFNA	25500.02	8.534734	38064.29	8.562533	
MPFOA	53884.47	7.940917	84100.94	7.968917	
MPFOS	13663.14	8.560966	21549.5	8.588767	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5842.774	8.525066	11123.48	8.562134	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	36955.89	7.940533	65626.3	7.968567	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	81098.18	4.79245	211185.8	4.838567	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	3207.738	1.287417	251316.6	1.37005	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	25564.95	9.92105	52156.77	9.9402	

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

EB-01-061724

3

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24F1363

Client: CDM Smith Project: Speedys Cleaners 247380

Matrix: Water Laboratory ID: 24F1363-03 File ID: QQQ40725.d

Sampled: 06/17/24 14:30 Prepared: 06/24/24 08:01 Analyzed: 06/26/24 01:02

Solids: Preparation: EPA 1633 Prep Initial/Final: 511.24 mL / 5 mL

Batch: BF41527 Sequence: S4F2545 Calibration: SF40019 Instrument: LCQQQ

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4910.895	8.560384	9022.928	8.588183	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	16259.67	9.610784	32822.8	9.629283	
M7PFUdA-EIS	29516.91	9.505733	59112.36	9.524517	
M6PFDA-EIS	19400.72	9.0438	35318.19	9.0719	
M5PFHxA-EIS	59733.78	6.40895	111463.2	6.40895	
M4PFHpA-EIS	16432.83	7.253233	26183.22	7.262483	
M3PFHxS-EIS	12862.67	7.354417	21728.2	7.373167	
M3PFBS-EIS	18639.4	5.575483	33179.56	5.584717	
M3-HFPO-DA-EIS	44137.25	6.707617	76610.38	6.707617	
M2PFTeDA-EIS	9924.966	10.58028	25545.43	10.58028	
M2-8-2FTS-EIS	35823.78	9.015133	67436.54	9.03365	
M2-6-2FTS-EIS	19184.27	7.884083	36020.13	7.902633	
M2-4-2FTS-EIS	22300.23	6.324733	41633.48	6.334	
d9-NEtFOSE-EIS	4329.101	10.63737	12782.57	10.63737	
d7-NMeFOSE-EIS	10281.09	10.38172	27505.25	10.39093	
d5-NEtFOSA-EIS	1041.373	10.68647	2577.968	10.67725	
d5-N-EtFOSAA-EIS	24269.13	9.495283	51756.98	9.5138	
d3-NMeFOSA-EIS	2111.375	10.41292	4576.766	10.42212	
d3-N-MeFOSAA-EIS	26124.67	9.254483	54833.86	9.273017	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-22-4-6-061724

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1363-04	File ID:	QQQ40858.d
Sampled:	06/17/24 14:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 19:11
Solids:	89.65	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.195	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.220	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.220	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.202	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.220	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.207	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.220	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.220	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.220	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.220	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.220	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.220	U
2355-31-9	N-MeFOSAA	1	0.220	U
2991-50-6	N-EtFOSAA	1	0.220	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.441	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.220	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.220	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.213	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.838	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.847	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.882	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.392	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.441	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.441	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.441	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.207	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.827	U
13252-13-6	HFPO-DA (Gen-X)	1	0.882	U
763051-92-9	11CL-PF3OUdS	1	0.833	U
756426-58-1	9CL-PF3ONS	1	0.824	U
919005-14-4	ADONA	1	0.833	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.214	~~U~~ UJ
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.212	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.10	~~U~~ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.51	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.51	~~U~~ UJ
24448-09-7	N-MeFOSE	1	2.20	~~U~~ UJ
31506-32-8	N-MeFOSA	1	0.220	U
1691-99-2	N-EtFOSE	1	2.20	~~U~~ UJ
4151-50-2	N-EtFOSA	1	0.220	~~U~~ UJ

MT 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-22-4-6-061724

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1363-04	File ID:	QQQ40858.d
Sampled:	06/17/24 14:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 19:11
Solids:	89.65	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.57	2.28	88.7	25 - 150	
M5PFHxA	2.76	2.27	82.2	25 - 150	
M4PFHpA	2.76	2.12	77.0	25 - 150	
M3PFHxS	2.61	2.41	92.3	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.76	2.58	93.5	25 - 150	
M6PFDA	1.38	1.08	78.7	25 - 150	
M7PFUdA	1.38	1.31	94.8	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.38	1.02	74.0	25 - 150	
M2PFTeDA	1.38	0.578	42.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.0	6.38	57.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.64	2.65	101	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.51	3.98	72.3	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.76	1.62	58.7	10 - 150	
d3-N-MeFOSAA	5.51	4.08	74.0	25 - 150	
d5-N-EtFOSAA	5.51	4.52	82.0	25 - 150	
M2-6:2 FTS	5.24	6.34	121	25 - 200	
M2-8:2 FTS	5.29	4.29	81.2	25 - 200	
M9PFNA	1.38	1.17	84.6	25 - 150	
M2-4:2 FTS	5.17	3.98	77.0	25 - 150	
d-N-MeFOSA	2.76	0.811	29.4	25 - 150	
d-N-EtFOSA	2.76	0.543	19.7	25 - 150	✓ LO
M3HFPO-DA	11.0	10.4	94.2	25 - 150	
d9-N-EtFOSE	27.6	4.76	17.3	25 - 150	✓ LO
d7-N-MeFOSE	27.6	6.39	23.2	25 - 150	✓ LO

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	17629.99	1.234633	24200.23	1.253	
MPFDA	11089.98	8.922466	14739.43	8.988667	
MPFHxA	33853.18	6.363533	45249.88	6.3265	
MPFHxS	4666.118	7.316583	6517.25	7.326217	
MPFNA	19246.17	8.441883	25459.01	8.506733	
MPFOA	42562.38	7.885233	59759.91	7.913084	
MPFOS	10828.88	8.477283	14186.71	8.542434	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4435.452	8.441466	5875.323	8.506317	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	28629.21	7.875566	34819.53	7.9127	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	73288.64	4.634433	100072.3	4.634433	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	51678.66	1.23235	104160.7	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	11297.87	9.716416	12896.29	9.7818	

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-22-4-6-061724

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1363
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1363-04	File ID:	QQQ40858.d
Sampled:	06/17/24 14:30	Prepared:	06/25/24 09:42	Analyzed:	06/27/24 19:11
Solids:	89.65	Preparation:	EPA 1633 Prep	Initial/Final:	5.06 g / 5 mL
Batch:	BF41640	Sequence:	S4F2663	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5200.108	8.47665	5605.903	8.54185	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	6907.313	9.26825	10764.63	9.333167	
M7PFUdA-EIS	17511.92	9.339184	20960.82	9.40395	
M6PFDA-EIS	13134.48	8.9221	17361.53	8.988216	
M5PFHxA-EIS	44724.73	6.36265	61804.06	6.325617	
M4PFHpA-EIS	10872.62	7.216233	14891.05	7.206984	
M3PFHxS-EIS	12479.35	7.3266	14786.46	7.317017	
M3PFBS-EIS	17148.09	5.501167	19817.86	5.482717	
M3-HFPO-DA-EIS	34841.22	6.670583	45944.52	6.63355	
M2PFTeDA-EIS	2381.798	10.33157	5145.717	10.37762	
M2-8-2FTS-EIS	36488.57	8.8935	43607.13	8.95955	
M2-6-2FTS-EIS	34535.44	7.819117	32230.54	7.856233	
M2-4-2FTS-EIS	24279.85	6.2877	32589.84	6.259634	
d9-NEtFOSE-EIS	616.1335	10.50962	1266.329	10.54532	
d7-NMeFOSE-EIS	2098.339	10.2712	4103.552	10.31725	
d5-NEtFOSA-EIS	120.09	10.5214	395.8881	10.5668	
d5-N-EtFOSAA-EIS	16115.02	9.309733	19319.18	9.38425	
d3-NMeFOSA-EIS	358.6247	10.26555	736.2376	10.3116	
d3-N-MeFOSAA-EIS	17325.93	9.096666	22285.79	9.171083	

* Values outside of QC limits

MH 8/15/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1449
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 14, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-31-1-2-062024	24F1449-01	Soil
2	828109-BS-31-3-4-062024	24F1449-02	Soil
3	828109-BS-31-8-9-062024	24F1449-03	Soil
4	828109-BS-31-13-14-062024	24F1449-04	Soil
4MS	828109-BS-31-13-14-062024MS	24F1449-04MS	Soil
4MSD	828109-BS-31-13-14-062024MSD	24F1449-04MSD	Soil
5	828109-BS-904-13-14-062024	24F1449-05	Soil
6	828109-BS-32-1-2-062024	24F1449-06	Soil
7	828109-BS-32-3-4-062024	24F1449-07	Soil
8	828109-BS-32-8-9-062024	24F1449-08	Soil
9	828109-BS-26-1-2-062024	24F1449-09	Soil
10	828109-BS-26-4-5-062024	24F1449-10	Soil
11	828109-BS-26-8-9-062024	24F1449-11	Soil
12	828109-BS-26-12-13-062024	24F1449-12	Soil
13	EB-04-062024	24F1449-13	Water
14	TRIPBLANK-062024	24F1449-14	Water
15	828109-BS-29-1-2-062024	24F1449-15	Soil
16	828109-BS-29-4-5-062024	24F1449-16	Soil
17	828109-BS-29-7-8-062024	24F1449-17	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for fifteen soil samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on June 20, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C/D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
6/24/24 (1002)	1,1,2,2-tetrachloroethane	35.5%	UJ	13, 14
	Bromomethane	65.4%		
	Chloromethane	40.6%		
	Isopropylbenzene	33.9%		
	n-propylbenzene	40.9%		

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of acetone, 2-butanone and methylene chloride (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRIP BLANK-062024	Acetone	2.47	U	2, 7, 10
EB-04-062024	Bromodichloromethane	1.10	None	ND
	Chloroform	11.9		

Surrogate Spike Recoveries

- The samples exhibited acceptable surrogate percent recoveries (%R) except for the following.

Sample	Compound	%R	Qualifier
11	p-Bromofluorobenzene	313%	J- Positive Results

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Samples

- The LCS/LCSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- All criteria were met.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples are summarized below. The precision is acceptable.

Compound	828109-BS-31-13-14-062024 mg/kg	828109-BS-904-13-14-062024 mg/kg	RPD	Qualifier
None	ND	ND	-	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-01	File ID:	V11C018207.D
Sampled:	06/20/24 07:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 18:32
Solids:	88.27	Preparation:	EPA 5035A	Initial/Final:	6.13 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0092	U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

MF 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-01	File ID:	V11C018207.D
Sampled:	06/20/24 07:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 18:32
Solids:	88.27	Preparation:	EPA 5035A	Initial/Final:	6.13 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0046	U
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.0	93.9	77 - 125	
SURR: Toluene-d8	50.0	49.8	99.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.2	106	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-3-4-062024

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-02	File ID:	V11C018208.D
Sampled:	06/20/24 07:40	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 18:58
Solids:	90.45	Preparation:	EPA 5035A	Initial/Final:	6.42 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0043	U
71-55-6	1,1,1-Trichloroethane	1	0.0043	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0043	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0043	U
79-00-5	1,1,2-Trichloroethane	1	0.0043	U
75-34-3	1,1-Dichloroethane	1	0.0043	U
75-35-4	1,1-Dichloroethylene	1	0.0043	U
563-58-6	1,1-Dichloropropylene	1	0.0043	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0043	U
96-18-4	1,2,3-Trichloropropane	1	0.0043	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0043	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0043	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0043	U
106-93-4	1,2-Dibromoethane	1	0.0043	U
95-50-1	1,2-Dichlorobenzene	1	0.0043	U
107-06-2	1,2-Dichloroethane	1	0.0043	U
78-87-5	1,2-Dichloropropane	1	0.0043	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0043	U
541-73-1	1,3-Dichlorobenzene	1	0.0043	U
142-28-9	1,3-Dichloropropane	1	0.0043	U
106-46-7	1,4-Dichlorobenzene	1	0.0043	U
123-91-1	1,4-Dioxane	1	0.086	U
594-20-7	2,2-Dichloropropane	1	0.0043	U
78-93-3	2-Butanone	1	0.0043	U
95-49-8	2-Chlorotoluene	1	0.0043	U
591-78-6	2-Hexanone	1	0.0043	U
106-43-4	4-Chlorotoluene	1	0.0043	U
108-10-1	4-Methyl-2-pentanone	1	0.0043	U
67-64-1	Acetone	1	0.0084	✓ U
107-02-8	Acrolein	1	0.0086	U
107-13-1	Acrylonitrile	1	0.0043	U
71-43-2	Benzene	1	0.0043	U
108-86-1	Bromobenzene	1	0.0043	U
74-97-5	Bromochloromethane	1	0.0043	U
75-27-4	Bromodichloromethane	1	0.0043	U
75-25-2	Bromoform	1	0.0043	U
74-83-9	Bromomethane	1	0.0043	U
75-15-0	Carbon disulfide	1	0.0043	U
56-23-5	Carbon tetrachloride	1	0.0043	U
108-90-7	Chlorobenzene	1	0.0043	U

MAT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-3-4-062024

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-02	File ID:	V11C018208.D
Sampled:	06/20/24 07:40	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 18:58
Solids:	90.45	Preparation:	EPA 5035A	Initial/Final:	6.42 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
				Instrument:	VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0043	U
67-66-3	Chloroform	1	0.0043	U
74-87-3	Chloromethane	1	0.0043	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0043	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0043	U
110-82-7	Cyclohexane	1	0.0043	U
124-48-1	Dibromochloromethane	1	0.0043	U
74-95-3	Dibromomethane	1	0.0043	U
75-71-8	Dichlorodifluoromethane	1	0.0043	U
100-41-4	Ethyl Benzene	1	0.0043	U
87-68-3	Hexachlorobutadiene	1	0.0043	U
98-82-8	Isopropylbenzene	1	0.0043	U
79-20-9	Methyl acetate	1	0.0043	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0043	U
108-87-2	Methylcyclohexane	1	0.0043	U
75-09-2	Methylene chloride	1	0.0086	U
104-51-8	n-Butylbenzene	1	0.0043	U
103-65-1	n-Propylbenzene	1	0.0043	U
95-47-6	o-Xylene	1	0.0043	U
179601-23-1	p- & m- Xylenes	1	0.0086	U
99-87-6	p-Isopropyltoluene	1	0.0043	U
135-98-8	sec-Butylbenzene	1	0.0043	U
100-42-5	Styrene	1	0.0043	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0043	U
98-06-6	tert-Butylbenzene	1	0.0043	U
127-18-4	Tetrachloroethylene	1	0.0043	U
108-88-3	Toluene	1	0.0043	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0043	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0043	U
79-01-6	Trichloroethylene	1	0.0043	U
75-69-4	Trichlorofluoromethane	1	0.0043	U
108-05-4	Vinyl acetate	1	0.0043	U
75-01-4	Vinyl Chloride	1	0.0043	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.3	94.5	77 - 125	
SURR: Toluene-d8	50.0	48.5	97.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	64.2	128	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-8-9-062024

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-03	File ID:	V11C018209.D
Sampled:	06/20/24 07:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 19:24
Solids:	87.99	Preparation:	EPA 5035A	Initial/Final:	7.18 g / 5 ml
Batch:	BF41581	Sequence: S4F2536		Calibration: SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0040	U
71-55-6	1,1,1-Trichloroethane	1	0.0040	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0040	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0040	U
79-00-5	1,1,2-Trichloroethane	1	0.0040	U
75-34-3	1,1-Dichloroethane	1	0.0040	U
75-35-4	1,1-Dichloroethylene	1	0.0040	U
563-58-6	1,1-Dichloropropylene	1	0.0040	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0040	U
96-18-4	1,2,3-Trichloropropane	1	0.0040	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0040	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0040	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0040	U
106-93-4	1,2-Dibromoethane	1	0.0040	U
95-50-1	1,2-Dichlorobenzene	1	0.0040	U
107-06-2	1,2-Dichloroethane	1	0.0040	U
78-87-5	1,2-Dichloropropane	1	0.0040	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0040	U
541-73-1	1,3-Dichlorobenzene	1	0.0040	U
142-28-9	1,3-Dichloropropane	1	0.0040	U
106-46-7	1,4-Dichlorobenzene	1	0.0040	U
123-91-1	1,4-Dioxane	1	0.079	U
594-20-7	2,2-Dichloropropane	1	0.0040	U
78-93-3	2-Butanone	1	0.0040	U
95-49-8	2-Chlorotoluene	1	0.0040	U
591-78-6	2-Hexanone	1	0.0040	U
106-43-4	4-Chlorotoluene	1	0.0040	U
108-10-1	4-Methyl-2-pentanone	1	0.0040	U
67-64-1	Acetone	1	0.0079	U
107-02-8	Acrolein	1	0.0079	U
107-13-1	Acrylonitrile	1	0.0040	U
71-43-2	Benzene	1	0.0040	U
108-86-1	Bromobenzene	1	0.0040	U
74-97-5	Bromochloromethane	1	0.0040	U
75-27-4	Bromodichloromethane	1	0.0040	U
75-25-2	Bromoform	1	0.0040	U
74-83-9	Bromomethane	1	0.0040	U
75-15-0	Carbon disulfide	1	0.0040	U
56-23-5	Carbon tetrachloride	1	0.0040	U
108-90-7	Chlorobenzene	1	0.0040	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-8-9-062024

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-03	File ID:	V11C018209.D
Sampled:	06/20/24 07:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 19:24
Solids:	87.99	Preparation:	EPA 5035A	Initial/Final:	7.18 g / 5 ml
Batch:	BF41581	Sequence: S4F2536		Calibration: SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0040	U
67-66-3	Chloroform	1	0.0040	U
74-87-3	Chloromethane	1	0.0040	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0040	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0040	U
110-82-7	Cyclohexane	1	0.0040	U
124-48-1	Dibromochloromethane	1	0.0040	U
74-95-3	Dibromomethane	1	0.0040	U
75-71-8	Dichlorodifluoromethane	1	0.0040	U
100-41-4	Ethyl Benzene	1	0.0040	U
87-68-3	Hexachlorobutadiene	1	0.0040	U
98-82-8	Isopropylbenzene	1	0.0040	U
79-20-9	Methyl acetate	1	0.0040	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0040	U
108-87-2	Methylcyclohexane	1	0.0040	U
75-09-2	Methylene chloride	1	0.0079	U
104-51-8	n-Butylbenzene	1	0.0040	U
103-65-1	n-Propylbenzene	1	0.0040	U
95-47-6	o-Xylene	1	0.0040	U
179601-23-1	p- & m- Xylenes	1	0.0079	U
99-87-6	p-Isopropyltoluene	1	0.0040	U
135-98-8	sec-Butylbenzene	1	0.0040	U
100-42-5	Styrene	1	0.0040	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0040	U
98-06-6	tert-Butylbenzene	1	0.0040	U
127-18-4	Tetrachloroethylene	1	0.0040	U
108-88-3	Toluene	1	0.0040	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0040	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0040	U
79-01-6	Trichloroethylene	1	0.0040	U
75-69-4	Trichlorofluoromethane	1	0.0040	U
108-05-4	Vinyl acetate	1	0.0040	U
75-01-4	Vinyl Chloride	1	0.0040	U
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.3	94.6	77 - 125	
SURR: Toluene-d8	50.0	49.2	98.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.4	107	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-13-14-062024

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-04	File ID:	V11C018210.D
Sampled:	06/20/24 08:00	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 19:50
Solids:	91.33	Preparation:	EPA 5035A	Initial/Final:	6.62 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0041	U
71-55-6	1,1,1-Trichloroethane	1	0.0041	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0041	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0041	U
79-00-5	1,1,2-Trichloroethane	1	0.0041	U
75-34-3	1,1-Dichloroethane	1	0.0041	U
75-35-4	1,1-Dichloroethylene	1	0.0041	U
563-58-6	1,1-Dichloropropylene	1	0.0041	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0041	U
96-18-4	1,2,3-Trichloropropane	1	0.0041	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0041	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0041	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0041	U
106-93-4	1,2-Dibromoethane	1	0.0041	U
95-50-1	1,2-Dichlorobenzene	1	0.0041	U
107-06-2	1,2-Dichloroethane	1	0.0041	U
78-87-5	1,2-Dichloropropane	1	0.0041	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0041	U
541-73-1	1,3-Dichlorobenzene	1	0.0041	U
142-28-9	1,3-Dichloropropane	1	0.0041	U
106-46-7	1,4-Dichlorobenzene	1	0.0041	U
123-91-1	1,4-Dioxane	1	0.083	U
594-20-7	2,2-Dichloropropane	1	0.0041	U
78-93-3	2-Butanone	1	0.0041	U
95-49-8	2-Chlorotoluene	1	0.0041	U
591-78-6	2-Hexanone	1	0.0041	U
106-43-4	4-Chlorotoluene	1	0.0041	U
108-10-1	4-Methyl-2-pentanone	1	0.0041	U
67-64-1	Acetone	1	0.0083	U
107-02-8	Acrolein	1	0.0083	U
107-13-1	Acrylonitrile	1	0.0041	U
71-43-2	Benzene	1	0.0041	U
108-86-1	Bromobenzene	1	0.0041	U
74-97-5	Bromochloromethane	1	0.0041	U
75-27-4	Bromodichloromethane	1	0.0041	U
75-25-2	Bromoform	1	0.0041	U
74-83-9	Bromomethane	1	0.0041	U
75-15-0	Carbon disulfide	1	0.0041	U
56-23-5	Carbon tetrachloride	1	0.0041	U
108-90-7	Chlorobenzene	1	0.0041	U

MM 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-31-13-14-062024

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-04	File ID:	V11C018210.D
Sampled:	06/20/24 08:00	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 19:50
Solids:	91.33	Preparation:	EPA 5035A	Initial/Final:	6.62 g / 5 ml
Batch:	BF41581	Sequence: S4F2536		Calibration: SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0041	U
67-66-3	Chloroform	1	0.0041	U
74-87-3	Chloromethane	1	0.0041	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0041	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0041	U
110-82-7	Cyclohexane	1	0.0041	U
124-48-1	Dibromochloromethane	1	0.0041	U
74-95-3	Dibromomethane	1	0.0041	U
75-71-8	Dichlorodifluoromethane	1	0.0041	U
100-41-4	Ethyl Benzene	1	0.0041	U
87-68-3	Hexachlorobutadiene	1	0.0041	U
98-82-8	Isopropylbenzene	1	0.0041	U
79-20-9	Methyl acetate	1	0.0041	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0041	U
108-87-2	Methylcyclohexane	1	0.0041	U
75-09-2	Methylene chloride	1	0.0083	U
104-51-8	n-Butylbenzene	1	0.0041	U
103-65-1	n-Propylbenzene	1	0.0041	U
95-47-6	o-Xylene	1	0.0041	U
179601-23-1	p- & m- Xylenes	1	0.0083	U
99-87-6	p-Isopropyltoluene	1	0.0041	U
135-98-8	sec-Butylbenzene	1	0.0041	U
100-42-5	Styrene	1	0.0041	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0041	U
98-06-6	tert-Butylbenzene	1	0.0041	U
127-18-4	Tetrachloroethylene	1	0.0041	U
108-88-3	Toluene	1	0.0041	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0041	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0041	U
79-01-6	Trichloroethylene	1	0.0041	U
75-69-4	Trichlorofluoromethane	1	0.0041	U
108-05-4	Vinyl acetate	1	0.0041	U
75-01-4	Vinyl Chloride	1	0.0041	U
1330-20-7	Xylenes, Total	1	0.012	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.8	95.7	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.7	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-904-13-14-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-05	File ID:	V11C018211.D
Sampled:	06/20/24 08:05	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:15
Solids:	90.57	Preparation:	EPA 5035A	Initial/Final:	6.52 g / 5 ml
Batch:	BF41581	Sequence: S4F2536		Calibration: SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0042	U
71-55-6	1,1,1-Trichloroethane	1	0.0042	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0042	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0042	U
79-00-5	1,1,2-Trichloroethane	1	0.0042	U
75-34-3	1,1-Dichloroethane	1	0.0042	U
75-35-4	1,1-Dichloroethylene	1	0.0042	U
563-58-6	1,1-Dichloropropylene	1	0.0042	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0042	U
96-18-4	1,2,3-Trichloropropane	1	0.0042	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0042	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0042	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0042	U
106-93-4	1,2-Dibromoethane	1	0.0042	U
95-50-1	1,2-Dichlorobenzene	1	0.0042	U
107-06-2	1,2-Dichloroethane	1	0.0042	U
78-87-5	1,2-Dichloropropane	1	0.0042	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0042	U
541-73-1	1,3-Dichlorobenzene	1	0.0042	U
142-28-9	1,3-Dichloropropane	1	0.0042	U
106-46-7	1,4-Dichlorobenzene	1	0.0042	U
123-91-1	1,4-Dioxane	1	0.085	U
594-20-7	2,2-Dichloropropane	1	0.0042	U
78-93-3	2-Butanone	1	0.0042	U
95-49-8	2-Chlorotoluene	1	0.0042	U
591-78-6	2-Hexanone	1	0.0042	U
106-43-4	4-Chlorotoluene	1	0.0042	U
108-10-1	4-Methyl-2-pentanone	1	0.0042	U
67-64-1	Acetone	1	0.0085	U
107-02-8	Acrolein	1	0.0085	U
107-13-1	Acrylonitrile	1	0.0042	U
71-43-2	Benzene	1	0.0042	U
108-86-1	Bromobenzene	1	0.0042	U
74-97-5	Bromochloromethane	1	0.0042	U
75-27-4	Bromodichloromethane	1	0.0042	U
75-25-2	Bromoform	1	0.0042	U
74-83-9	Bromomethane	1	0.0042	U
75-15-0	Carbon disulfide	1	0.0042	U
56-23-5	Carbon tetrachloride	1	0.0042	U
108-90-7	Chlorobenzene	1	0.0042	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-904-13-14-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-05	File ID:	V11C018211.D
Sampled:	06/20/24 08:05	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:15
Solids:	90.57	Preparation:	EPA 5035A	Initial/Final:	6.52 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006	Instrument:	VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0042	U
67-66-3	Chloroform	1	0.0042	U
74-87-3	Chloromethane	1	0.0042	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0042	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0042	U
110-82-7	Cyclohexane	1	0.0042	U
124-48-1	Dibromochloromethane	1	0.0042	U
74-95-3	Dibromomethane	1	0.0042	U
75-71-8	Dichlorodifluoromethane	1	0.0042	U
100-41-4	Ethyl Benzene	1	0.0042	U
87-68-3	Hexachlorobutadiene	1	0.0042	U
98-82-8	Isopropylbenzene	1	0.0042	U
79-20-9	Methyl acetate	1	0.0042	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0042	U
108-87-2	Methylcyclohexane	1	0.0042	U
75-09-2	Methylene chloride	1	0.0085	U
104-51-8	n-Butylbenzene	1	0.0042	U
103-65-1	n-Propylbenzene	1	0.0042	U
95-47-6	o-Xylene	1	0.0042	U
179601-23-1	p- & m- Xylenes	1	0.0085	U
99-87-6	p-Isopropyltoluene	1	0.0042	U
135-98-8	sec-Butylbenzene	1	0.0042	U
100-42-5	Styrene	1	0.0042	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0042	U
98-06-6	tert-Butylbenzene	1	0.0042	U
127-18-4	Tetrachloroethylene	1	0.0042	U
108-88-3	Toluene	1	0.0042	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0042	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0042	U
79-01-6	Trichloroethylene	1	0.0042	U
75-69-4	Trichlorofluoromethane	1	0.0042	U
108-05-4	Vinyl acetate	1	0.0042	U
75-01-4	Vinyl Chloride	1	0.0042	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.8	95.5	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.3	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-32-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-06	File ID:	V11C018212.D
Sampled:	06/20/24 09:45	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:41
Solids:	94.40	Preparation:	EPA 5035A	Initial/Final:	5.96 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0044	U
71-55-6	1,1,1-Trichloroethane	1	0.0044	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0044	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0044	U
79-00-5	1,1,2-Trichloroethane	1	0.0044	U
75-34-3	1,1-Dichloroethane	1	0.0044	U
75-35-4	1,1-Dichloroethylene	1	0.0044	U
563-58-6	1,1-Dichloropropylene	1	0.0044	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0044	U
96-18-4	1,2,3-Trichloropropane	1	0.0044	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0044	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0044	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0044	U
106-93-4	1,2-Dibromoethane	1	0.0044	U
95-50-1	1,2-Dichlorobenzene	1	0.0044	U
107-06-2	1,2-Dichloroethane	1	0.0044	U
78-87-5	1,2-Dichloropropane	1	0.0044	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0044	U
541-73-1	1,3-Dichlorobenzene	1	0.0044	U
142-28-9	1,3-Dichloropropane	1	0.0044	U
106-46-7	1,4-Dichlorobenzene	1	0.0044	U
123-91-1	1,4-Dioxane	1	0.089	U
594-20-7	2,2-Dichloropropane	1	0.0044	U
78-93-3	2-Butanone	1	0.0044	U
95-49-8	2-Chlorotoluene	1	0.0044	U
591-78-6	2-Hexanone	1	0.0044	U
106-43-4	4-Chlorotoluene	1	0.0044	U
108-10-1	4-Methyl-2-pentanone	1	0.0044	U
67-64-1	Acetone	1	0.0089	U
107-02-8	Acrolein	1	0.0089	U
107-13-1	Acrylonitrile	1	0.0044	U
71-43-2	Benzene	1	0.0044	U
108-86-1	Bromobenzene	1	0.0044	U
74-97-5	Bromochloromethane	1	0.0044	U
75-27-4	Bromodichloromethane	1	0.0044	U
75-25-2	Bromoform	1	0.0044	U
74-83-9	Bromomethane	1	0.0044	U
75-15-0	Carbon disulfide	1	0.0044	U
56-23-5	Carbon tetrachloride	1	0.0044	U
108-90-7	Chlorobenzene	1	0.0044	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-32-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-06	File ID:	V11C018212.D
Sampled:	06/20/24 09:45	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 20:41
Solids:	94.40	Preparation:	EPA 5035A	Initial/Final:	5.96 g / 5 ml
Batch:	BF41581	Sequence: S4F2536		Calibration: SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0044	U
67-66-3	Chloroform	1	0.0044	U
74-87-3	Chloromethane	1	0.0044	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0044	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0044	U
110-82-7	Cyclohexane	1	0.0044	U
124-48-1	Dibromochloromethane	1	0.0044	U
74-95-3	Dibromomethane	1	0.0044	U
75-71-8	Dichlorodifluoromethane	1	0.0044	U
100-41-4	Ethyl Benzene	1	0.0044	U
87-68-3	Hexachlorobutadiene	1	0.0044	U
98-82-8	Isopropylbenzene	1	0.0044	U
79-20-9	Methyl acetate	1	0.0044	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0044	U
108-87-2	Methylcyclohexane	1	0.0044	U
75-09-2	Methylene chloride	1	0.0089	U
104-51-8	n-Butylbenzene	1	0.0044	U
103-65-1	n-Propylbenzene	1	0.0044	U
95-47-6	o-Xylene	1	0.0044	U
179601-23-1	p- & m- Xylenes	1	0.0089	U
99-87-6	p-Isopropyltoluene	1	0.0044	U
135-98-8	sec-Butylbenzene	1	0.0044	U
100-42-5	Styrene	1	0.0044	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0044	U
98-06-6	tert-Butylbenzene	1	0.0044	U
127-18-4	Tetrachloroethylene	1	0.0044	U
108-88-3	Toluene	1	0.0044	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0044	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0044	U
79-01-6	Trichloroethylene	1	0.0044	U
75-69-4	Trichlorofluoromethane	1	0.0044	U
108-05-4	Vinyl acetate	1	0.0044	U
75-01-4	Vinyl Chloride	1	0.0044	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.0	96.0	77 - 125	
SURR: Toluene-d8	50.0	49.3	98.6	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.5	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-32-3-4-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-07	File ID:	V11C018213.D
Sampled:	06/20/24 09:55	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:07
Solids:	82.93	Preparation:	EPA 5035A	Initial/Final:	6.52 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0046	U
71-55-6	1,1,1-Trichloroethane	1	0.0046	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0046	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0046	U
79-00-5	1,1,2-Trichloroethane	1	0.0046	U
75-34-3	1,1-Dichloroethane	1	0.0046	U
75-35-4	1,1-Dichloroethylene	1	0.0046	U
563-58-6	1,1-Dichloropropylene	1	0.0046	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0046	U
96-18-4	1,2,3-Trichloropropane	1	0.0046	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0046	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0046	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0046	U
106-93-4	1,2-Dibromoethane	1	0.0046	U
95-50-1	1,2-Dichlorobenzene	1	0.0046	U
107-06-2	1,2-Dichloroethane	1	0.0046	U
78-87-5	1,2-Dichloropropane	1	0.0046	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0046	U
541-73-1	1,3-Dichlorobenzene	1	0.0046	U
142-28-9	1,3-Dichloropropane	1	0.0046	U
106-46-7	1,4-Dichlorobenzene	1	0.0046	U
123-91-1	1,4-Dioxane	1	0.092	U
594-20-7	2,2-Dichloropropane	1	0.0046	U
78-93-3	2-Butanone	1	0.0046	U
95-49-8	2-Chlorotoluene	1	0.0046	U
591-78-6	2-Hexanone	1	0.0046	U
106-43-4	4-Chlorotoluene	1	0.0046	U
108-10-1	4-Methyl-2-pentanone	1	0.0046	U
67-64-1	Acetone	1	0.0091	✓ U
107-02-8	Acrolein	1	0.0092	U
107-13-1	Acrylonitrile	1	0.0046	U
71-43-2	Benzene	1	0.0046	U
108-86-1	Bromobenzene	1	0.0046	U
74-97-5	Bromochloromethane	1	0.0046	U
75-27-4	Bromodichloromethane	1	0.0046	U
75-25-2	Bromoform	1	0.0046	U
74-83-9	Bromomethane	1	0.0046	U
75-15-0	Carbon disulfide	1	0.0046	U
56-23-5	Carbon tetrachloride	1	0.0046	U
108-90-7	Chlorobenzene	1	0.0046	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-32-3-4-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-07	File ID:	V11C018213.D
Sampled:	06/20/24 09:55	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:07
Solids:	82.93	Preparation:	EPA 5035A	Initial/Final:	6.52 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0046	U
67-66-3	Chloroform	1	0.0046	U
74-87-3	Chloromethane	1	0.0046	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0046	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0046	U
110-82-7	Cyclohexane	1	0.0046	U
124-48-1	Dibromochloromethane	1	0.0046	U
74-95-3	Dibromomethane	1	0.0046	U
75-71-8	Dichlorodifluoromethane	1	0.0046	U
100-41-4	Ethyl Benzene	1	0.0046	U
87-68-3	Hexachlorobutadiene	1	0.0046	U
98-82-8	Isopropylbenzene	1	0.0046	U
79-20-9	Methyl acetate	1	0.0046	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0046	U
108-87-2	Methylcyclohexane	1	0.0046	U
75-09-2	Methylene chloride	1	0.0092	U
104-51-8	n-Butylbenzene	1	0.0046	U
103-65-1	n-Propylbenzene	1	0.0046	U
95-47-6	o-Xylene	1	0.0046	U
179601-23-1	p- & m- Xylenes	1	0.0092	U
99-87-6	p-Isopropyltoluene	1	0.0046	U
135-98-8	sec-Butylbenzene	1	0.0046	U
100-42-5	Styrene	1	0.0046	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0046	U
98-06-6	tert-Butylbenzene	1	0.0046	U
127-18-4	Tetrachloroethylene	1	0.0046	U
108-88-3	Toluene	1	0.0046	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0046	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0046	U
79-01-6	Trichloroethylene	1	0.0046	U
75-69-4	Trichlorofluoromethane	1	0.0046	U
108-05-4	Vinyl acetate	1	0.0046	U
75-01-4	Vinyl Chloride	1	0.0046	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.6	95.2	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.4	107	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-32-8-9-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-08	File ID:	V11C018214.D
Sampled:	06/20/24 10:05	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:33
Solids:	82.21	Preparation:	EPA 5035A	Initial/Final:	6.24 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.097	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.0097	U
107-02-8	Acrolein	1	0.0097	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-32-8-9-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-08	File ID:	V11C018214.D
Sampled:	06/20/24 10:05	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:33
Solids:	82.21	Preparation:	EPA 5035A	Initial/Final:	6.24 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
				Instrument:	VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0049	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0097	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0097	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
127-18-4	Tetrachloroethylene	1	0.0049	U
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.0049	U
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.6	97.1	77 - 125	
SURR: Toluene-d8	50.0	49.8	99.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.5	107	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MR 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-1-2-062024

9

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-09	File ID:	V11C018215.D
Sampled:	06/20/24 10:20	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:59
Solids:	85.39	Preparation:	EPA 5035A	Initial/Final:	6.48 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.090	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0045	U
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.0090	U
107-02-8	Acrolein	1	0.0090	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	U
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-09	File ID:	V11C018215.D
Sampled:	06/20/24 10:20	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 21:59
Solids:	85.39	Preparation:	EPA 5035A	Initial/Final:	6.48 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0090	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.0045	U
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0090	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.0045	U
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.033	
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.0	97.9	77 - 125	
SURR: Toluene-d8	50.0	49.7	99.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.2	106	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MAT 8/14/24

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-10	File ID:	V11C018216.D
Sampled:	06/20/24 10:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:25
Solids:	80.91	Preparation:	EPA 5035A	Initial/Final:	6.34 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0049	U
71-55-6	1,1,1-Trichloroethane	1	0.0049	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0049	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0049	U
79-00-5	1,1,2-Trichloroethane	1	0.0049	U
75-34-3	1,1-Dichloroethane	1	0.0049	U
75-35-4	1,1-Dichloroethylene	1	0.0049	U
563-58-6	1,1-Dichloropropylene	1	0.0049	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0049	U
96-18-4	1,2,3-Trichloropropane	1	0.0049	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0049	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0049	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0049	U
106-93-4	1,2-Dibromoethane	1	0.0049	U
95-50-1	1,2-Dichlorobenzene	1	0.0049	U
107-06-2	1,2-Dichloroethane	1	0.0049	U
78-87-5	1,2-Dichloropropane	1	0.0049	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0049	U
541-73-1	1,3-Dichlorobenzene	1	0.0049	U
142-28-9	1,3-Dichloropropane	1	0.0049	U
106-46-7	1,4-Dichlorobenzene	1	0.0049	U
123-91-1	1,4-Dioxane	1	0.097	U
594-20-7	2,2-Dichloropropane	1	0.0049	U
78-93-3	2-Butanone	1	0.0049	U
95-49-8	2-Chlorotoluene	1	0.0049	U
591-78-6	2-Hexanone	1	0.0049	U
106-43-4	4-Chlorotoluene	1	0.0049	U
108-10-1	4-Methyl-2-pentanone	1	0.0049	U
67-64-1	Acetone	1	0.020	U
107-02-8	Acrolein	1	0.0097	U
107-13-1	Acrylonitrile	1	0.0049	U
71-43-2	Benzene	1	0.0049	U
108-86-1	Bromobenzene	1	0.0049	U
74-97-5	Bromochloromethane	1	0.0049	U
75-27-4	Bromodichloromethane	1	0.0049	U
75-25-2	Bromoform	1	0.0049	U
74-83-9	Bromomethane	1	0.0049	U
75-15-0	Carbon disulfide	1	0.0049	U
56-23-5	Carbon tetrachloride	1	0.0049	U
108-90-7	Chlorobenzene	1	0.0049	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-10	File ID:	V11C018216.D
Sampled:	06/20/24 10:30	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:25
Solids:	80.91	Preparation:	EPA 5035A	Initial/Final:	6.34 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0049	U
67-66-3	Chloroform	1	0.0049	U
74-87-3	Chloromethane	1	0.0049	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0049	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0049	U
110-82-7	Cyclohexane	1	0.0049	U
124-48-1	Dibromochloromethane	1	0.0049	U
74-95-3	Dibromomethane	1	0.0049	U
75-71-8	Dichlorodifluoromethane	1	0.0049	U
100-41-4	Ethyl Benzene	1	0.0049	U
87-68-3	Hexachlorobutadiene	1	0.0049	U
98-82-8	Isopropylbenzene	1	0.0049	U
79-20-9	Methyl acetate	1	0.0049	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0049	U
108-87-2	Methylcyclohexane	1	0.0049	U
75-09-2	Methylene chloride	1	0.0097	U
104-51-8	n-Butylbenzene	1	0.0049	U
103-65-1	n-Propylbenzene	1	0.0049	U
95-47-6	o-Xylene	1	0.0049	U
179601-23-1	p- & m- Xylenes	1	0.0097	U
99-87-6	p-Isopropyltoluene	1	0.0049	U
135-98-8	sec-Butylbenzene	1	0.0049	U
100-42-5	Styrene	1	0.0049	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0049	U
98-06-6	tert-Butylbenzene	1	0.0049	U
127-18-4	Tetrachloroethylene	1	0.019	
108-88-3	Toluene	1	0.0049	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0049	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0049	U
79-01-6	Trichloroethylene	1	0.0049	U
75-69-4	Trichlorofluoromethane	1	0.0049	U
108-05-4	Vinyl acetate	1	0.0049	U
75-01-4	Vinyl Chloride	1	0.0049	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.3	94.7	77 - 125	
SURR: Toluene-d8	50.0	48.6	97.3	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.7	103	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-8-9-062024

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-11	File ID:	V11C018217.D
Sampled:	06/20/24 10:40	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:51
Solids:	78.95	Preparation:	EPA 5035A	Initial/Final:	6.53 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0048	U
71-55-6	1,1,1-Trichloroethane	1	0.0048	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0048	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0048	U
79-00-5	1,1,2-Trichloroethane	1	0.0048	U
75-34-3	1,1-Dichloroethane	1	0.0048	U
75-35-4	1,1-Dichloroethylene	1	0.0048	U
563-58-6	1,1-Dichloropropylene	1	0.0048	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0048	U
96-18-4	1,2,3-Trichloropropane	1	0.0048	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0048	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0048	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0048	U
106-93-4	1,2-Dibromoethane	1	0.0048	U
95-50-1	1,2-Dichlorobenzene	1	0.0048	U
107-06-2	1,2-Dichloroethane	1	0.0048	U
78-87-5	1,2-Dichloropropane	1	0.0048	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0048	U
541-73-1	1,3-Dichlorobenzene	1	0.0048	U
142-28-9	1,3-Dichloropropane	1	0.0048	U
106-46-7	1,4-Dichlorobenzene	1	0.0048	U
123-91-1	1,4-Dioxane	1	0.097	U
594-20-7	2,2-Dichloropropane	1	0.0048	U
78-93-3	2-Butanone	1	0.020	J
95-49-8	2-Chlorotoluene	1	0.0048	U
591-78-6	2-Hexanone	1	0.0048	U
106-43-4	4-Chlorotoluene	1	0.0048	U
108-10-1	4-Methyl-2-pentanone	1	0.0048	U
67-64-1	Acetone	1	0.067	J
107-02-8	Acrolein	1	0.0097	U
107-13-1	Acrylonitrile	1	0.0048	U
71-43-2	Benzene	1	0.0048	U
108-86-1	Bromobenzene	1	0.0048	U
74-97-5	Bromochloromethane	1	0.0048	U
75-27-4	Bromodichloromethane	1	0.0048	U
75-25-2	Bromoform	1	0.0048	U
74-83-9	Bromomethane	1	0.0048	U
75-15-0	Carbon disulfide	1	0.0048	U
56-23-5	Carbon tetrachloride	1	0.0048	U
108-90-7	Chlorobenzene	1	0.0035	J

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-8-9-062024

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-11	File ID:	V11C018217.D
Sampled:	06/20/24 10:40	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 22:51
Solids:	78.95	Preparation:	EPA 5035A	Initial/Final:	6.53 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0048	U
67-66-3	Chloroform	1	0.0048	U
74-87-3	Chloromethane	1	0.0048	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0048	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0048	U
110-82-7	Cyclohexane	1	0.0048	U
124-48-1	Dibromochloromethane	1	0.0048	U
74-95-3	Dibromomethane	1	0.0048	U
75-71-8	Dichlorodifluoromethane	1	0.0048	U
100-41-4	Ethyl Benzene	1	0.0048	U
87-68-3	Hexachlorobutadiene	1	0.0048	U
98-82-8	Isopropylbenzene	1	0.0048	U
79-20-9	Methyl acetate	1	0.0048	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0048	U
108-87-2	Methylcyclohexane	1	0.0034	J
75-09-2	Methylene chloride	1	0.0097	U
104-51-8	n-Butylbenzene	1	0.067	J
103-65-1	n-Propylbenzene	1	0.011	J
95-47-6	o-Xylene	1	0.0048	U
179601-23-1	p- & m- Xylenes	1	0.0097	U
99-87-6	p-Isopropyltoluene	1	0.0056	J
135-98-8	sec-Butylbenzene	1	0.052	J
100-42-5	Styrene	1	0.0048	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0048	U
98-06-6	tert-Butylbenzene	1	0.0048	U
127-18-4	Tetrachloroethylene	1	0.0097	J
108-88-3	Toluene	1	0.0048	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0048	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0048	U
79-01-6	Trichloroethylene	1	0.0075	J
75-69-4	Trichlorofluoromethane	1	0.0048	U
108-05-4	Vinyl acetate	1	0.0048	U
75-01-4	Vinyl Chloride	1	0.0048	U
1330-20-7	Xylenes, Total	1	0.015	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.2	96.4	77 - 125	
SURR: Toluene-d8	50.0	52.6	105	85 - 120	
SURR: p-Bromofluorobenzene	50.0	156	313	76 - 130	✓

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-12-13-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-12	File ID:	V11C018218.D
Sampled:	06/20/24 10:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 23:17
Solids:	79.81	Preparation:	EPA 5035A	Initial/Final:	6.02 g / 5 ml
Batch:	BF41581	Sequence: S4F2536	Calibration:	SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0052	U
71-55-6	1,1,1-Trichloroethane	1	0.0052	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0052	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0052	U
79-00-5	1,1,2-Trichloroethane	1	0.0052	U
75-34-3	1,1-Dichloroethane	1	0.0052	U
75-35-4	1,1-Dichloroethylene	1	0.0052	U
563-58-6	1,1-Dichloropropylene	1	0.0052	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0052	U
96-18-4	1,2,3-Trichloropropane	1	0.0052	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0052	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0052	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0052	U
106-93-4	1,2-Dibromoethane	1	0.0052	U
95-50-1	1,2-Dichlorobenzene	1	0.0052	U
107-06-2	1,2-Dichloroethane	1	0.0052	U
78-87-5	1,2-Dichloropropane	1	0.0052	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0052	U
541-73-1	1,3-Dichlorobenzene	1	0.0052	U
142-28-9	1,3-Dichloropropane	1	0.0052	U
106-46-7	1,4-Dichlorobenzene	1	0.0052	U
123-91-1	1,4-Dioxane	1	0.10	U
594-20-7	2,2-Dichloropropane	1	0.0052	U
78-93-3	2-Butanone	1	0.013	
95-49-8	2-Chlorotoluene	1	0.0052	U
591-78-6	2-Hexanone	1	0.0052	U
106-43-4	4-Chlorotoluene	1	0.0052	U
108-10-1	4-Methyl-2-pentanone	1	0.0052	U
67-64-1	Acetone	1	0.031	
107-02-8	Acrolein	1	0.010	U
107-13-1	Acrylonitrile	1	0.0052	U
71-43-2	Benzene	1	0.0052	U
108-86-1	Bromobenzene	1	0.0052	U
74-97-5	Bromochloromethane	1	0.0052	U
75-27-4	Bromodichloromethane	1	0.0052	U
75-25-2	Bromoform	1	0.0052	U
74-83-9	Bromomethane	1	0.0052	U
75-15-0	Carbon disulfide	1	0.0052	U
56-23-5	Carbon tetrachloride	1	0.0052	U
108-90-7	Chlorobenzene	1	0.0052	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-26-12-13-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-12	File ID:	V11C018218.D
Sampled:	06/20/24 10:50	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 23:17
Solids:	79.81	Preparation:	EPA 5035A	Initial/Final:	6.02 g / 5 ml
Batch:	BF41581	Sequence: S4F2536		Calibration: SF40006	Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0052	U
67-66-3	Chloroform	1	0.0052	U
74-87-3	Chloromethane	1	0.0052	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0052	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0052	U
110-82-7	Cyclohexane	1	0.0052	U
124-48-1	Dibromochloromethane	1	0.0052	U
74-95-3	Dibromomethane	1	0.0052	U
75-71-8	Dichlorodifluoromethane	1	0.0052	U
100-41-4	Ethyl Benzene	1	0.0052	U
87-68-3	Hexachlorobutadiene	1	0.0052	U
98-82-8	Isopropylbenzene	1	0.0055	
79-20-9	Methyl acetate	1	0.0052	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0052	U
108-87-2	Methylcyclohexane	1	0.0093	
75-09-2	Methylene chloride	1	0.010	U
104-51-8	n-Butylbenzene	1	0.018	
103-65-1	n-Propylbenzene	1	0.0067	
95-47-6	o-Xylene	1	0.0052	U
179601-23-1	p- & m- Xylenes	1	0.010	U
99-87-6	p-Isopropyltoluene	1	0.0052	U
135-98-8	sec-Butylbenzene	1	0.026	
100-42-5	Styrene	1	0.0052	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0052	U
98-06-6	tert-Butylbenzene	1	0.0052	U
127-18-4	Tetrachloroethylene	1	0.0076	
108-88-3	Toluene	1	0.0052	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0052	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0052	U
79-01-6	Trichloroethylene	1	0.0052	U
75-69-4	Trichlorofluoromethane	1	0.0052	U
108-05-4	Vinyl acetate	1	0.0052	U
75-01-4	Vinyl Chloride	1	0.0052	U
1330-20-7	Xylenes, Total	1	0.016	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.1	96.3	77 - 125	
SURR: Toluene-d8	50.0	52.7	105	85 - 120	
SURR: p-Bromofluorobenzene	50.0	64.8	130	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-04-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1449-13	File ID:	V749973.D
Sampled:	06/20/24 11:30	Prepared:	06/24/24 08:00	Analyzed:	06/24/24 14:28
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41548	Sequence:	S4F2517	Calibration:	SF40026
Instrument:	MSVOA7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	~~U~~ UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.00	U
107-02-8	Acrolein	1	0.500	U
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	1.10	
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	~~U~~ UJ
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	11.9	
74-87-3	Chloromethane	1	0.500	~~U~~ UJ
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

EB-04-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1449-13	File ID:	V749973.D
Sampled:	06/20/24 11:30	Prepared:	06/24/24 08:00	Analyzed:	06/24/24 14:28
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41548	Sequence:	S4F2517	Calibration:	SF40026 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	U
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	✓ U5
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	✓ U5
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	U
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
SURR: Toluene-d8	10.0	9.99	99.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.2	102	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	322046	6.087	417329	6.087	
ISTD: Chlorobenzene-d5	1247494	9.129	1854534	9.129	
ISTD: 1,2-Dichlorobenzene-d4	437868	12.122	557193	12.122	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIPBLANK-062024

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1449-14	File ID:	V749969.D
Sampled:	06/20/24 11:30	Prepared:	06/24/24 08:00	Analyzed:	06/24/24 12:33
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41548	Sequence: S4F2517		Calibration: SF40026	Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U VS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500	U
106-93-4	1,2-Dibromoethane	1	0.500	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0	U
78-93-3	2-Butanone	1	0.500	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.47	
107-02-8	Acrolein	1	0.500	U
107-13-1	Acrylonitrile	1	0.500	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.500	U
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500	U VS
75-15-0	Carbon disulfide	1	0.500	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	0.500	U
74-87-3	Chloromethane	1	0.500	U VS
156-59-2	cis-1,2-Dichloroethylene	1	0.500	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.500	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260D

TRIPBLANK-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1449-14	File ID:	V749969.D
Sampled:	06/20/24 11:30	Prepared:	06/24/24 08:00	Analyzed:	06/24/24 12:33
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BF41548	Sequence: S4F2517		Calibration:	SF40026 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500	U
124-48-1	Dibromochloromethane	1	0.500	U
74-95-3	Dibromomethane	1	0.500	U
75-71-8	Dichlorodifluoromethane	1	0.500	U
100-41-4	Ethyl Benzene	1	0.500	U
87-68-3	Hexachlorobutadiene	1	0.500	U
98-82-8	Isopropylbenzene	1	0.500	U VS
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U VS
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00	U
98-06-6	tert-Butylbenzene	1	0.500	U
127-18-4	Tetrachloroethylene	1	0.500	U
108-88-3	Toluene	1	0.500	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.500	U
75-69-4	Trichlorofluoromethane	1	0.500	U
75-01-4	Vinyl Chloride	1	0.500	U
1330-20-7	Xylenes, Total	1	1.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
SURR: Toluene-d8	10.0	10.1	101	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.2	102	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	320492	6.087	417329	6.087	
ISTD: Chlorobenzene-d5	1245043	9.129	1854534	9.129	
ISTD: 1,2-Dichlorobenzene-d4	426819	12.128	557193	12.122	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-29-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-15	File ID:	V11C018219.D
Sampled:	06/20/24 11:45	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 23:43
Solids:	90.79	Preparation:	EPA 5035A	Initial/Final:	6.16 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0045	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0045	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0045	U
79-00-5	1,1,2-Trichloroethane	1	0.0045	U
75-34-3	1,1-Dichloroethane	1	0.0045	U
75-35-4	1,1-Dichloroethylene	1	0.0045	U
563-58-6	1,1-Dichloropropylene	1	0.0045	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0045	U
96-18-4	1,2,3-Trichloropropane	1	0.0045	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0045	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0045	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0045	U
106-93-4	1,2-Dibromoethane	1	0.0045	U
95-50-1	1,2-Dichlorobenzene	1	0.0045	U
107-06-2	1,2-Dichloroethane	1	0.0045	U
78-87-5	1,2-Dichloropropane	1	0.0045	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0045	U
541-73-1	1,3-Dichlorobenzene	1	0.0045	U
142-28-9	1,3-Dichloropropane	1	0.0045	U
106-46-7	1,4-Dichlorobenzene	1	0.0045	U
123-91-1	1,4-Dioxane	1	0.089	U
594-20-7	2,2-Dichloropropane	1	0.0045	U
78-93-3	2-Butanone	1	0.0045	U
95-49-8	2-Chlorotoluene	1	0.0045	U
591-78-6	2-Hexanone	1	0.0045	U
106-43-4	4-Chlorotoluene	1	0.0045	U
108-10-1	4-Methyl-2-pentanone	1	0.0045	U
67-64-1	Acetone	1	0.0089	U
107-02-8	Acrolein	1	0.0089	U
107-13-1	Acrylonitrile	1	0.0045	U
71-43-2	Benzene	1	0.0045	U
108-86-1	Bromobenzene	1	0.0045	U
74-97-5	Bromochloromethane	1	0.0045	U
75-27-4	Bromodichloromethane	1	0.0045	U
75-25-2	Bromoform	1	0.0045	U
74-83-9	Bromomethane	1	0.0045	U
75-15-0	Carbon disulfide	1	0.0045	U
56-23-5	Carbon tetrachloride	1	0.0045	U
108-90-7	Chlorobenzene	1	0.0045	U

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-29-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-15	File ID:	V11C018219.D
Sampled:	06/20/24 11:45	Prepared:	06/24/24 12:30	Analyzed:	06/24/24 23:43
Solids:	90.79	Preparation:	EPA 5035A	Initial/Final:	6.16 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0045	U
67-66-3	Chloroform	1	0.0045	U
74-87-3	Chloromethane	1	0.0045	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0045	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0045	U
110-82-7	Cyclohexane	1	0.0045	U
124-48-1	Dibromochloromethane	1	0.0045	U
74-95-3	Dibromomethane	1	0.0045	U
75-71-8	Dichlorodifluoromethane	1	0.0045	U
100-41-4	Ethyl Benzene	1	0.0045	U
87-68-3	Hexachlorobutadiene	1	0.0045	U
98-82-8	Isopropylbenzene	1	0.0045	U
79-20-9	Methyl acetate	1	0.0045	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0045	U
108-87-2	Methylcyclohexane	1	0.0045	U
75-09-2	Methylene chloride	1	0.0089	U
104-51-8	n-Butylbenzene	1	0.0045	U
103-65-1	n-Propylbenzene	1	0.0045	U
95-47-6	o-Xylene	1	0.0045	U
179601-23-1	p- & m- Xylenes	1	0.0089	U
99-87-6	p-Isopropyltoluene	1	0.0045	U
135-98-8	sec-Butylbenzene	1	0.0045	U
100-42-5	Styrene	1	0.0045	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0045	U
98-06-6	tert-Butylbenzene	1	0.0045	U
127-18-4	Tetrachloroethylene	1	0.0045	U
108-88-3	Toluene	1	0.0045	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0045	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0045	U
79-01-6	Trichloroethylene	1	0.0045	U
75-69-4	Trichlorofluoromethane	1	0.0045	U
108-05-4	Vinyl acetate	1	0.0045	U
75-01-4	Vinyl Chloride	1	0.0045	U
1330-20-7	Xylenes, Total	1	0.013	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.3	94.6	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	54.3	109	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-29-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-16	File ID:	V11C018220.D
Sampled:	06/20/24 11:55	Prepared:	06/24/24 12:30	Analyzed:	06/25/24 00:09
Solids:	84.40	Preparation:	EPA 5035A	Initial/Final:	6.33 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0047	U
71-55-6	1,1,1-Trichloroethane	1	0.0047	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0047	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0047	U
79-00-5	1,1,2-Trichloroethane	1	0.0047	U
75-34-3	1,1-Dichloroethane	1	0.0047	U
75-35-4	1,1-Dichloroethylene	1	0.0047	U
563-58-6	1,1-Dichloropropylene	1	0.0047	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0047	U
96-18-4	1,2,3-Trichloropropane	1	0.0047	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0047	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0047	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0047	U
106-93-4	1,2-Dibromoethane	1	0.0047	U
95-50-1	1,2-Dichlorobenzene	1	0.0047	U
107-06-2	1,2-Dichloroethane	1	0.0047	U
78-87-5	1,2-Dichloropropane	1	0.0047	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0047	U
541-73-1	1,3-Dichlorobenzene	1	0.0047	U
142-28-9	1,3-Dichloropropane	1	0.0047	U
106-46-7	1,4-Dichlorobenzene	1	0.0047	U
123-91-1	1,4-Dioxane	1	0.094	U
594-20-7	2,2-Dichloropropane	1	0.0047	U
78-93-3	2-Butanone	1	0.0047	U
95-49-8	2-Chlorotoluene	1	0.0047	U
591-78-6	2-Hexanone	1	0.0047	U
106-43-4	4-Chlorotoluene	1	0.0047	U
108-10-1	4-Methyl-2-pentanone	1	0.0047	U
67-64-1	Acetone	1	0.0094	U
107-02-8	Acrolein	1	0.0094	U
107-13-1	Acrylonitrile	1	0.0047	U
71-43-2	Benzene	1	0.0047	U
108-86-1	Bromobenzene	1	0.0047	U
74-97-5	Bromochloromethane	1	0.0047	U
75-27-4	Bromodichloromethane	1	0.0047	U
75-25-2	Bromoform	1	0.0047	U
74-83-9	Bromomethane	1	0.0047	U
75-15-0	Carbon disulfide	1	0.0047	U
56-23-5	Carbon tetrachloride	1	0.0047	U
108-90-7	Chlorobenzene	1	0.0047	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-29-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1449	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1449-16	File ID:	V11C018220.D
Sampled:	06/20/24 11:55	Prepared:	06/24/24 12:30	Analyzed:	06/25/24 00:09
Solids:	84.40	Preparation:	EPA 5035A	Initial/Final:	6.33 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006
Instrument:	VOA#11				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0047	U
67-66-3	Chloroform	1	0.0047	U
74-87-3	Chloromethane	1	0.0047	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0047	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0047	U
110-82-7	Cyclohexane	1	0.0047	U
124-48-1	Dibromochloromethane	1	0.0047	U
74-95-3	Dibromomethane	1	0.0047	U
75-71-8	Dichlorodifluoromethane	1	0.0047	U
100-41-4	Ethyl Benzene	1	0.0047	U
87-68-3	Hexachlorobutadiene	1	0.0047	U
98-82-8	Isopropylbenzene	1	0.0047	U
79-20-9	Methyl acetate	1	0.0047	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0047	U
108-87-2	Methylcyclohexane	1	0.0047	U
75-09-2	Methylene chloride	1	0.0094	U
104-51-8	n-Butylbenzene	1	0.0047	U
103-65-1	n-Propylbenzene	1	0.0047	U
95-47-6	o-Xylene	1	0.0047	U
179601-23-1	p- & m- Xylenes	1	0.0094	U
99-87-6	p-Isopropyltoluene	1	0.0047	U
135-98-8	sec-Butylbenzene	1	0.0047	U
100-42-5	Styrene	1	0.0047	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0047	U
98-06-6	tert-Butylbenzene	1	0.0047	U
127-18-4	Tetrachloroethylene	1	0.0023	J
108-88-3	Toluene	1	0.0047	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0047	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0047	U
79-01-6	Trichloroethylene	1	0.0047	U
75-69-4	Trichlorofluoromethane	1	0.0047	U
108-05-4	Vinyl acetate	1	0.0047	U
75-01-4	Vinyl Chloride	1	0.0047	U
1330-20-7	Xylenes, Total	1	0.014	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.7	95.3	77 - 125	
SURR: Toluene-d8	50.0	49.9	99.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	55.6	111	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MM 8/14/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-29-7-8-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-17	File ID:	V11C018221.D
Sampled:	06/20/24 12:05	Prepared:	06/24/24 12:30	Analyzed:	06/25/24 00:35
Solids:	81.07	Preparation:	EPA 5035A	Initial/Final:	5.69 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0054	U
71-55-6	1,1,1-Trichloroethane	1	0.0054	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0054	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.0054	U
79-00-5	1,1,2-Trichloroethane	1	0.0054	U
75-34-3	1,1-Dichloroethane	1	0.0054	U
75-35-4	1,1-Dichloroethylene	1	0.0054	U
563-58-6	1,1-Dichloropropylene	1	0.0054	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0054	U
96-18-4	1,2,3-Trichloropropane	1	0.0054	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0054	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0054	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.0054	U
106-93-4	1,2-Dibromoethane	1	0.0054	U
95-50-1	1,2-Dichlorobenzene	1	0.0054	U
107-06-2	1,2-Dichloroethane	1	0.0054	U
78-87-5	1,2-Dichloropropane	1	0.0054	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0054	U
541-73-1	1,3-Dichlorobenzene	1	0.0054	U
142-28-9	1,3-Dichloropropane	1	0.0054	U
106-46-7	1,4-Dichlorobenzene	1	0.0054	U
123-91-1	1,4-Dioxane	1	0.11	U
594-20-7	2,2-Dichloropropane	1	0.0054	U
78-93-3	2-Butanone	1	0.0054	U
95-49-8	2-Chlorotoluene	1	0.0054	U
591-78-6	2-Hexanone	1	0.0054	U
106-43-4	4-Chlorotoluene	1	0.0054	U
108-10-1	4-Methyl-2-pentanone	1	0.0054	U
67-64-1	Acetone	1	0.011	U
107-02-8	Acrolein	1	0.011	U
107-13-1	Acrylonitrile	1	0.0054	U
71-43-2	Benzene	1	0.0054	U
108-86-1	Bromobenzene	1	0.0054	U
74-97-5	Bromochloromethane	1	0.0054	U
75-27-4	Bromodichloromethane	1	0.0054	U
75-25-2	Bromoform	1	0.0054	U
74-83-9	Bromomethane	1	0.0054	U
75-15-0	Carbon disulfide	1	0.0054	U
56-23-5	Carbon tetrachloride	1	0.0054	U
108-90-7	Chlorobenzene	1	0.0054	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

828109-BS-29-7-8-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1449
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1449-17	File ID:	V11C018221.D
Sampled:	06/20/24 12:05	Prepared:	06/24/24 12:30	Analyzed:	06/25/24 00:35
Solids:	81.07	Preparation:	EPA 5035A	Initial/Final:	5.69 g / 5 ml
Batch:	BF41581	Sequence:	S4F2536	Calibration:	SF40006 Instrument: VOA#11

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
75-00-3	Chloroethane	1	0.0054	U
67-66-3	Chloroform	1	0.0054	U
74-87-3	Chloromethane	1	0.0054	U
156-59-2	cis-1,2-Dichloroethylene	1	0.0054	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.0054	U
110-82-7	Cyclohexane	1	0.0054	U
124-48-1	Dibromochloromethane	1	0.0054	U
74-95-3	Dibromomethane	1	0.0054	U
75-71-8	Dichlorodifluoromethane	1	0.0054	U
100-41-4	Ethyl Benzene	1	0.0054	U
87-68-3	Hexachlorobutadiene	1	0.0054	U
98-82-8	Isopropylbenzene	1	0.0054	U
79-20-9	Methyl acetate	1	0.0054	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.0054	U
108-87-2	Methylcyclohexane	1	0.0054	U
75-09-2	Methylene chloride	1	0.011	U
104-51-8	n-Butylbenzene	1	0.0054	U
103-65-1	n-Propylbenzene	1	0.0054	U
95-47-6	o-Xylene	1	0.0054	U
179601-23-1	p- & m- Xylenes	1	0.011	U
99-87-6	p-Isopropyltoluene	1	0.0054	U
135-98-8	sec-Butylbenzene	1	0.0054	U
100-42-5	Styrene	1	0.0054	U
75-65-0	tert-Butyl alcohol (TBA)	1	0.0054	U
98-06-6	tert-Butylbenzene	1	0.0054	U
127-18-4	Tetrachloroethylene	1	0.0054	U
108-88-3	Toluene	1	0.0054	U
156-60-5	trans-1,2-Dichloroethylene	1	0.0054	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.0054	U
79-01-6	Trichloroethylene	1	0.0054	U
75-69-4	Trichlorofluoromethane	1	0.0054	U
108-05-4	Vinyl acetate	1	0.0054	U
75-01-4	Vinyl Chloride	1	0.0054	U
1330-20-7	Xylenes, Total	1	0.016	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.4	94.8	77 - 125	
SURR: Toluene-d8	50.0	49.9	99.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	55.0	110	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q

MT 8/14/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
SPEEDY's CLEANERS, PITTSFORD, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 24F1460
Laboratory: York Analytical Laboratories, Stratford, Connecticut
Site: Speedy's Cleaners, Pittsford, New York
Date: August 15, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	828109-BS-31-1-2-062024	24F1460-01	Soil
2	828109-BS-32-3-4-062024	24F1460-02	Soil
3	828109-BS-26-8-9-062024	24F1460-03	Soil
4	EB-04-062024	24F1460-04	Water
5	828109-BS-29-4-5-062024	24F1460-05	Soil
5MS	828109-BS-29-4-5-062024MS	24F1460-05MS	Soil
5MSD	828109-BS-29-4-5-062024MSD	24F1460-05MSD	Soil
6	828109-BS-905-4-5-062024	24F1460-06	Soil
7	828109-AQW-062024	24F1460-07	Water
8	828109-SOW-062024	24F1460-08	Soil

A Data Usability Summary Review (DUSR) was performed on the analytical data for six soil samples, one water sample, and one aqueous equipment blank sample collected on June 20, 2024 by CDM Smith at the Speedy's Cleaners site in Pittsford, New York. The samples were analyzed under the Analysis of Perfluoroalkyl Substances in Environmental Samples by Liquid Chromatography and Tandem Mass Spectrometry (LC-MS/MS).

Specific method references are as follows:

Analysis	*Method References*
PFAS	USEPA Method 1633

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

PFAS

- Data Completeness
- Holding times and sample preservation
- Liquid Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were minor rejections of data. This data cannot be used in the decision-making process for this project.

- Several compounds were rejected (R) due to severely low surrogate recoveries.

The remaining data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Perfluorinated Alkyl Substances (PFAS)

Holding Times

- All holding time criteria were met.
- The cooler temperature was received at 9.9°C. No action was taken.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients criteria were met.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent difference (%D) except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
7/8/24 (1342)	FHpPA	39.0%	UJ	7
	FPePA	36.2%		
	FPrPA	33.2%		

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
EB-04-062024	PFBA	0.511	None	ND

Surrogate Spike Recoveries

- Several surrogates recovered outside of QC limits. See summary forms for details.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
5	PFmPA	9.98%/13.4%/OK	UJ
	N-EtFOSA	OK/OK/40.8%	None for RPD only

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- EDS sample 7 was analyzed at a 10X dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was taken.

Field Duplicate Sample Precision

- Field duplicate samples are summarized below. The precision was acceptable.

Compound	828109-BS-29-4-5-062024 ug/kg	828109-BS-905-4-5-062024 ug/kg	RPD	Qualifier
PFHxA	0.0606	ND	NC	None
PFOS	0.712	0.306	80%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/15/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-31-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-01	File ID:	QQQ41086.d
Sampled:	06/20/24 07:30	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 00:45
Solids:	83.54	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF42007	Sequence: S4G0130	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.210	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.0929	J
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.238	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.217	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.238	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.56	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.238	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.432	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.238	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.238	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.238	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.238	U
2355-31-9	N-MeFOSAA	1	0.238	U
2991-50-6	N-EtFOSAA	1	0.238	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.141	J
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.238	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.238	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.229	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.903	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.912	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.950	U R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.423	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.475	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.475	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.475	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.223	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.891	U
13252-13-6	HFPO-DA (Gen-X)	1	0.950	U
763051-92-9	11CL-PF3OUdS	1	0.898	U
756426-58-1	9CL-PF3ONS	1	0.888	U
919005-14-4	ADONA	1	0.898	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.230	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.228	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.19	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.94	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.94	U
24448-09-7	N-MeFOSE	1	2.38	U
31506-32-8	N-MeFOSA	1	0.238	U
1691-99-2	N-EtFOSE	1	2.38	U
4151-50-2	N-EtFOSA	1	0.238	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-31-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-01	File ID:	QQQ41086.d
Sampled:	06/20/24 07:30	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 00:45
Solids:	83.54	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
				Instrument:	LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.77	3.19	115	25 - 150	
M5PFHxA	2.97	3.10	104	25 - 150	
M4PFHpA	2.97	3.08	104	25 - 150	
M3PFHxS	2.81	3.16	112	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.97	3.30	111	25 - 150	
M6PFDA	1.48	1.50	101	25 - 150	
M7PFUdA	1.48	1.48	99.9	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.48	1.23	83.1	25 - 150	
M2PFTeDA	1.48	1.13	75.9	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.9	0.952	8.01	25 - 150	✓R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.84	2.68	94.3	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.94	5.93	99.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.97	2.62	88.1	10 - 150	
d3-N-MeFOSAA	5.94	5.10	85.8	25 - 150	
d5-N-EtFOSAA	5.94	5.06	85.2	25 - 150	
M2-6:2 FTS	5.65	4.09	72.4	25 - 200	
M2-8:2 FTS	5.70	4.91	86.1	25 - 200	
M9PFNA	1.48	1.47	99.2	25 - 150	
M2-4:2 FTS	5.57	3.43	61.7	25 - 150	
d-N-MeFOSA	2.97	1.68	56.5	25 - 150	
d-N-EtFOSA	2.97	1.63	54.8	25 - 150	
M3HFPO-DA	11.9	14.1	119	25 - 150	
d9-N-EtFOSE	29.7	17.6	59.3	25 - 150	
d7-N-MeFOSE	29.7	20.9	70.4	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	22385.88	1.280533	40847.03	1.31725	
MPFDA	8508.701	8.970134	15913.37	8.970134	
MPFHxA	31902.84	6.317234	52896.22	6.307983	
MPFHxS	3475.771	7.298067	5916.218	7.279067	
MPFNA	19083.24	8.47895	27519.15	8.469684	
MPFOA	41875.68	7.894516	65715.44	7.87595	
MPFOS	9624.006	8.514633	15605.02	8.505067	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5162.308	8.478534	7105.792	8.469267	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	33447.89	7.894134	49984.22	7.875566	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	95467.8	4.727883	169935.2	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	9082.917	1.287417	206145	1.314967	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9739.36	9.791866	15382.71	9.791866	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-31-1-2-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-01	File ID:	QQQ41086.d
Sampled:	06/20/24 07:30	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 00:45
Solids:	83.54	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4287.217	8.51405	7439.233	8.50445	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	9222.285	9.4905	13592.32	9.472	
M7PFUdA-EIS	14162.38	9.40395	25931	9.3947	
M6PFDA-EIS	12919.84	8.9697	21310.78	8.9697	
M5PFHxA-EIS	53524.23	6.316367	86076.66	6.3071	
M4PFHpA-EIS	13784.48	7.188483	21866.56	7.169983	
M3PFHxS-EIS	11336.52	7.298483	18267.05	7.27955	
M3PFBS-EIS	16571.56	5.491933	26151.41	5.491933	
M3-HFPO-DA-EIS	41554.4	6.6243	62694.32	6.61505	
M2PFTeDA-EIS	3304.983	10.40523	6515.831	10.40523	
M2-8-2FTS-EIS	28846.51	8.939917	57003.89	8.930634	
M2-6-2FTS-EIS	15403.52	7.8284	26318.5	7.809834	
M2-4-2FTS-EIS	14478.74	6.241117	23177.1	6.231867	
d9-NEtFOSE-EIS	1919.475	10.47278	4103.893	10.46358	
d7-NMeFOSE-EIS	5653.101	10.23437	11625.34	10.22515	
d5-NEtFOSA-EIS	302.1178	10.51218	603.7692	10.50298	
d5-N-EtFOSAA-EIS	14882.07	9.38425	23662.03	9.38425	
d3-NMeFOSA-EIS	611.9534	10.26555	1195.25	10.25635	
d3-N-MeFOSAA-EIS	17850.32	9.161817	27253.86	9.161817	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-32-3-4-062024

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-02	File ID:	QQQ41087.d
Sampled:	06/20/24 09:55	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:01
Solids:	83.66	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019

Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.210	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.237	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.237	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.217	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.237	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.221	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.237	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.237	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.237	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.237	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.237	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.237	U
2355-31-9	N-MeFOSAA	1	0.237	U
2991-50-6	N-EtFOSAA	1	0.237	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.474	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.237	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.237	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.229	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.901	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.911	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.949	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.422	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.474	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.474	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.474	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.223	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.889	U
13252-13-6	HFPO-DA (Gen-X)	1	0.949	U
763051-92-9	11CL-PF3OUdS	1	0.896	U
756426-58-1	9CL-PF3ONS	1	0.887	U
919005-14-4	ADONA	1	0.896	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.230	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.228	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.19	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.93	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.93	U
24448-09-7	N-MeFOSE	1	2.37	U
31506-32-8	N-MeFOSA	1	0.237	U
1691-99-2	N-EtFOSE	1	2.37	U
4151-50-2	N-EtFOSA	1	0.237	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-32-3-4-062024

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-02	File ID:	QQQ41087.d
Sampled:	06/20/24 09:55	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:01
Solids:	83.66	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF42007	Sequence: S4G0130	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.76	2.93	106	25 - 150	
M5PFHxA	2.96	2.98	100	25 - 150	
M4PFHpA	2.96	3.17	107	25 - 150	
M3PFHxS	2.81	3.18	113	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.96	3.36	113	25 - 150	
M6PFDA	1.48	1.57	106	25 - 150	
M7PFUdA	1.48	1.49	100	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.48	1.17	78.9	25 - 150	
M2PFTeDA	1.48	1.07	72.4	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.9	9.61	81.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.84	3.19	112	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.93	6.45	109	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.96	2.77	93.4	10 - 150	
d3-N-MeFOSAA	5.93	5.88	99.2	25 - 150	
d5-N-EtFOSAA	5.93	5.97	101	25 - 150	
M2-6:2 FTS	5.64	3.71	65.7	25 - 200	
M2-8:2 FTS	5.69	4.98	87.5	25 - 200	
M9PFNA	1.48	1.74	118	25 - 150	
M2-4:2 FTS	5.56	3.22	57.8	25 - 150	
d-N-MeFOSA	2.96	2.05	69.1	25 - 150	
d-N-EtFOSA	2.96	1.76	59.2	25 - 150	
M3HFPO-DA	11.9	12.6	106	25 - 150	
d9-N-EtFOSE	29.6	20.0	67.3	25 - 150	
d7-N-MeFOSE	29.6	24.5	82.7	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	24140.09	1.271367	40847.03	1.31725	
MPFDA	9716.668	8.970134	15913.37	8.970134	
MPFHxA	32338.15	6.317234	52896.22	6.307983	
MPFHxS	3824.693	7.298067	5916.218	7.279067	
MPFNA	16865.42	8.47895	27519.15	8.469684	
MPFOA	39149.06	7.885233	65715.44	7.87595	
MPFOS	9444.838	8.514633	15605.02	8.505067	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5407.137	8.478534	7105.792	8.469267	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	31892.22	7.88485	49984.22	7.875566	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	105363.4	4.718	169935.2	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	99024.73	1.269067	206145	1.314967	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	10547.85	9.791866	15382.71	9.791866	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-32-3-4-062024

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-02	File ID:	QQQ41087.d
Sampled:	06/20/24 09:55	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:01
Solids:	83.66	Preparation:	EPA 1633 Prep	Initial/Final:	5.04 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5023.291	8.51405	7439.233	8.50445	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	9593.164	9.4905	13592.32	9.472	
M7PFUdA-EIS	16214.57	9.40395	25931	9.3947	
M6PFDA-EIS	15495.71	8.9697	21310.78	8.9697	
M5PFHxA-EIS	52201.04	6.316367	86076.66	6.3071	
M4PFHpA-EIS	14429.18	7.188483	21866.56	7.169983	
M3PFHxS-EIS	12563.39	7.298483	18267.05	7.27955	
M3PFBS-EIS	16799.57	5.491933	26151.41	5.491933	
M3-HFPO-DA-EIS	37507.44	6.6243	62694.32	6.61505	
M2PFTeDA-EIS	3602.122	10.40523	6515.831	10.40523	
M2-8-2FTS-EIS	32254.53	8.939917	57003.89	8.930634	
M2-6-2FTS-EIS	15380.95	7.8284	26318.5	7.809834	
M2-4-2FTS-EIS	14938.47	6.241117	23177.1	6.231867	
d9-NEtFOSE-EIS	2135.527	10.482	4103.893	10.46358	
d7-NMeFOSE-EIS	6544.883	10.24358	11625.34	10.22515	
d5-NEtFOSA-EIS	321.9249	10.51218	603.7692	10.50298	
d5-N-EtFOSAA-EIS	17259.25	9.38425	23662.03	9.38425	
d3-NMeFOSA-EIS	734.9242	10.26555	1195.25	10.25635	
d3-N-MeFOSAA-EIS	20265.69	9.161817	27253.86	9.161817	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-26-8-9-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-03	File ID:	QQQ41088.d
Sampled:	06/20/24 10:40	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:17
Solids:	78.17	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF42007	Sequence: S4G0130	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.224	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.253	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.253	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.232	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.253	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.93	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.253	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.253	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.253	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.253	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.253	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.253	U
2355-31-9	N-MeFOSAA	1	0.253	U
2991-50-6	N-EtFOSAA	1	0.253	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.507	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.253	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.253	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.244	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.963	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.973	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	1.01	J R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.451	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.507	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.507	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.507	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.238	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.950	U
13252-13-6	HFPO-DA (Gen-X)	1	1.01	U
763051-92-9	11CL-PF3OUdS	1	0.958	U
756426-58-1	9CL-PF3ONS	1	0.947	U
919005-14-4	ADONA	1	0.958	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.246	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.243	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.27	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	6.33	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	6.33	U
24448-09-7	N-MeFOSE	1	2.53	U
31506-32-8	N-MeFOSA	1	0.253	U
1691-99-2	N-EtFOSE	1	2.53	U
4151-50-2	N-EtFOSA	1	0.253	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-26-8-9-062024

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-03	File ID:	QQQ41088.d
Sampled:	06/20/24 10:40	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:17
Solids:	78.17	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.95	3.18	108	25 - 150	
M5PFHxA	3.17	3.42	108	25 - 150	
M4PFHpA	3.17	3.61	114	25 - 150	
M3PFHxS	3.00	3.28	109	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.17	3.51	111	25 - 150	
M6PFDA	1.58	1.42	89.9	25 - 150	
M7PFUdA	1.58	1.49	94.1	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.58	1.46	92.2	25 - 150	
M2PFTeDA	1.58	1.16	73.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.7	1.08	8.54	25 - 150	JR
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.03	3.47	114	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	6.33	6.16	97.3	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.17	2.78	87.6	10 - 150	
d3-N-MeFOSAA	6.33	6.15	97.0	25 - 150	
d5-N-EtFOSAA	6.33	5.97	94.2	25 - 150	
M2-6:2 FTS	6.02	5.19	86.1	25 - 200	
M2-8:2 FTS	6.08	6.95	114	25 - 200	
M9PFNA	1.58	1.97	124	25 - 150	
M2-4:2 FTS	5.94	4.67	78.5	25 - 150	
d-N-MeFOSA	3.17	2.26	71.3	25 - 150	
d-N-EtFOSA	3.17	2.64	83.4	25 - 150	
M3HFPO-DA	12.7	15.1	120	25 - 150	
d9-N-EtFOSE	31.7	26.4	83.4	25 - 150	
d7-N-MeFOSE	31.7	31.4	99.1	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	22754.21	1.271367	40847.03	1.31725	
MPFDA	10406.75	8.970134	15913.37	8.970134	
MPFHxA	31582.44	6.317234	52896.22	6.307983	
MPFHxS	3819.745	7.298067	5916.218	7.279067	
MPFNA	16454.5	8.47895	27519.15	8.469684	
MPFOA	42344.8	7.894516	65715.44	7.87595	
MPFOS	9219.667	8.514633	15605.02	8.505067	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5576.669	8.478534	7105.792	8.469267	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	33757.07	7.88485	49984.22	7.875566	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	92095.85	4.7088	169935.2	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	9838.428	1.269067	206145	1.314967	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	13214.3	9.791866	15382.71	9.791866	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-26-8-9-062024

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-03	File ID:	QQQ41088.d
Sampled:	06/20/24 10:40	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:17
Solids:	78.17	Preparation:	EPA 1633 Prep	Initial/Final:	5.05 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
				Instrument:	LCQQQ

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5009.063	8.51405	7439.233	8.50445	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8789.307	9.499766	13592.32	9.472	
M7PFUdA-EIS	16310.38	9.40395	25931	9.3947	
M6PFDA-EIS	14078.73	8.9697	21310.78	8.9697	
M5PFHxA-EIS	54773.17	6.316367	86076.66	6.3071	
M4PFHpA-EIS	15011.8	7.188483	21866.56	7.169983	
M3PFHxS-EIS	12120.19	7.298483	18267.05	7.27955	
M3PFBS-EIS	17035.7	5.491933	26151.41	5.491933	
M3-HFPO-DA-EIS	41235.63	6.6243	62694.32	6.61505	
M2PFTeDA-EIS	3889.136	10.40523	6515.831	10.40523	
M2-8-2FTS-EIS	42054.72	8.939917	57003.89	8.930634	
M2-6-2FTS-EIS	20126.11	7.8284	26318.5	7.809834	
M2-4-2FTS-EIS	20247.51	6.241117	23177.1	6.231867	
d9-NEtFOSE-EIS	2582.132	10.482	4103.893	10.46358	
d7-NMeFOSE-EIS	7608.236	10.24358	11625.34	10.22515	
d5-NEtFOSA-EIS	394.1095	10.5214	603.7692	10.50298	
d5-N-EtFOSAA-EIS	15777.62	9.38425	23662.03	9.38425	
d3-NMeFOSA-EIS	740.4822	10.26555	1195.25	10.25635	
d3-N-MeFOSAA-EIS	19347.57	9.161817	27253.86	9.161817	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1460-04RE1	File ID:	QQQ41193.d
Sampled:	06/20/24 11:30	Prepared:	06/29/24 14:30	Analyzed:	07/03/24 19:35
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	538.78 mL / 5 mL
Batch:	BG40157	Sequence:	S4G0401	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.64	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1.86	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.86	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.70	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	1.86	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1.73	U
375-95-1	Perfluorononanoic acid (PFNA)	1	1.86	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.86	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.86	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.86	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.86	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.86	U
2355-31-9	N-MeFOSAA	1	1.86	U
2991-50-6	N-EtFOSAA	1	1.86	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	3.71	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.86	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.77	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.79	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	7.05	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.13	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.511	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.30	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.71	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.71	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.71	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.74	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.96	U
13252-13-6	HFPO-DA (Gen-X)	1	7.42	U
763051-92-9	11CL-PF3OUdS	1	7.02	U
756426-58-1	9CL-PF3ONS	1	6.94	U
919005-14-4	ADONA	1	7.02	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.80	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.78	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.64	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	23.2	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	23.2	U
24448-09-7	N-MeFOSE	1	18.6	U
31506-32-8	N-MeFOSA	1	1.86	U
1691-99-2	N-EtFOSE	1	18.6	U
4151-50-2	N-EtFOSA	1	1.86	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1460-04RE1	File ID:	QQQ41193.d
Sampled:	06/20/24 11:30	Prepared:	06/29/24 14:30	Analyzed:	07/03/24 19:35
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	538.78 mL / 5 mL
Batch:	BG40157	Sequence:	S4G0401	Calibration:	SF40019	Instrument:	LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	21.6	27.8	129	25 - 150	
M5PFHxA	23.2	33.4	144	25 - 150	
M4PFHpA	23.2	30.2	130	25 - 150	
M3PFHxS	22.0	28.5	130	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.2	31.3	135	25 - 150	
M6PFDA	11.6	12.8	110	25 - 150	
M7PFUdA	11.6	14.8	128	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.6	11.5	99.4	25 - 150	
M2PFTeDA	11.6	8.06	69.5	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.8	3.18	3.42	25 - 150	J3
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.2	25.1	113	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.4	42.9	92.5	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.2	29.8	128	10 - 150	
d3-N-MeFOSAA	46.4	55.9	120	25 - 150	
d5-N-EtFOSAA	46.4	57.2	123	25 - 150	
M2-6:2 FTS	44.1	41.8	94.8	25 - 200	
M2-8:2 FTS	44.5	47.2	106	25 - 200	
M9PFNA	11.6	13.6	117	25 - 150	
M2-4:2 FTS	43.5	47.3	109	25 - 150	
d-N-MeFOSA	23.2	23.3	100	25 - 150	
d-N-EtFOSA	23.2	20.8	89.6	25 - 150	
M3HFPO-DA	92.8	138	149	25 - 150	
d9-N-EtFOSE	232	168	72.3	25 - 150	
d7-N-MeFOSE	232	192	82.5	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	18161.34	1.3448	25392.29	1.243817	
MPFDA	10052.77	9.04425	10807.97	9.016517	
MPFHxA	27729.06	6.3728	36291.4	6.335783	
MPFHxS	3803.898	7.335484	4475.649	7.307367	
MPFNA	17157.02	8.5162	20684.57	8.497534	
MPFOA	38485.74	7.922367	47175.6	7.89455	
MPFOS	10096.56	8.5517	12206.83	8.533216	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5487.861	8.5158	5375.8	8.497117	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	37342.56	7.921983	37504.29	7.894166	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	76815.2	4.783233	117783.3	4.6904	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	3148.547	1.3425	132508	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	13796.05	9.949433	12476.82	9.930367	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1460-04RE1	File ID:	QQQ41193.d
Sampled:	06/20/24 11:30	Prepared:	06/29/24 14:30	Analyzed:	07/03/24 19:35
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	538.78 mL / 5 mL
Batch:	BG40157	Sequence:	S4G0401	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	5421.244	8.551117	5718.777	8.532634	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	14094.02	9.620033	11584.35	9.6016	
M7PFUdA-EIS	21399.05	9.514983	17708.79	9.49655	
M6PFDA-EIS	16649.48	9.0438	15553.31	9.016084	
M5PFHxA-EIS	64142	6.371917	61530.58	6.3349	
M4PFHpA-EIS	15049.33	7.225483	14977.33	7.197767	
M3PFHxS-EIS	14321.56	7.3266	13809.53	7.298533	
M3PFBS-EIS	20256.92	5.557034	19724.01	5.501184	
M3-HFPO-DA-EIS	44999.61	6.670583	46631.68	6.633584	
M2PFTeDA-EIS	3576.807	10.63552	4625.398	10.61717	
M2-8-2FTS-EIS	38689.03	9.005867	42576.18	8.987416	
M2-6-2FTS-EIS	22062.41	7.865517	23595.19	7.837717	
M2-4-2FTS-EIS	27949.5	6.296967	29490.02	6.259666	
d9-NEtFOSE-EIS	2453.838	10.711	3649.056	10.67425	
d7-NMeFOSE-EIS	6974.314	10.4462	9123.225	10.40943	
d5-NEtFOSA-EIS	506.9772	10.7509	543.0352	10.72335	
d5-N-EtFOSAA-EIS	22586.06	9.50455	20223.82	9.47685	
d3-NMeFOSA-EIS	1132.747	10.47738	972.9869	10.44062	
d3-N-MeFOSAA-EIS	26303.57	9.254483	24544.46	9.22675	

* Values outside of QC limits

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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828109-BS-29-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-05	File ID:	QQQ41089.d
Sampled:	06/20/24 11:55	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:33
Solids:	87.85	Preparation:	EPA 1633 Prep	Initial/Final:	5.09 g / 5 mL
Batch:	BF42007	Sequence: S4G0130	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.198	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.0606	J
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.224	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.205	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.224	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.712	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.224	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.224	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.224	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.224	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.224	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.224	U
2355-31-9	N-MeFOSAA	1	0.224	U
2991-50-6	N-EtFOSAA	1	0.224	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.447	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.224	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.224	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.216	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.850	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.859	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.895	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.398	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.447	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.447	U VS
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.447	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.210	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.839	U
13252-13-6	HFPO-DA (Gen-X)	1	0.895	U
763051-92-9	11CL-PF3OUdS	1	0.845	U
756426-58-1	9CL-PF3ONS	1	0.836	U
919005-14-4	ADONA	1	0.845	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.217	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.215	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.12	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.59	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.59	U
24448-09-7	N-MeFOSE	1	2.24	U
31506-32-8	N-MeFOSA	1	0.224	U
1691-99-2	N-EtFOSE	1	2.24	U
4151-50-2	N-EtFOSA	1	0.224	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-29-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-05	File ID:	QQQ41089.d
Sampled:	06/20/24 11:55	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:33
Solids:	87.85	Preparation:	EPA 1633 Prep	Initial/Final:	5.09 g / 5 mL
Batch:	BF42007	Sequence: S4G0130	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.61	3.30	127	25 - 150	
M5PFHxA	2.80	3.19	114	25 - 150	
M4PFHpA	2.80	3.43	123	25 - 150	
M3PFHxS	2.65	3.36	127	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.80	3.31	118	25 - 150	
M6PFDA	1.40	1.36	97.6	25 - 150	
M7PFUdA	1.40	1.38	98.5	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.40	1.14	81.6	25 - 150	
M2PFTeDA	1.40	0.764	54.7	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.2	4.92	44.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.68	2.82	105	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.59	6.73	120	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.80	2.49	89.2	10 - 150	
d3-N-MeFOSAA	5.59	5.63	101	25 - 150	
d5-N-EtFOSAA	5.59	5.35	95.7	25 - 150	
M2-6:2 FTS	5.32	3.92	73.8	25 - 200	
M2-8:2 FTS	5.37	5.38	100	25 - 200	
M9PFNA	1.40	1.84	132	25 - 150	
M2-4:2 FTS	5.24	3.70	70.5	25 - 150	
d-N-MeFOSA	2.80	1.78	63.7	25 - 150	
d-N-EtFOSA	2.80	1.63	58.3	25 - 150	
M3HFPO-DA	11.2	14.9	133	25 - 150	
d9-N-EtFOSE	28.0	15.3	54.8	25 - 150	
d7-N-MeFOSE	28.0	18.3	65.4	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	20934.55	1.271367	40847.03	1.31725	
MPFDA	9611.645	8.9794	15913.37	8.970134	
MPFHxA	27966.46	6.317234	52896.22	6.307983	
MPFHxS	3267.928	7.288317	5916.218	7.279067	
MPFNA	14876.5	8.47895	27519.15	8.469684	
MPFOA	37110.53	7.894516	65715.44	7.87595	
MPFOS	8845.797	8.514633	15605.02	8.505067	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	5336.779	8.478534	7105.792	8.469267	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	31580.19	7.894134	49984.22	7.875566	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	100829.2	4.718	169935.2	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	46594.46	1.269067	206145	1.314967	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	10799.85	9.791866	15382.71	9.791866	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-29-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-05	File ID:	QQQ41089.d
Sampled:	06/20/24 11:55	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 01:33
Solids:	87.85	Preparation:	EPA 1633 Prep	Initial/Final:	5.09 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4426.265	8.51405	7439.233	8.50445	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8585.272	9.499766	13592.32	9.472	
M7PFUdA-EIS	15769.84	9.40395	25931	9.3947	
M6PFDA-EIS	14106.66	8.978967	21310.78	8.9697	
M5PFHxA-EIS	51238.22	6.316367	86076.66	6.3071	
M4PFHpA-EIS	14332.13	7.188483	21866.56	7.169983	
M3PFHxS-EIS	12024.77	7.298483	18267.05	7.27955	
M3PFBS-EIS	17155.06	5.501167	26151.41	5.491933	
M3-HFPO-DA-EIS	40622.93	6.6243	62694.32	6.61505	
M2PFTeDA-EIS	2689.027	10.40523	6515.831	10.40523	
M2-8-2FTS-EIS	31535.85	8.939917	57003.89	8.930634	
M2-6-2FTS-EIS	14749.12	7.8284	26318.5	7.809834	
M2-4-2FTS-EIS	15635.56	6.241117	23177.1	6.231867	
d9-NEtFOSE-EIS	1622.704	10.482	4103.893	10.46358	
d7-NMeFOSE-EIS	4843.06	10.24358	11625.34	10.22515	
d5-NEtFOSA-EIS	289.9808	10.51218	603.7692	10.50298	
d5-N-EtFOSAA-EIS	15375.71	9.393517	23662.03	9.38425	
d3-NMeFOSA-EIS	644.3258	10.26555	1195.25	10.25635	
d3-N-MeFOSAA-EIS	19265.66	9.171083	27253.86	9.161817	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-905-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-06	File ID:	QQQ41092.d
Sampled:	06/20/24 12:00	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 02:21
Solids:	86.44	Preparation:	EPA 1633 Prep	Initial/Final:	5.01 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.204	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.231	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.231	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.211	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.231	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.306	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.231	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.231	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.231	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.231	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.231	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.231	U
2355-31-9	N-MeFOSAA	1	0.231	U
2991-50-6	N-EtFOSAA	1	0.231	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.462	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.231	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.231	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.223	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.877	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.887	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.924	~~U~~ R
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.411	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.462	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.462	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.462	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.217	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.866	U
13252-13-6	HFPO-DA (Gen-X)	1	0.924	U
763051-92-9	11CL-PF3OUdS	1	0.873	U
756426-58-1	9CL-PF3ONS	1	0.864	U
919005-14-4	ADONA	1	0.873	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.224	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.222	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.15	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.77	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.77	U
24448-09-7	N-MeFOSE	1	2.31	U
31506-32-8	N-MeFOSA	1	0.231	U
1691-99-2	N-EtFOSE	1	2.31	U
4151-50-2	N-EtFOSA	1	0.231	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-905-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-06	File ID:	QQQ41092.d
Sampled:	06/20/24 12:00	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 02:21
Solids:	86.44	Preparation:	EPA 1633 Prep	Initial/Final:	5.01 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.69	3.38	126	25 - 150	
M5PFHxA	2.89	3.34	116	25 - 150	
M4PFHpA	2.89	3.31	115	25 - 150	
M3PFHxS	2.74	3.32	121	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.89	3.23	112	25 - 150	
M6PFDA	1.44	1.35	93.4	25 - 150	
M7PFUdA	1.44	1.34	92.7	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.44	1.08	75.1	25 - 150	
M2PFTeDA	1.44	0.858	59.5	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.5	0.888	7.69	25 - 150	✓R
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.77	3.16	114	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.77	6.76	117	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.89	2.45	84.9	10 - 150	
d3-N-MeFOSAA	5.77	5.69	98.6	25 - 150	
d5-N-EtFOSAA	5.77	5.31	91.9	25 - 150	
M2-6:2 FTS	5.49	4.19	76.3	25 - 200	
M2-8:2 FTS	5.54	5.72	103	25 - 200	
M9PFNA	1.44	1.58	109	25 - 150	
M2-4:2 FTS	5.41	3.81	70.4	25 - 150	
d-N-MeFOSA	2.89	1.83	63.5	25 - 150	
d-N-EtFOSA	2.89	1.74	60.2	25 - 150	
M3HFPO-DA	11.5	14.1	122	25 - 150	
d9-N-EtFOSE	28.9	17.3	59.9	25 - 150	
d7-N-MeFOSE	28.9	20.7	71.8	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	21034.84	1.271367	40847.03	1.31725	
MPFDA	10096.54	8.988667	15913.37	8.970134	
MPFHxA	28603.39	6.33575	52896.22	6.307983	
MPFHxS	3284.19	7.307317	5916.218	7.279067	
MPFNA	16775.52	8.497483	27519.15	8.469684	
MPFOA	41095.88	7.9038	65715.44	7.87595	
MPFOS	9009.582	8.533167	15605.02	8.505067	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4992.043	8.49705	7105.792	8.469267	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	33034.54	7.903417	49984.22	7.875566	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	100307.4	4.718	169935.2	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	8193.609	1.269067	206145	1.314967	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	10436.3	9.810317	15382.71	9.791866	

WM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-BS-905-4-5-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-06	File ID:	QQQ41092.d
Sampled:	06/20/24 12:00	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 02:21
Solids:	86.44	Preparation:	EPA 1633 Prep	Initial/Final:	5.01 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4895.816	8.532583	7439.233	8.50445	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	8315.795	9.509017	13592.32	9.472	
M7PFUdA-EIS	15589.13	9.4132	25931	9.3947	
M6PFDA-EIS	14175.15	8.988216	21310.78	8.9697	
M5PFHxA-EIS	52915.08	6.325617	86076.66	6.3071	
M4PFHpA-EIS	13691.51	7.197733	21866.56	7.169983	
M3PFHxS-EIS	11552.53	7.30775	18267.05	7.27955	
M3PFBS-EIS	17097.22	5.501167	26151.41	5.491933	
M3-HFPO-DA-EIS	38023.49	6.63355	62694.32	6.61505	
M2PFTeDA-EIS	3073.373	10.42365	6515.831	10.40523	
M2-8-2FTS-EIS	32659.19	8.9492	57003.89	8.930634	
M2-6-2FTS-EIS	15322.49	7.837683	26318.5	7.809834	
M2-4-2FTS-EIS	15623.56	6.259634	23177.1	6.231867	
d9-NEtFOSE-EIS	1813.401	10.4912	4103.893	10.46358	
d7-NMeFOSE-EIS	5410.158	10.25278	11625.34	10.22515	
d5-NEtFOSA-EIS	310.0933	10.52998	603.7692	10.50298	
d5-N-EtFOSAA-EIS	15041.63	9.402766	23662.03	9.38425	
d3-NMeFOSA-EIS	643.8701	10.27477	1195.25	10.25635	
d3-N-MeFOSAA-EIS	19204.59	9.18035	27253.86	9.161817	

* Values outside of QC limits

MM 8/15/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

828109-AQW-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1460-07RE1	File ID:	QQQ41291.d
Sampled:	06/20/24 13:30	Prepared:	06/29/24 14:30	Analyzed:	07/08/24 16:05
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	50 mL / 5 mL
Batch:	BG40157	Sequence: S4G0853	Calibration:	SF40019	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	10	177	U
307-24-4	Perfluorohexanoic acid (PFHxA)	10	200	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	10	200	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	10	183	U
335-67-1	Perfluorooctanoic acid (PFOA)	10	200	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	10	186	U
375-95-1	Perfluorononanoic acid (PFNA)	10	200	U
335-76-2	Perfluorodecanoic acid (PFDA)	10	200	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	10	200	U
307-55-1	Perfluorododecanoic acid (PFDoA)	10	200	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	10	200	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	10	200	U
2355-31-9	N-MeFOSAA	10	200	U
2991-50-6	N-EtFOSAA	10	200	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	10	400	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	10	200	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	10	191	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	10	193	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	10	760	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	10	768	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10	800	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10	356	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	10	400	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	10	400	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	10	400	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	10	188	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	10	750	U
13252-13-6	HFPO-DA (Gen-X)	10	800	U
763051-92-9	11CL-PF3OUdS	10	756	U
756426-58-1	9CL-PF3ONS	10	748	U
919005-14-4	ADONA	10	756	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	10	194	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	10	192	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	10	500	~~U~~ UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	10	2500	~~U~~ UJ
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	10	2500	~~U~~ UJ
24448-09-7	N-MeFOSE	10	2000	U
31506-32-8	N-MeFOSA	10	200	U
1691-99-2	N-EtFOSE	10	2000	U
4151-50-2	N-EtFOSA	10	200	U

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828109-AQW-062024

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Water	Laboratory ID:	24F1460-07RE1	File ID:	QQQ41291.d
Sampled:	06/20/24 13:30	Prepared:	06/29/24 14:30	Analyzed:	07/08/24 16:05
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	50 mL / 5 mL
Batch:	BG40157	Sequence:	S4G0853	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	10		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	10		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	10		U

SYSTEM MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	233	292	125	25 - 150	
M5PFHxA	250	289	116	25 - 150	
M4PFHpA	250	254	102	25 - 150	
M3PFHxS	237	324	137	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	250	346	139	25 - 150	
M6PFDA	125	158	126	25 - 150	
M7PFUdA	125	107	85.6	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	125	147	117	25 - 150	
M2PFTeDA	125	152	121	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	1000	291	29.1	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	240	362	151	25 - 150	* ND
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	500	560	112	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	250	244	97.8	10 - 150	
d3-N-MeFOSAA	500	529	106	25 - 150	
d5-N-EtFOSAA	500	246	49.1	25 - 150	
M2-6:2 FTS	476	283	59.6	25 - 200	
M2-8:2 FTS	480	660	138	25 - 200	
M9PFNA	125	148	118	25 - 150	
M2-4:2 FTS	469	260	55.4	25 - 150	
d-N-MeFOSA	250	91.0	36.4	25 - 150	
d-N-EtFOSA	250	128	51.3	25 - 150	
M3HFPO-DA	1000	437	43.7	25 - 150	
d9-N-EtFOSE	2500	1460	58.3	25 - 150	
d7-N-MeFOSE	2500	1510	60.3	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	26096.52	1.271367	29635.54	1.2989	
MPFDA	9061.867	9.06305	14631.67	9.07235	
MPFHxA	37787.77	6.409833	41353.79	6.3728	
MPFHxS	3869.923	7.409883	4058.607	7.36355	
MPFNA	19462.8	8.6274	22896.48	8.581083	
MPFOA	43187.89	8.02475	49640.18	7.978233	
MPFOS	11250.85	8.65365	11775.19	8.6166	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	628.0372	8.61775	6249.232	8.5807	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	4301.272	8.015117	38330.44	7.977867	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	12690.26	4.764783	127481.5	4.755567	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	3841.821	1.269067	150845.3	1.2966	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	1464.817	9.893383	14945.22	9.884183	

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Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Water	Laboratory ID:	24F1460-07RE1	File ID:	QQQ41291.d
Sampled:	06/20/24 13:30	Prepared:	06/29/24 14:30	Analyzed:	07/08/24 16:05
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	50 mL / 5 mL
Batch:	BG40157	Sequence:	S4G0853	Calibration:	SF40019
Instrument:	LCQQQ				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	809.8418	8.643784	6038.877	8.616016	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	1196.526	9.638534	10952.7	9.583083	
M7PFUdA-EIS	1291.217	9.487233	25764.74	9.505767	
M6PFDA-EIS	1724.097	9.06265	20633.94	9.07195	
M5PFHxA-EIS	7021.953	6.40895	69839.66	6.371933	
M4PFHpA-EIS	1601.152	7.299767	15843.25	7.253267	
M3PFHxS-EIS	1534.992	7.41025	11782.7	7.363934	
M3PFBS-EIS	2010.978	5.557034	16507.68	5.538583	
M3-HFPO-DA-EIS	1806.796	6.726117	39872.25	6.6799	
M2PFTeDA-EIS	566.3356	10.51577	4800.912	10.48817	
M2-8-2FTS-EIS	5115.992	9.042916	42133.02	9.042967	
M2-6-2FTS-EIS	1410.138	7.967834	16327.91	7.91195	
M2-4-2FTS-EIS	1448.669	6.34325	17279.85	6.287717	
d9-NEtFOSE-EIS	204.037	10.56373	3654.116	10.51888	
d7-NMeFOSE-EIS	567.5342	10.32647	9890.007	10.28045	
d5-NEtFOSA-EIS	23.012	10.62203	463.0168	10.55763	
d5-N-EtFOSAA-EIS	1000.615	9.458283	22154.88	9.495334	
d3-NMeFOSA-EIS	46.11512	10.34845	883.3619	10.31165	
d3-N-MeFOSAA-EIS	2572.799	9.2823	25735.11	9.2638	

* Values outside of QC limits

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828109-SOW-062024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24F1460
Client:	CDM Smith			Project:	Speedys Cleaners 247380
Matrix:	Soil	Laboratory ID:	24F1460-08	File ID:	QQQ41093.d
Sampled:	06/20/24 14:30	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 02:38
Solids:	86.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.01 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	0.205	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	0.231	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	0.231	U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.212	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	0.231	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	0.215	U
375-95-1	Perfluorononanoic acid (PFNA)	1	0.231	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	0.231	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	0.231	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	0.231	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	0.231	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	0.231	U
2355-31-9	N-MeFOSAA	1	0.231	U
2991-50-6	N-EtFOSAA	1	0.231	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	0.463	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	0.231	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	0.231	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	0.223	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	0.879	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	0.888	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	0.925	U
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	0.412	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	0.463	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	0.463	U
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	0.463	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.217	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	0.867	U
13252-13-6	HFPO-DA (Gen-X)	1	0.925	U
763051-92-9	11CL-PF3OUdS	1	0.874	U
756426-58-1	9CL-PF3ONS	1	0.865	U
919005-14-4	ADONA	1	0.874	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	0.224	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	0.222	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	1.16	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	5.78	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	5.78	U
24448-09-7	N-MeFOSE	1	2.31	U
31506-32-8	N-MeFOSA	1	0.231	U
1691-99-2	N-EtFOSE	1	2.31	U
4151-50-2	N-EtFOSA	1	0.231	U

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-08	File ID:	QQQ41093.d
Sampled:	06/20/24 14:30	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 02:38
Solids:	86.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.01 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)	1		U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1		U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
M3PFBS	2.69	3.27	122	25 - 150	
M5PFHxA	2.89	3.03	105	25 - 150	
M4PFHpA	2.89	3.30	114	25 - 150	
M3PFHxS	2.74	3.33	122	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.89	3.26	113	25 - 150	
M6PFDA	1.45	1.43	99.2	25 - 150	
M7PFUdA	1.45	1.47	102	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.45	1.29	88.9	25 - 150	
M2PFTeDA	1.45	1.11	76.6	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.6	9.88	85.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.77	2.90	105	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.78	6.52	113	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.89	2.78	96.0	10 - 150	
d3-N-MeFOSAA	5.78	5.77	99.8	25 - 150	
d5-N-EtFOSAA	5.78	5.52	95.4	25 - 150	
M2-6:2 FTS	5.50	3.82	69.4	25 - 200	
M2-8:2 FTS	5.55	5.57	100	25 - 200	
M9PFNA	1.45	1.63	113	25 - 150	
M2-4:2 FTS	5.42	3.48	64.1	25 - 150	
d-N-MeFOSA	2.89	2.06	71.4	25 - 150	
d-N-EtFOSA	2.89	2.57	88.9	25 - 150	
M3HFPO-DA	11.6	13.3	115	25 - 150	
d9-N-EtFOSE	28.9	20.7	71.7	25 - 150	
d7-N-MeFOSE	28.9	23.6	81.8	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	21850.23	1.271367	40847.03	1.31725	
MPFDA	9154.708	8.997933	15913.37	8.970134	
MPFHxA	29663.49	6.33575	52896.22	6.307983	
MPFHxS	3337.175	7.316583	5916.218	7.279067	
MPFNA	16200.14	8.506733	27519.15	8.469684	
MPFOA	38522.44	7.913084	65715.44	7.87595	
MPFOS	8952.252	8.533167	15605.02	8.505067	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	4976.871	8.506317	7105.792	8.469267	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	31261.66	7.9127	49984.22	7.875566	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	100229.5	4.727883	169935.2	4.737117	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	94473.38	1.269067	206145	1.314967	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	11209.63	9.810317	15382.71	9.791866	

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Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24F1460	
Client:	CDM Smith		Project:	Speedys Cleaners 247380	
Matrix:	Soil	Laboratory ID:	24F1460-08	File ID:	QQQ41093.d
Sampled:	06/20/24 14:30	Prepared:	06/28/24 15:57	Analyzed:	07/01/24 02:38
Solids:	86.31	Preparation:	EPA 1633 Prep	Initial/Final:	5.01 g / 5 mL
Batch:	BF42007	Sequence:	S4G0130	Calibration:	SF40019	Instrument:	LCQQQ

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)-EIS	4459.276	8.54185	7439.233	8.50445	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)-EIS	9344.726	9.518267	13592.32	9.472	
M7PFUdA-EIS	15521.69	9.42245	25931	9.3947	
M6PFDA-EIS	13664.1	8.997483	21310.78	8.9697	
M5PFHxA-EIS	49908.6	6.334883	86076.66	6.3071	
M4PFHpA-EIS	14120.27	7.206984	21866.56	7.169983	
M3PFHxS-EIS	11780.1	7.317017	18267.05	7.27955	
M3PFBS-EIS	16791.85	5.510383	26151.41	5.491933	
M3-HFPO-DA-EIS	37258.38	6.642817	62694.32	6.61505	
M2PFTeDA-EIS	3593.781	10.42365	6515.831	10.40523	
M2-8-2FTS-EIS	32272.03	8.95955	57003.89	8.930634	
M2-6-2FTS-EIS	14167.81	7.856233	26318.5	7.809834	
M2-4-2FTS-EIS	14449.8	6.259634	23177.1	6.231867	
d9-NEtFOSE-EIS	2156.299	10.4912	4103.893	10.46358	
d7-NMeFOSE-EIS	6127.106	10.25278	11625.34	10.22515	
d5-NEtFOSA-EIS	382.9294	10.52998	603.7692	10.50298	
d5-N-EtFOSAA-EIS	15511.08	9.412017	23662.03	9.38425	
d3-NMeFOSA-EIS	704.5945	10.28398	1195.25	10.25635	
d3-N-MeFOSAA-EIS	19314.26	9.189616	27253.86	9.161817	

* Values outside of QC limits

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Appendix F

Remedial Investigation Soil and Groundwater Results Statistics Summary

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	µg/kg	-	-	-	-	0/79	0/79	0/79
1,1,1-Trichloroethane	µg/kg	680	500000	-	-	0/79	0/79	0/79
1,1,2,2-Tetrachloroethane	µg/kg	-	-	-	-	0/79	0/79	0/79
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/kg	-	-	-	-	0/79	0/79	0/79
1,1,2-Trichloroethane	µg/kg	-	-	-	-	0/79	0/79	0/79
1,1-Dichloroethane	µg/kg	270	240000	-	-	0/79	0/79	0/79
1,1-Dichloroethene	µg/kg	330	500000	-	-	0/79	0/79	0/79
1,1-Dichloropropene	µg/kg	-	-	-	-	0/79	0/79	0/79
1,2,3-Trichlorobenzene	µg/kg	-	-	-	-	0/79	0/79	0/79
1,2,3-Trichloropropane	µg/kg	-	-	-	-	0/79	0/79	0/79
1,2,4-Trichlorobenzene	µg/kg	-	-	-	-	0/79	0/79	0/79
1,2,4-Trimethylbenzene	µg/kg	3,600	190,000	11,000 - 11,000	BS-19	1/79	1/79	0/79
1,2-Dibromo-3-Chloropropane	µg/kg	-	-	-	-	0/84	0/84	0/84
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	-	-	-	-	0/84	0/84	0/84
1,2-Dichlorobenzene	µg/kg	1100	500000	-		0/84	0/84	0/84
1,2-Dichloroethane	µg/kg	20	30000	-	-	0/84	0/84	0/84
1,2-Dichloropropane	µg/kg	-	-	-	-	0/84	0/84	0/84
1,3,5-Trimethylbenzene (Mesitylene)	µg/kg	8400	190000	-	-	0/79	0/79	0/79
1,3-Dichlorobenzene	µg/kg	2400	280000	-	-	0/84	0/84	0/84
1,3-Dichloropropane	µg/kg	-	-	-	-	0/79	0/79	0/79
1,4-Dichlorobenzene	µg/kg	1800	130000	-	-	0/84	0/84	0/84
1,4-Dioxane (P-Dioxane)	µg/kg	100	130000	-	-	0/79	0/79	0/79
2,2-Dichloropropane	µg/kg	-	-	-	-	0/79	0/79	0/79
2-Chlorotoluene	µg/kg	-	-	-	-	0/79	0/79	0/79
2-Hexanone	µg/kg	-	-	-	-	0/84	0/84	0/84
4-Chlorotoluene	µg/kg	-	-	-	-	0/79	0/79	0/79
Acetone	µg/kg	50	500,000	23 - 110	BS-21	16/84	7/84	0/84
Acrolein	µg/kg	-	-	-	-	0/79	0/79	0/79
Acrylonitrile	µg/kg	-	-	-	-	0/79	0/79	0/79
Benzene	µg/kg	60	44000	-	-	0/84	0/84	0/84
Bromobenzene	µg/kg	-	-	-	-	0/79	0/79	0/79
Bromochloromethane	µg/kg	-	-	-	-	0/79	0/79	0/79
Bromodichloromethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Bromoform	µg/kg	-	-	-	-	0/84	0/84	0/84
Bromomethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Carbon Disulfide	µg/kg	-	-	2.8 J - 5.1 J	BS-22	4/84	0/84	0/84
Carbon Tetrachloride	µg/kg	760	22000	-	-	0/84	0/84	0/84
Chlorobenzene	µg/kg	1,100	500,000	3.5 J - 3.5 J	BS-26	1/84	0/84	0/84

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Chloroethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Chloroform	µg/kg	370	350000	-	-	0/84	0/84	0/84
Chloromethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Cis-1,2-Dichloroethylene	µg/kg	250	500,000	3.4 J - 36	BS-18	6/84	0/84	0/84
Cis-1,3-Dichloropropene	µg/kg	-	-	-	-	0/84	0/84	0/84
Cyclohexane	µg/kg	-	-	2.9 J - 710	BS-19	8/84	0/84	0/84
Cymene	µg/kg	-	-	2.3 J - 2,600	BS-19	8/79	0/79	0/79
Dibromochloromethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Dibromomethane	µg/kg	-	-	-	-	0/79	0/79	0/79
Dichlorodifluoromethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Ethylbenzene	µg/kg	-	-	-	-	0/84	0/84	0/84
Hexachlorobutadiene	µg/kg	-	-	-	-	0/79	0/79	0/79
Isopropylbenzene (Cumene)	µg/kg	-	-	2.6 J - 2,200	BS-19	12/84	0/84	0/84
m,p-Xylene	µg/kg	-	-	-	-	0/79	0/79	0/79
Methyl Acetate	µg/kg	-	-	-	-	0/84	0/84	0/84
Methyl Ethyl Ketone (2-Butanone)	µg/kg	120	500,000	2.7 J - 28 J	BS-19, BS-21	17/84	0/84	0/84
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/kg	-	-	-	-	0/84	0/84	0/84
Methylcyclohexane	µg/kg	-	-	2.8 J - 4,000	BS-19	14/84	0/84	0/84
Methylene Chloride	µg/kg	50	500,000	4.2 J - 4.2 J	BS-11	1/84	0/84	0/84
N-Butylbenzene	µg/kg	12,000	500,000	5.2 - 6,700	BS-19	9/78	0/78	0/78
N-Propylbenzene	µg/kg	3,900	500,000	3.8 - 5,200	BS-19	16/79	1/79	0/79
O-Xylene (1,2-Dimethylbenzene)	µg/kg	-	500,000	-	-	0/79	0/79	0/79
Sec-Butylbenzene	µg/kg	11,000	500,000	9 - 5,800	BS-19	16/79	0/79	0/79
Styrene	µg/kg	-	-	-	-	0/84	0/84	0/84
T-Butylbenzene	µg/kg	5900	500000	-	-	0/79	0/79	0/79
Tert-Butyl Alcohol	µg/kg	-	-	-	-	0/79	0/79	0/79
Tert-Butyl Methyl Ether	µg/kg	930	500000	-	-	0/84	0/84	0/84
Tetrachloroethylene (PCE)	µg/kg	1,300	150,000	2.5 - 870,000	BS-19	23/84	4/84	1/84
Toluene	µg/kg	700	500000	-	-	0/84	0/84	0/84
Trans-1,2-Dichloroethene	µg/kg	190	500,000	3.7 J - 4.8 J	BS-18	2/84	0/84	0/84
Trans-1,3-Dichloropropene	µg/kg	-	-	-	-	0/84	0/84	0/84
Trichloroethylene (TCE)	µg/kg	470	200000	3.7 J - 42	BS-19	8/84	0/84	0/84
Trichlorofluoromethane	µg/kg	-	-	-	-	0/84	0/84	0/84
Vinyl Acetate	µg/kg	-	-	-	-	0/79	0/79	0/79
Vinyl Chloride	µg/kg	20	13000	-	-	0/84	0/84	0/84
Xylenes	µg/kg	260	500000	-	-	0/84	0/84	0/84

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Semi-Volatile Organic Compounds (SVOCs)								
1,4-Dioxane (P-Dioxane)	µg/kg	100	130000	-	-	0/5	0/5	0/5
2,4,5-Trichlorophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
2,4,6-Trichlorophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
2,4-Dichlorophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
2,4-Dimethylphenol	µg/kg	-	-	-	-	0/2	0/2	0/2
2,4-Dinitrophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
2,4-Dinitrotoluene	µg/kg	-	-	-	-	0/2	0/2	0/2
2,6-Dinitrotoluene	µg/kg	-	-	-	-	0/2	0/2	0/2
2-Chloronaphthalene	µg/kg	-	-	-	-	0/2	0/2	0/2
2-Chlorophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
2-Methylnaphthalene	µg/kg	-	-	-	-	0/2	0/2	0/2
2-Methylphenol (O-Cresol)	µg/kg	330	500000	-	-	0/2	0/2	0/2
2-Nitroaniline	µg/kg	-	-	-	-	0/2	0/2	0/2
2-Nitrophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
3,3'-Dichlorobenzidine	µg/kg	-	-	-	-	0/2	0/2	0/2
3-Nitroaniline	µg/kg	-	-	-	-	0/2	0/2	0/2
4,6-Dinitro-2-Methylphenol	µg/kg	-	-	-	-	0/2	0/2	0/2
4-Bromophenyl Phenyl Ether	µg/kg	-	-	-	-	0/2	0/2	0/2
4-Chloro-3-Methylphenol	µg/kg	-	-	-	-	0/2	0/2	0/2
4-Chloroaniline	µg/kg	-	-	-	-	0/2	0/2	0/2
4-Chlorophenyl Phenyl Ether	µg/kg	-	-	-	-	0/2	0/2	0/2
4-Methylphenol (P-Cresol)	µg/kg	330	500000	-	-	0/2	0/2	0/2
4-Nitroaniline	µg/kg	-	-	-	-	0/2	0/2	0/2
4-Nitrophenol	µg/kg	-	-	-	-	0/2	0/2	0/2
Acenaphthene	µg/kg	20000	500000	-	-	0/2	0/2	0/2
Acenaphthylene	µg/kg	100,000	500,000	380 J - 380 J	BS-11	1/2	0/2	0/2
Acetophenone	µg/kg	-	500,000	-	-	0/2	0/2	0/2
Anthracene	µg/kg	100,000	500,000	510 J - 510 J	BS-11	1/2	0/2	0/2
Atrazine	µg/kg	-	-	-	-	0/2	0/2	0/2
Benzaldehyde	µg/kg	-	-	-	-	0/2	0/2	0/2
Benzo(a)Anthracene	µg/kg	1,000	5,600	590 J - 2,500	BS-11	2/2	1/2	0/2
Benzo(a)Pyrene	µg/kg	1,000	1,000	750 J - 2,400 J	BS-11	2/2	1/2	1/2
Benzo(b)Fluoranthene	µg/kg	1,000	5,600	1100 - 3,700	BS-11	2/2	2/2	0/2
Benzo(G,H,I)Perylene	µg/kg	100,000	500,000	630 J - 1,400	BS-11	2/2	0/2	0/2
Benzo(k)Fluoranthene	µg/kg	800	56,000	350 J - 1,400	BS-11	2/2	1/2	0/2
Benzyl Butyl Phthalate	µg/kg	-	-	-	-	0/2	0/2	0/2
Biphenyl (Diphenyl)	µg/kg	-	-	-	-	0/2	0/2	0/2
Bis(2-Chloroethoxy) Methane	µg/kg	-	-	-	-	0/2	0/2	0/2

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	µg/kg	-	-	-	-	0/2	0/2	0/2
Bis(2-Chloroisopropyl) Ether	µg/kg	-	-	-	-	0/2	0/2	0/2
Bis(2-Ethylhexyl) Phthalate	µg/kg	-	-	-	-	0/2	0/2	0/2
Caprolactam	µg/kg	-	-	-	-	0/2	0/2	0/2
Carbazole	µg/kg	-	-	270 J - 270 J	BS-11	1/2	0/2	0/2
Chrysene	µg/kg	1,000	56,000	740 J - 2,700 J	BS-11	2/2	1/2	0/2
Dibenz(a,h)Anthracene	µg/kg	330	560	510 J - 510 J	BS-11	1/2	1/2	0/2
Dibenzofuran	µg/kg	7000	350000	-	-	0/2	0/2	0/2
Diethyl Phthalate	µg/kg	-	-	-	-	0/2	0/2	0/2
Dimethyl Phthalate	µg/kg	-	-	-	-	0/2	0/2	0/2
Di-N-Butyl Phthalate	µg/kg	-	-	-	-	0/2	0/2	0/2
Di-N-Octylphthalate	µg/kg	-	-	-	-	0/2	0/2	0/2
Fluoranthene	µg/kg	100,000	500,000	1,400 J - 5,900 J	BS-11	2/2	0/2	0/2
Fluorene	µg/kg	30,000	500,000	150 J - 260 J	BS-11	2/2	0/2	0/2
Hexachlorobenzene	µg/kg	330	6000	-	-	0/2	0/2	0/2
Hexachlorobutadiene	µg/kg	-	-	-	-	0/2	0/2	0/2
Hexachlorocyclopentadiene	µg/kg	-	-	-	-	0/2	0/2	0/2
Hexachloroethane	µg/kg	-	-	-	-	0/2	0/2	0/2
Indeno(1,2,3-c,d)Pyrene	µg/kg	500	5,600	570 J - 1,400	BS-11	2/2	2/2	0/2
Isophorone	µg/kg	-	-	-	-	0/2	0/2	0/2
Naphthalene	µg/kg	12000	500000	-	-	0/2	0/2	0/2
Nitrobenzene	µg/kg	-	-	-	-	0/2	0/2	0/2
N-Nitrosodi-N-Propylamine	µg/kg	-	-	-	-	0/2	0/2	0/2
N-Nitrosodiphenylamine	µg/kg	-	-	-	-	0/2	0/2	0/2
Pentachlorophenol	µg/kg	800	6700	-	-	0/2	0/2	0/2
Phenanthrene	µg/kg	100,000	500,000	720 JT - 2,800	BS-11	2/2	0/2	0/2
Phenol	µg/kg	100,000	500,000	-	-	0/2	0/2	0/2
Pyrene	µg/kg	100,000	500,000	1,100 T - 4,200	BS-11	2/2	0/2	0/2
Pesticides								
Alpha BHC (Alpha Hexachlorocyclohexane)	µg/kg	20	3400	-	-	0/2	0/2	0/2
Alpha Endosulfan	µg/kg	2400	200000	-	-	0/2	0/2	0/2
Beta BHC (Beta Hexachlorocyclohexane)	µg/kg	36	3000	-	-	0/2	0/2	0/2
Beta Endosulfan	µg/kg	2400	200000	-	-	0/2	0/2	0/2

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
cis-Chlordane	µg/kg	94	24,000	3.4 J - 14 J	BS-11	2/2	0/2	0/2
Delta BHC (Delta Hexachlorocyclohexane)	µg/kg	40	500000	-	-	0/2	0/2	0/2
Dieldrin	µg/kg	5	1400	-	-	0/2	0/2	0/2
Endosulfan Sulfate	µg/kg	2400	200000	-	-	0/2	0/2	0/2
Endrin	µg/kg	14	89000	-	-	0/2	0/2	0/2
Endrin Aldehyde	µg/kg	-	-	-	-	0/2	0/2	0/2
Endrin Ketone	µg/kg	-	-	-	-	0/2	0/2	0/2
Gamma Bhc (Lindane)	µg/kg	100	9200	-	-	0/2	0/2	0/2
Heptachlor	µg/kg	42	15000	-	-	0/2	0/2	0/2
Heptachlor Epoxide	µg/kg	-	-	-	-	0/2	0/2	0/2
Methoxychlor	µg/kg	-	-	1.7 J - 1.7 J	BS-11	1/2	0/2	0/2
P,P'-DDD	µg/kg	-	-	-	-	0/2	0/2	0/2
P,P'-DDE	µg/kg	-	-	-	-	0/2	0/2	0/2
P,P'-DDT	µg/kg	-	-	-	-	0/2	0/2	0/2
Toxaphene	µg/kg	-	-	-	-	0/2	0/2	0/2
trans-Chlordane	µg/kg	-	-	2.8 J - 11 J	BS-11	2/2	0/2	0/2
Polychlorinated Biphenyls								
PCB-1016 (Aroclor 1016)	µg/kg	-	-	-	-	0/2	0/2	0/2
PCB-1221 (Aroclor 1221)	µg/kg	-	-	-	-	0/2	0/2	0/2
PCB-1232 (Aroclor 1232)	µg/kg	-	-	-	-	0/2	0/2	0/2
PCB-1242 (Aroclor 1242)	µg/kg	-	-	-	-	0/2	0/2	0/2
PCB-1248 (Aroclor 1248)	µg/kg	-	-	-	-	0/2	0/2	0/2
PCB-1254 (Aroclor 1254)	µg/kg	-	-	-	-	0/2	0/2	0/2
PCB-1260 (Aroclor 1260)	µg/kg	-	-	-	-	0/2	0/2	0/2
Per- and Polyfluoroalkyl Substances (PFAS)								
1H,1H, 2H, 2H-Perfluorohexane sulfonic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	µg/kg	-	-	-	-	0/21	0/21	0/21
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	µg/kg	-	-	-	-	0/21	0/21	0/21
2-(N-methyl perfluorooctanesulfonamido) acetic Acid	µg/kg	-	-	-	-	0/23	0/23	0/23
2H,2H,3H,3H-Perfluorooctanoic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
3-Perfluoroheptyl propanoic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
3-Perfluoropropyl propanoic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	µg/kg	-	-	-	-	0/21	0/21	0/21
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
Hexafluoropropylene oxide dimer Acid (HFPO-DA)	µg/kg	-	-	-	-	0/21	0/21	0/21
N-ethyl perfluoro-1-octanesulfonamide	µg/kg	-	-	-	-	0/21	0/21	0/21
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	µg/kg	-	-	-	-	0/23	0/23	0/23
N-methyl perfluoro-1-octanesulfonamide	µg/kg	-	-	-	-	0/21	0/21	0/21
Nonafluoro-3,6-dioxaheptanoic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Perfluoro(2-ethoxyethane)sulfonic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
Perfluoro-3-methoxypropanoic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
Perfluoro-4-methoxybutanoic Acid	µg/kg	-	-	-	-	0/21	0/21	0/21
Perfluorobutanesulfonic Acid	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorobutyric acid (PFBA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorodecane Sulfonic Acid	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorodecanoic Acid (PFDA)	µg/kg	-	-	0.432 - 0.432	BS-31	1/23	0/23	0/23
Perfluorododecane sulfonate (PFDoDS)	µg/kg	-	-	-	-	0/21	0/21	0/21
Perfluorododecanoic Acid (PFDoA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluoroheptane Sulfonate (PFHpS)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluoroheptanoic Acid (PFHpA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorohexanesulfonic Acid	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorohexanoic Acid (PFHxA)	µg/kg	-	-	0.0568 J - 0.0929 J	BS-31	4/23	0/23	0/23
Perfluorononanesulfonic Acid (PFNS)	µg/kg	-	-	-	-	0/21	0/21	0/21
Perfluorononanoic Acid	µg/kg	-	-	0.684 - 0.684	BS-24	1/23	0/23	0/23
Perfluorooctane Sulfonamide (FOSA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorooctane sulfonic Acid (PFOS)	µg/kg	0.88	440	0.207 - 2.08	BS-20	11/23	6/23	0/23
Perfluorooctanoic Acid (PFOA)	µg/kg	0.66	500	-	-	0/23	0/23	0/23
Perfluoropentanesulfonic Acid (PFPES)	µg/kg	-	-	-	-	0/21	0/21	0/21
Perfluoropentanoic Acid (PFPeA)	µg/kg	-	-	0.141 J - 0.141 J	BS-31	1/23	0/23	0/23
Perfluorotetradecanoic Acid (PFTeA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluorotridecanoic Acid (PFTriA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Perfluoroundecanoic Acid (PFUnA)	µg/kg	-	-	-	-	0/23	0/23	0/23
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	µg/kg	-	-	-	-	0/23	0/23	0/23
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	µg/kg	-	-	-	-	0/23	0/23	0/23
Inorganics								
Aluminum	mg/kg	-	-	9,640 JH - 10,300 JH	BS-11	2/2	0/2	0/2
Antimony	mg/kg	-	-	-	-	0/2	0/2	0/2
Arsenic	mg/kg	13	16	4.3 - 4.6	BS-11	2/2	0/2	0/2
Barium	mg/kg	350	400	47.1 - 48.8 JH	BS-11	2/2	0/2	0/2
Beryllium	mg/kg	7	590	0.37 J - 0.40 J	BS-11	2/2	0/2	0/2
Cadmium	mg/kg	3	9	0.15 J - 0.223 J	BS-11	2/2	0/2	0/2
Calcium	mg/kg	-	-	10,500 - 29,100 T	BS-11	2/2	0/2	0/2
Chromium	mg/kg	-	-	11.8 - 14.8 J	BS-11	2/2	0/2	0/2
Cobalt	mg/kg	-	-	6.2 - 7.1	BS-11	2/2	0/2	0/2
Copper	mg/kg	50	270	13.8 J - 28 J	BS-11	2/2	0/2	0/2
Iron	mg/kg	-	-	14,500 - 15,400 JH	BS-11	2/2	0/2	0/2
Lead	mg/kg	63	1,000	14.5 - 23.1 T	BS-11	2/2	0/2	0/2
Magnesium	mg/kg	-	-	7,240 JH - 13,100 T	BS-11	2/2	0/2	0/2

Table F-1
Statistics - All Soil Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Manganese	mg/kg	1,600	10,000	393 JH - 793 JH	BS-11	2/2	0/2	0/2
Nickel	mg/kg	30	310	13.1 J - 14.6	BS-11	2/2	0/2	0/2
Potassium	mg/kg	-	-	1,580 JH - 1,930 JH	BS-11	2/2	0/2	0/2
Selenium	mg/kg	4	1,500	0.61 J - 0.99 J	BS-11	2/2	0/2	0/2
Silver	mg/kg	2	1,500	-	-	0/2	0/2	0/2
Sodium	mg/kg	-	-	161 J - 161 J	BS-11	2/2	0/2	0/2
Thallium	mg/kg	-	-	-	-	0/2	0/2	0/2
Vanadium	mg/kg	-	-	19.1 J - 20 J	BS-11	2/2	0/2	0/2
Zinc	mg/kg	109	10,000	48.5 J - 76.3 J	BS-11	2/2	0/2	0/2

Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use and Commercial Use Soil Cleanup Objectives (SCOs) are the Standards, criteria, and guidance (SCG) values listed in this table. NYSDEC SCOs are listed in 6 New York Codes, Rules and Regulations (NYCRR) Part 375 (Environmental Remediation Programs) Subpart 375-6 (NYSDEC 2006).
2. NYSDEC Unrestricted Use and Commercial Use SCOs for PFAS are listed in the NYSDEC Sampling, Analysis, and Assessment of PFAS guidance document (April 2023).
3. NYSDEC Unrestricted Use and Protection of Groundwater SCOs are equivalent for VOCs. NYSDEC Unrestricted Use SCOs are used for PFAS because they are more stringent than the corresponding Protection of Groundwater SCOs. NYSDEC Unrestricted Use SCOs are used for SVOCs because they are equivalent to or more stringent than the corresponding Protection of Groundwater SCOs.
4. Total number of samples includes duplicates.
5. Data presented on this table were collected during the remedial investigation (June 2021 through June 2024).

Acronyms:

µg/kg - microgram per kilogram
mg/kg - milligram per kilogram

Qualifiers:

J - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
JH - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. The result is biased high.
JT - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. However, the matrix spike
T - Matrix spike and/or matrix spike duplicate exceeds control limits

Table F-2
Statistics - All Groundwater Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	SCG [1]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above SCG / Total Samples
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	µg/L	5	-	-	0/24	0/24
1,1,2,2-Tetrachloroethane	µg/L	5	-	-	0/24	0/24
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	5	-	-	0/24	0/24
1,1,2-Trichloroethane	µg/L	1	-	-	0/24	0/24
1,1-Dichloroethane	µg/L	5	-	-	0/24	0/24
1,1-Dichloroethene	µg/L	5	-	-	0/24	0/24
1,2,4-Trichlorobenzene	µg/L	5	-	-	0/24	0/24
1,2,4-Trimethylbenzene	µg/L	5	-	-	0/24	0/24
1,2-Dibromo-3-Chloropropane	µg/L	0.04	-	-	0/24	0/24
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	0.0006	-	-	0/24	0/24
1,2-Dichlorobenzene	µg/L	3	-	-	0/24	0/24
1,2-Dichloroethane	µg/L	0.6	-	-	0/24	0/24
1,2-Dichloropropane	µg/L	1	-	-	0/24	0/24
1,3,5-Trimethylbenzene (Mesitylene)	µg/L	5	-	-	0/15	0/15
1,3-Dichlorobenzene	µg/L	3	-	-	0/24	0/24
1,4-Dichlorobenzene	µg/L	3	-	-	0/24	0/24
2-Hexanone	µg/L	50	-	-	0/24	0/24
Acetone	µg/L	50	3.3 J - 6.8 J	MW-11	5/24	0/24
Benzene	µg/L	1	0.64 J - 0.64 J	GWS-5	1/24	0/24
Bromodichloromethane	µg/L	50	-	-	0/24	0/24
Bromoform	µg/L	50	-	-	0/24	0/24
Bromomethane	µg/L	5	-	-	0/24	0/24
Carbon Disulfide	µg/L	60	0.21 J - 0.28 J	GWS-8	3/24	0/24
Carbon Tetrachloride	µg/L	5	-	-	0/24	0/24
Chlorobenzene	µg/L	5	-	-	0/24	0/24
Chloroethane	µg/L	5	-	-	0/24	0/24
Chloroform	µg/L	7	0.56 J - 0.56 J	MW-9	1/24	0/24
Chloromethane	µg/L	5	-	-	0/24	0/24
Cis-1,2-Dichloroethylene	µg/L	5	2.3 - 680	MW-5	11/24	9/24
Cis-1,3-Dichloropropene	µg/L	0.4	-	-	0/24	0/24
Cyclohexane	µg/L	-	0.23 J - 0.71 J	MW-3	4/24	0/24
Cymene	µg/L	5	-	-	0/15	0/15
Dibromochloromethane	µg/L	50	-	-	0/24	0/24
Dichlorodifluoromethane	µg/L	5	-	-	0/24	0/24
Ethylbenzene	µg/L	5	-	-	0/24	0/24
Isopropylbenzene (Cumene)	µg/L	5	-	-	0/24	0/24
m,p-Xylene	µg/L	5	-	-	0/15	0/15
Methyl Acetate	µg/L	-	-	-	0/24	0/24
Methyl Ethyl Ketone (2-Butanone)	µg/L	50	1.5 J - 1.5 J	MW-11	1/24	0/24
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/L	-	-	-	0/24	0/24
Methylcyclohexane	µg/L	-	0.25 J - 0.98 J	MW-6	5/24	0/24
Methylene Chloride	µg/L	5	-	-	0/24	0/24
Naphthalene	µg/L	10	1.3 J - 1.3 J	MW-3	1/15	0/15
N-Butylbenzene	µg/L	5	-	-	0/15	0/15
N-Propylbenzene	µg/L	5	-	-	0/15	0/15
O-Xylene (1,2-Dimethylbenzene)	µg/L	5	-	-	0/15	0/15
Sec-Butylbenzene	µg/L	5	-	-	0/15	0/15
Styrene	µg/L	5	-	-	0/24	0/24
T-Butylbenzene	µg/L	5	-	-	0/15	0/15
Tert-Butyl Methyl Ether	µg/L	10	-	-	0/24	0/24
Tetrachloroethylene (PCE)	µg/L	5	0.72 J - 1,900	MW-5	12/24	7/24
Toluene	µg/L	5	0.6 J - 1.2	GWS-5	2/24	0/24
Trans-1,2-Dichloroethene	µg/L	5	-	-	0/24	0/24
Trans-1,3-Dichloropropene	µg/L	0.4	-	-	0/24	0/24
Trichloroethylene (TCE)	µg/L	5	1.7 - 95	MW-5	7/24	6/24
Trichlorofluoromethane	µg/L	5	-	-	0/24	0/24

Table F-2
Statistics - All Groundwater Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	SCG [1]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above SCG / Total Samples
Vinyl Chloride	µg/L	2	16 - 86	MW-3	5/24	5/24
Xylenes	µg/L	5	-	-	0/24	0/24
Semi-Volatile Organic Compounds (SVOCs)						
1,4-Dioxane	µg/L	0.35	2.9 - 2.9	MW-2B	1/9	1/9
2,4,5-Trichlorophenol	µg/L	-	-	-	0/3	0/3
2,4,6-Trichlorophenol	µg/L	-	-	-	0/3	0/3
2,4-Dichlorophenol	µg/L	5	-	-	0/3	0/3
2,4-Dimethylphenol	µg/L	50	-	-	0/3	0/3
2,4-Dinitrophenol	µg/L	10	-	-	0/3	0/3
2,4-Dinitrotoluene	µg/L	5	-	-	0/3	0/3
2,6-Dinitrotoluene	µg/L	5	-	-	0/3	0/3
2-Chloronaphthalene	µg/L	10	-	-	0/3	0/3
2-Chlorophenol	µg/L	-	-	-	0/3	0/3
2-Methylnaphthalene	µg/L	-	-	-	0/3	0/3
2-Methylphenol (O-Cresol)	µg/L	-	-	-	0/3	0/3
2-Nitroaniline	µg/L	5	-	-	0/3	0/3
2-Nitrophenol	µg/L	-	-	-	0/3	0/3
3,3'-Dichlorobenzidine	µg/L	5	-	-	0/3	0/3
3-Nitroaniline	µg/L	5	-	-	0/3	0/3
4,6-Dinitro-2-Methylphenol	µg/L	-	-	-	0/3	0/3
4-Bromophenyl Phenyl Ether	µg/L	-	-	-	0/3	0/3
4-Chloro-3-Methylphenol	µg/L	-	-	-	0/3	0/3
4-Chloroaniline	µg/L	5	-	-	0/3	0/3
4-Chlorophenyl Phenyl Ether	µg/L	-	-	-	0/3	0/3
4-Methylphenol (P-Cresol)	µg/L	-	-	-	0/3	0/3
4-Nitroaniline	µg/L	5	-	-	0/3	0/3
4-Nitrophenol	µg/L	-	-	-	0/3	0/3
Acenaphthene	µg/L	20	2.2 J - 2.3 J	MW-6	2/3	0/3
Acenaphthylene	µg/L	-	-	-	0/3	0/3
Acetophenone	µg/L	-	-	-	0/3	0/3
Anthracene	µg/L	50	-	-	0/3	0/3
Atrazine	µg/L	7.5	-	-	0/3	0/3
Benzaldehyde	µg/L	-	-	-	0/3	0/3
Benzo(A)Anthracene	µg/L	0.002	-	-	0/3	0/3
Benzo(A)Pyrene	µg/L	-	-	-	0/3	0/3
Benzo(B)Fluoranthene	µg/L	0.002	-	-	0/3	0/3
Benzo(G,H,I)Perylene	µg/L	-	-	-	0/3	0/3
Benzo(K)Fluoranthene	µg/L	0.002	-	-	0/3	0/3
Benzyl Butyl Phthalate	µg/L	50	-	-	0/3	0/3
Biphenyl (Diphenyl)	µg/L	5	-	-	0/3	0/3
Bis(2-Chloroethoxy) Methane	µg/L	5	-	-	0/3	0/3
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	µg/L	1	-	-	0/3	0/3
Bis(2-Chloroisopropyl) Ether	µg/L	5	-	-	0/3	0/3
Bis(2-Ethylhexyl) Phthalate	µg/L	5	-	-	0/3	0/3
Caprolactam	µg/L	-	-	-	0/3	0/3
Carbazole	µg/L	-	-	-	0/3	0/3
Chrysene	µg/L	0.002	-	-	0/3	0/3
Dibenz(A,H)Anthracene	µg/L	-	-	-	0/3	0/3
Dibenzofuran	µg/L	-	0.71 J - 0.75 J	MW-6	2/3	0/3
Diethyl Phthalate	µg/L	50	-	-	0/3	0/3
Dimethyl Phthalate	µg/L	50	-	-	0/3	0/3
Di-N-Butyl Phthalate	µg/L	50	15 JH - 22 JH	MW-6	3/3	0/3
Di-N-Octylphthalate	µg/L	50	-	-	0/3	0/3
Fluoranthene	µg/L	50	-	-	0/3	0/3
Fluorene	µg/L	50	1.6 J - 1.7 J	MW-6	2/3	0/3
Hexachlorobenzene	µg/L	0.04	-	-	0/3	0/3
Hexachlorobutadiene	µg/L	0.5	-	-	0/3	0/3

Table F-2
Statistics - All Groundwater Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	SCG [1]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above SCG / Total Samples
Hexachlorocyclopentadiene	µg/L	5	-	-	0/3	0/3
Hexachloroethane	µg/L	5	-	-	0/3	0/3
Indeno(1,2,3-C,D)Pyrene	µg/L	0.002	-	-	0/3	0/3
Isophorone	µg/L	50	-	-	0/3	0/3
Naphthalene	µg/L	10	0.96 J - 1.1 J	MW-6	2/3	0/3
Nitrobenzene	µg/L	0.4	-	-	0/3	0/3
N-Nitrosodi-N-Propylamine	µg/L	-	-	-	0/3	0/3
N-Nitrosodiphenylamine	µg/L	50	-	-	0/3	0/3
Pentachlorophenol	µg/L	1	-	-	0/3	0/3
Phenanthrene	µg/L	50	0.56 J - 0.56 J	MW-6	1/3	0/3
Phenol	µg/L	1	-	-	0/3	0/3
Pyrene	µg/L	50	-	-	0/3	0/3
Pesticides						
Aldrin	µg/L	-	0.012 J - 0.019 J	MW-6	2/3	0/3
Alpha BHC	µg/L	0.01	0.021 J - 0.025 J	MW-6	2/3	2/3
Alpha Endosulfan	µg/L	-	-	-	0/3	0/3
Beta BHC (Beta Hexachlorocyclohexane)	µg/L	0.04	-	-	0/3	0/3
Beta Endosulfan	µg/L	-	-	-	0/3	0/3
cis-Chlordane	µg/L	0.05	0.016 J - 0.019 J	MW-6	2/3	0/3
Delta BHC (Delta Hexachlorocyclohexane)	µg/L	0.04	-	-	0/3	0/3
Dieldrin	µg/L	0.004	-	-	0/3	0/3
Endosulfan Sulfate	µg/L	-	-	-	0/3	0/3
Endrin	µg/L	-	-	-	0/3	0/3
Endrin Aldehyde	µg/L	5	-	-	0/3	0/3
Endrin Ketone	µg/L	5	-	-	0/3	0/3
Gamma Bhc (Lindane)	µg/L	0.05	-	-	0/3	0/3
Heptachlor	µg/L	0.04	0.03 J - 0.03 J	MW-6	1/3	0/3
Heptachlor Epoxide	µg/L	0.03	-	-	0/3	0/3
Pesticides						
Methoxychlor	µg/L	35	-	-	0/3	0/3
P,P'-DDD	µg/L	0.3	0.045 J - 0.045 J	MW-6	1/3	0/3
P,P'-DDE	µg/L	0.2	0.014 J - 0.042 J	MW-6	2/3	0/3
P,P'-DDT	µg/L	0.2	-	-	0/3	0/3
Toxaphene	µg/L	0.06	-	-	0/3	0/3
trans-Chlordane	µg/L	0.05	-	-	0/3	0/3
Polychlorinated Biphenyls						
PCB-1016 (Aroclor 1016)	µg/L	0.09	-	-	0/3	0/3
PCB-1221 (Aroclor 1221)	µg/L	0.09	-	-	0/3	0/3
PCB-1232 (Aroclor 1232)	µg/L	0.09	-	-	0/3	0/3
PCB-1242 (Aroclor 1242)	µg/L	0.09	-	-	0/3	0/3
PCB-1248 (Aroclor 1248)	µg/L	0.09	-	-	0/3	0/3
PCB-1254 (Aroclor 1254)	µg/L	0.09	-	-	0/3	0/3
PCB-1260 (Aroclor 1260)	µg/L	0.09	-	-	0/3	0/3
Per- and Polyfluoroalkyl Substances (PFAS)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/L	-	-	-	0/18	0/18
1H,1H, 2H, 2H-Perfluorohexane sulfonic Acid	ng/L	-	-	-	0/18	0/18
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/L	-	-	-	0/18	0/18
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/L	-	-	-	0/18	0/18
2-(N-methyl perfluorooctanesulfonamido) Acetic Acid	ng/L	-	1.2 J - 1.2 J	MW-3	1/22	0/22
2H,2H,3H,3H-Perfluorooctanoic Acid	ng/L	-	-	-	0/18	0/18
3-Perfluoroheptyl propanoic Acid	ng/L	-	-	-	0/18	0/18
3-Perfluoropropyl propanoic Acid	ng/L	-	-	-	0/18	0/18
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	-	-	-	0/18	0/18
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/L	-	-	-	0/18	0/18
Hexafluoropropylene oxide dimer Acid (HFPO-DA)	ng/L	-	-	-	0/18	0/18
N-ethyl perfluoro-1-octanesulfonamide	ng/L	-	-	-	0/18	0/18
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	ng/L	-	-	-	0/22	0/22

Table F-2
Statistics - All Groundwater Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	SCG [1]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above SCG / Total Samples
N-methyl perfluoro-1-octanesulfonamide	ng/L	-	-	-	0/18	0/18
Nonafluoro-3,6-dioxaheptanoic Acid	ng/L	-	-	-	0/18	0/18
Perfluoro(2-ethoxyethane)sulfonic Acid	ng/L	-	-	-	0/18	0/18
Perfluoro-3-methoxypropanoic Acid	ng/L	-	-	-	0/18	0/18
Perfluoro-4-methoxybutanoic Acid	ng/L	-	-	-	0/18	0/18
Perfluorobutanesulfonic Acid	ng/L	-	0.86 J - 24	MW-11	20/22	0/22
Perfluorobutryic Acid (PFBA)	ng/L	-	3.4 J - 160	MW-10	21/22	0/22
Perfluorodecane Sulfonic Acid	ng/L	-	-	-	0/22	0/22
Perfluorodecanoic Acid (PFDA)	ng/L	-	0.37 J - 2.3	MW-9	7/22	0/22
Perfluorododecane sulfonate (PFDoDS)	ng/L	-	-	-	0/18	0/18
Perfluorododecanoic Acid (PFDoA)	ng/L	-	-	-	0/22	0/22
Perfluoroheptane Sulfonate (PFHpS)	ng/L	-	0.44 J - 2.2	MW-3	4/22	0/22
Perfluoroheptanoic Acid (PFHpA)	ng/L	-	1 J - 22	MW-10	17/22	0/22
Perfluorohexanesulfonic Acid	ng/L	-	0.68 J - 11	MW-3	14/22	0/22
Perfluorohexanoic Acid (PFHxA)	ng/L	-	1.9 - 76 J	MW-10	17/22	0/22
Perfluorononanesulfonic Acid (PFNS)	ng/L	-	-	-	0/18	0/18
Perfluorononanoic Acid	ng/L	-	0.82 J - 6.8	MW-3	13/22	0/22
Perfluorooctane Sulfonamide (FOSA)	ng/L	-	-	-	0/22	0/22
Perfluorooctane sulfonic acid (PFOS)	ng/L	2.7	2.1 J - 110	MW-3	17/22	16/22
Perfluorooctanoic acid (PFOA)	ng/L	6.7	1 J - 160 J	MW-10	22/22	13/22
Perfluoropentanesulfonic Acid (PFPES)	ng/L	-	0.45 J - 3.6	MW-10	9/18	0/18
Perfluoropentanoic Acid (PFPeA)	ng/L	-	3.4 - 100	MW-10	16/22	0/22
Perfluorotetradecanoic Acid (PFTeA)	ng/L	-	-	-	0/22	0/22
Perfluorotridecanoic Acid (PFTriA)	ng/L	-	-	-	0/22	0/22
Perfluoroundecanoic Acid (PFUnA)	ng/L	-	-	-	0/22	0/22
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/L	-	-	-	0/22	0/22
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/L	-	-	-	0/22	0/22
Inorganics						
Aluminum	mg/L	-	-	-	0/3	0/3
Antimony	mg/L	0.003	-	-	0/3	0/3
Arsenic	mg/L	0.025	-	-	0/3	0/3
Barium	mg/L	1	0.18 JH - 0.23	MW-6	3/3	0/3
Beryllium	mg/L	0.003	-	-	0/3	0/3
Cadmium	mg/L	0.005	-	-	0/3	0/3
Calcium	mg/L	-	85.9 - 148 JH	MW-6	3/3	0/3
Chromium	mg/L	-	-	-	0/3	0/3
Cobalt	mg/L	-	0.00068 J - 0.00095 J	MW-6	3/3	0/3
Copper	mg/L	-	-	-	0/3	0/3
Ferrous Iron	mg/L	-	0.52 J - 0.52 J	MW-2B	1/9	0/9
Iron	mg/L	0.3	0.031 J - 3.5	MW-6	3/3	2/3
Lead	mg/L	0.025	-	-	0/3	0/3
Magnesium	mg/L	35	23.4 - 44.1	MW-6	3/3	2/3
Manganese	mg/L	0.3	0.51 - 0.61 JH	MW-6	3/3	3/3
Nickel	mg/L	0.1	0.0039 J - 0.0043 J	MW-6	2/3	0/3
Potassium	mg/L	-	3.9 JH - 6 J	MW-6	3/3	0/3
Selenium	mg/L	0.01	-	-	0/3	0/3
Silver	mg/L	0.05	-	-	0/3	0/3
Sodium	mg/L	20	142 - 265	MW-2	3/3	3/3
Thallium	mg/L	0.0005	-	-	0/3	0/3
Vanadium	mg/L	-	-	-	0/3	0/3
Zinc	mg/L	2	-	-	0/3	0/3

Table F-2
Statistics - All Groundwater Results
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Notes:

1. New York State Department of Environmental Conservation (NYSDEC). June 1998. TOGS 1.1.1. Ambient Water Quality Standards (AWQS) and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values. (http://www.dec.ny.gov/docs/water_pdf/togs111.pdf), downloaded November 8, 2017.
2. Total number of samples includes duplicates.
3. Data presented on this table were collected during the remedial investigation (June 2021 through June 2024).

Acronyms:

SCG - standards, criteria, and guidance
mg/L - milligram per liter
ng/L - nanogram per liter

Qualifiers:

J - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
JH - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. The result may be biased high.

Table F-3
Statistics - Soil Exceedances
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	Unrestricted Use SCG [1,2,3]	Commercial Use SCG [1,2]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above Unrestricted Use SCG / Total Samples	Number of Detections above Commercial Use SCG / Total Samples
Volatile Organic Compounds (VOCs)								
1,2,4-Trimethylbenzene	µg/kg	3,600	190,000	11,000 - 11,000	BS-19	1/79	1/79	0/79
Acetone	µg/kg	50	500,000	23 - 110	BS-21	16/84	7/84	0/84
N-Propylbenzene	µg/kg	3,900	500,000	3.8 - 5,200	BS-19	16/79	1/79	0/79
Tetrachloroethylene (PCE)	µg/kg	1,300	150,000	2.5 - 870,000	BS-19	23/84	4/84	1/84
Semi-Volatile Organic Compounds (SVOCs)								
Benzo(a)Anthracene	µg/kg	1,000	5,600	590 J - 2,500	BS-11	2/2	1/2	0/2
Benzo(a)Pyrene	µg/kg	1,000	1,000	750 J - 2,400 J	BS-11	2/2	1/2	1/2
Benzo(b)Fluoranthene	µg/kg	1,000	5,600	1100 - 3,700	BS-11	2/2	2/2	0/2
Benzo(k)Fluoranthene	µg/kg	800	56,000	350 J - 1,400	BS-11	2/2	1/2	0/2
Chrysene	µg/kg	1,000	56,000	740 J - 2,700 J	BS-11	2/2	1/2	0/2
Dibenz(a,h)Anthracene	µg/kg	330	560	510 J - 510 J	BS-11	1/2	1/2	0/2
Indeno(1,2,3-c,d)Pyrene	µg/kg	500	5,600	570 J - 1,400	BS-11	2/2	2/2	0/2
Pesticides								
None Detected Above Standards								
Polychlorinated Biphenyls								
None Detected Above Standards								
Per- and Polyfluoroalkyl Substances (PFAS)								
Perfluorooctane sulfonic acid (PFOS)	µg/kg	0.88	440	0.207 - 2.08	BS-20	11/23	6/23	0/23
Inorganics								
None Detected Above Standards								

Notes:

1. New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use and Commercial Use Soil Cleanup Objectives (SCOs) are the Standards, criteria, and guidance (SCG) values listed in this table. NYSDEC SCOs are listed in 6 New York Codes, Rules and Regulations (NYCRR) Part 375 (Environmental Remediation Programs) Subpart 375-6 (NYSDEC 2006).
2. NYSDEC Unrestricted Use and Commercial Use SCOs for PFAS are listed in the NYSDEC Sampling, Analysis, and Assessment of PFAS guidance document (April 2023).
3. NYSDEC Unrestricted Use and Protection of Groundwater SCOs are equivalent for VOCs. NYSDEC Unrestricted Use SCOs are used for PFAS because they are more stringent than the corresponding Protection of Groundwater SCOs. NYSDEC Unrestricted Use SCOs are used for SVOCs because they are equivalent to or more stringent than the corresponding Protection of Groundwater SCOs.
4. Total number of samples includes duplicates.
5. Data presented on this table were collected during the remedial investigation (June 2021 through June 2024).

Acronyms:

µg/kg - microgram per kilogram

Qualifiers:

J - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

CDM Smith

Table F-4
Statistics - Groundwater Exceedances
Speedy's Cleaners
NYSDEC Site # 828109
Pittsford, NY

Analyte	Unit	SCG [1]	Concentration Range	Location of Maximum Concentration	Number of Detections / Total Samples	Number of Detections above SCG / Total Samples
Volatile Organic Compounds (VOCs)						
Cis-1,2-Dichloroethylene	µg/L	5	2.3 - 680	MW-5	11/24	9/24
Tetrachloroethylene (PCE)	µg/L	5	0.72 J - 1,900	MW-5	12/24	7/24
Trichloroethylene (TCE)	µg/L	5	1.7 - 95	MW-5	7/24	6/24
Vinyl Chloride	µg/L	2	16 - 86	MW-3	5/24	5/24
Semi-Volatile Organic Compounds (SVOCs)						
1,4-Dioxane	µg/L	0.35	2.9 - 2.9	MW-2B	1/9	1/9
Pesticides						
Alpha BHC	µg/L	0.01	0.021 J - 0.025 J	MW-6	2/3	2/3
Polychlorinated Biphenyls						
None Detected Above Standards						
Per- and Polyfluoroalkyl Substances (PFAS)						
Perfluorooctane sulfonic acid (PFOS)	ng/L	2.7	2.1 J - 110	MW-3	17/22	16/22
Perfluorooctanoic acid (PFOA)	ng/L	6.7	1 J - 160 J	MW-10	22/22	13/22
Inorganics						
Iron	mg/L	0.3	0.031 J - 3.5	MW-6	3/3	2/3
Magnesium	mg/L	35	23.4 - 44.1	MW-6	3/3	2/3
Manganese	mg/L	0.3	0.51 - 0.61 JH	MW-6	3/3	3/3
Sodium	mg/L	20	142 - 265	MW-2	3/3	3/3

Notes:

1. New York State Department of Environmental Conservation (NYSDEC). June 1998. TOGS 1.1.1. Ambient Water Quality Standards (AWQS) and Guidance Values and Groundwater Effluent Limitations. Includes April 2000 and June 2004 Addendum values. (http://www.dec.ny.gov/docs/water_pdf/togs111.pdf), downloaded November 8, 2017.
2. Total number of samples includes duplicates.
3. Data presented on this table were collected during the remedial investigation (June 2021 through June 2024).

Acronyms:

SCG - standards, criteria, and guidance
mg/L - milligram per liter
ng/L - nanogram per liter
µg/L - microgram per liter

Qualifiers:

J - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
JH - Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. The result may be biased high.

CDM Smith